

Surgical Operations in Short-Stay Hospitals

United States-1975

Statistics are presented on the number and rate of inpatients with surgery discharged from non-Federal short-stay hospitals and the types of surgical operations performed. The data for this report are based on information abstracted by means of the Hospital Discharge Survey from a national sample of the hospital records of discharged patients. Estimates of the number of patients with surgery and of operations grouped by surgical classes and categories are shown by the demographic characteristics of the operated patients and by geographic region and size of hospital. The number and average length of stay is shown for first-listed operations by age and sex. Some comparisons are made of the 1975 surgical data with the surgical estimates for 1970 and 1965, by age and sex.

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COOPERATION OF THE BUREAU OF THE CENSUS

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

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

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SYMBOLS	
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Category not applicable-----	...
Quantity zero-----	-
Quantity more than 0 but less than 0.05-----	0.0
Figure does not meet standards of reliability or precision (more than 30 percent relative standard error)-----	*

SURGICAL OPERATIONS IN SHORT-STAY HOSPITALS

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INTRODUCTION

This study of surgical operations in non-Federal short-stay hospitals in 1975 is based on data collected by means of the Hospital Discharge Survey. The National Center for Health Statistics has continuously conducted this survey since the beginning of 1965.

Data for the survey are abstracted from face sheets in a sample of the medical records for patients discharged from a national sample of the non-Federal general and special short-stay hospitals located in the 50 States and the District of Columbia. The 1975 sample included approximately 232,000 medical records from 432 hospitals that participated in the survey. Data for newborn infants are excluded from this report. A description of the survey design, data collection procedures, and the estimation process is presented in appendix I. A detailed report describing the design of the Hospital Discharge Survey has been published.¹

Estimates are presented in this study on the number of inpatients with surgery discharged from short-stay hospitals during 1975 and the surgical operations or procedures performed for these patients. Operations are shown by the demographic characteristics of the patients with surgery and by geographic region and bed size of hospitals from which patients were discharged. Measurements of hospital utilization by surgical patients are given in terms of frequencies, surgical rates, and percent distributions. Average length of stay is shown for first-listed operations. Some comparisons are made of the 1975 surgical data with the surgery estimates for 1970 and 1965, by age and sex.

A maximum of three operations is coded for

each medical record in the sample. Coding of medical data from the Health Discharge Survey (HDS) is done according to the *Eighth Revision International Classification of Diseases, Adapted for Use in the United States*² (ICDA), with some modifications. The definition of surgery used in this report includes biopsies and other selected diagnostic procedures, but excludes some obstetrical procedures, diagnostic endoscopy and radiography, and certain other nonsurgical procedures.

Familiarity with the definition of surgery as used in this report is important for interpreting the data and for making comparisons with statistical data on surgery from other data collection sources. The HDS modifications of the ICDA section on "Surgical Operations, Diagnostic and Other Therapeutic Procedures" are described in appendix I under "Data Collection and Processing." Definitions of the terms used in this study are presented in appendix II.

Data from HDS on surgery in short-stay hospitals have been published in previous reports for 1965, 1968, and 1971 through 1974.³⁻⁸ Information on diseases and injuries diagnosed for patients of short-stay hospitals has been published for each year 1965 through 1975, with the exceptions of 1969 and 1970.⁹⁻¹⁶

Another program of the National Center for Health Statistics (NCHS), the Health Interview Survey (HIS), also collects data on hospitalization. The estimates from HIS are generally smaller for number of discharges and longer for average lengths of stay than those from HDS because of differences in collection procedures, population sampled, and definitions. Data from HIS are published by NCHS in Series 10 of *Vital and Health Statistics* reports.

DISCHARGES WITH SURGERY

Surgery was performed for an estimated 14.2 million patients, or 41.7 percent, of the 34.0 million inpatients discharged from non-Federal short-stay hospitals during 1975 (table A). There were approximately 67.9 discharges with surgery in 1975 per 1,000 persons in the civilian noninstitutionalized population. Patients with surgery accounted for 20.0 million operations, or 1.4 operations per patient.

Sex and Age

Patients hospitalized for surgery in 1975 included 5.4 million males and 8.8 million females (table A). The corresponding rates per 1,000 population were 53.5 for males and 81.2 for females. The large difference by sex, as discussed later in this report, is accounted for mainly by the performance of about 3.9 million gynecol-

ogical and 1.3 million obstetrical procedures for the female patients (table 1).

Patients with surgery per 1,000 population increased consistently with advancing age from 31.6 for under 15 years of age to 110.9 for persons 65 years and over. Rates for males discharged with surgery were also higher for each older age group, but for females the rate of discharges with surgery was highest for age group 15-44 years, the childbearing years.

Increases in discharge rates for each older age group were smaller for patients with surgery than for those without surgery. For patients with surgery the rates were over 3½ times higher for both males and females aged 65 years and over than for patients under age 15; but for patients without surgery, the rates were about 6 times higher for males and almost 7 times higher for females of the oldest than of the youngest ages. These differences are the result of larger

Table A. Number and rate of inpatients discharged from short-stay hospitals with and without surgery and percent with surgery, by sex and age: United States, 1975

[Excludes newborn infants and Federal hospitals]

Sex and age	Number of operations in thousands			Percent of discharges with surgery	Rate of operations per 1,000 population		
	Total	Without surgery	With surgery		Total	Without surgery	With surgery
Both sexes							
All ages	34,043	19,854	14,189	41.7	162.8	95.0	67.9
Under 15 years	3,826	2,136	1,689	44.2	71.5	39.9	31.6
15-44 years	14,171	7,614	6,557	46.3	155.4	83.5	71.9
45-64 years	8,391	4,812	3,579	42.7	194.7	111.6	83.0
65 years and over	7,654	5,292	2,363	30.9	359.3	248.4	110.9
Male							
All ages	13,519	8,118	5,401	40.0	134.0	80.5	53.5
Under 15 years	2,143	1,188	956	44.6	78.6	43.5	35.0
15-44 years	4,107	2,247	1,860	45.3	92.8	50.8	42.0
45-64 years	3,870	2,402	1,467	37.9	188.3	116.9	71.4
65 years and over	3,399	2,281	1,118	32.9	386.9	259.7	127.3
Female							
All ages	20,523	11,736	8,787	42.8	189.7	108.5	81.2
Under 15 years	1,682	949	733	43.6	64.1	36.2	28.0
15-44 years	10,064	5,367	4,697	46.7	214.6	114.4	100.1
45-64 years	4,522	2,409	2,112	46.7	200.5	106.8	93.6
65 years and over	4,256	3,011	1,245	29.2	339.9	240.5	99.4

proportions of older than of younger patients hospitalized for chronic illnesses such as heart disease, cerebrovascular disease, diabetes, and arthritis which are not usually treatable by surgery.

About 9.7 million of the 14.2 million patients with surgery (68.1 percent) had one operation, 3.2 million (22.5 percent) had two operations, and 1.3 million (9.4 percent) had three operations (table B). The proportion of patients with multiple operations was smallest for under age 15 years (25.1 percent) and was highest for age group 45-64 years (36.6 percent). The percentage of patients with multiple operations ranged for males from 27.2 percent for under 15 years to 31.0 percent for age group 65 years and over. For females the range was from 22.4 percent for under 15 years to 41.1 percent for age group 45-64 years.

Color

Color of patients discharged during 1975 with and without surgery is presented in table C. Patients are shown by the color groups "white" and "all other." However, color of patient was not identified on the medical records for an estimated 4.5 million patients, a larger number of discharges than the 3.8 million identified as the all other color group. As a result, rates were not computed and caution should be used in drawing conclusions from the data by color.

A slightly larger proportion of white patients discharged (41.6 percent) than of those other than white (39.0 percent) were surgically treated during their hospitalization (table C). Also, a larger proportion of white than of all other patients with surgery underwent multiple surgical procedures (table D).

Table B. Number and percent distribution of inpatients discharged from short-stay hospitals with surgery by number of operations, according to sex and age: United States, 1975

[Excludes newborn infants and Federal hospitals]

Sex and age	Total discharges with surgery	Number of operations			Total discharges with surgery	Number of operations		
		One	Two	Three		One	Two	Three
Both sexes		Number of discharges in thousands			Percent distribution			
All ages	14,189	9,665	3,197	1,327	100.0	68.1	22.5	9.4
Under 15 years	1,689	1,265	370	54	100.0	74.9	21.9	3.2
15-44 years	6,557	4,487	1,441	630	100.0	68.4	22.0	9.6
45-64 years	3,579	2,270	881	428	100.0	63.4	24.6	12.0
65 years and over	2,363	1,642	505	215	100.0	69.5	21.4	9.1
Male								
All ages	5,401	3,827	1,171	404	100.0	70.9	21.7	7.5
Under 15 years	956	697	224	35	100.0	72.9	23.5	3.7
15-44 years	1,860	1,335	388	136	100.0	71.8	20.9	7.3
45-64 years	1,467	1,025	311	131	100.0	69.8	21.2	8.9
65 years and over	1,118	770	247	101	100.0	68.9	22.0	9.0
Female								
All ages	8,787	5,838	2,026	924	100.0	66.4	23.1	10.5
Under 15 years	733	569	145	19	100.0	77.6	19.8	2.6
15-44 years	4,697	3,152	1,052	493	100.0	67.1	22.4	10.5
45-64 years	2,112	1,245	570	297	100.0	59.0	27.0	14.1
65 years and over	1,245	872	259	114	100.0	70.0	20.8	9.2

Table C. Number of inpatients discharged from short-stay hospitals with and without surgery and percent with surgery, by color: United States, 1975

[Excludes newborn infants and Federal hospitals]

Color	Number of discharges in thousands			Percent of discharges with surgery
	Total	Without surgery	With surgery	
Total	34,043	19,854	14,189	41.7
White.....	25,715	15,010	10,705	41.6
All other.....	3,798	2,317	1,482	39.0
Color not stated	4,529	2,527	2,002	44.2

Table D. Number and percent distribution of inpatients discharged from short-stay hospitals with surgery by number of operations, according to color: United States, 1975

[Excludes newborn infants and Federal hospitals]

Color	Total discharges with surgery	Number of operations			Total discharges with surgery	Number of operations		
		One	Two	Three		One	Two	Three
		Number of discharges in thousands				Percent distribution		
Total	14,189	9,665	3,197	1,327	100.0	68.1	22.5	9.4
White.....	10,705	7,231	2,440	1,034	100.0	67.5	22.8	9.7
All other.....	1,482	1,053	304	125	100.0	71.0	20.5	8.5
Color not stated	2,002	1,381	453	168	100.0	69.0	22.6	8.4

Geographic Region of Hospital

The number of inpatients discharged from short-stay hospitals in 1975 with surgery performed during their hospitalization ranged from 2.5 million in the West Region to 4.5 million in the North Central Region (table E). Differences among the regions in number of discharges and of inpatients with surgery are the result of regional variations in population sizes and differences in the rates of patients with surgery. Population sizes of the geographic regions varied from 36.9 million in the West Region to 66.6 million in the South Region (appendix I, table II). The rates of patients discharged with surgery per 1,000 population ranged from 58.6 in the South Region to 79.1 in the North Central Region. Although the South Region had the largest population of any region, it ranked second to the

North Central Region in number of discharges with surgery because of its low surgical rate.

A surgical procedure was performed for approximately 2 out of 5 (41.7 percent) patients hospitalized during 1975 (table E). Only 36.9 percent of the patients discharged in the South Region underwent surgery, whereas 45.4 percent in the West Region underwent surgery. In all regions approximately 7 in 10 of the patients with surgery underwent a single surgical procedure and 3 in 10 underwent multiple operations during their episodes of hospitalization (table F).

Bed Size of Hospital

The proportion of patients discharged with surgery increased consistently with size of hospi-

Table E. Number and rate of inpatients discharged from short-stay hospitals with and without surgery and percent with surgery, by geographic region: United States, 1975
 [Excludes newborn infants and Federal hospitals]

Geographic region	Number of discharges in thousands			Percent of discharges with surgery	Discharge rate per 1,000 population		
	Total	Without surgery	With surgery		Total	Without surgery	With surgery
Total	34,043	19,854	14,189	41.7	162.8	95.0	67.9
Northeast	7,351	4,037	3,314	45.1	150.8	82.8	68.0
North Central.....	10,677	6,183	4,494	42.1	187.9	108.8	79.1
South.....	10,562	6,659	3,902	36.9	158.6	100.0	58.6
West.....	5,454	2,975	2,479	45.4	147.6	80.5	67.1

Table F. Number and percent distribution of inpatients discharged from short-stay hospitals with surgery by number of operations, according to geographic region and bed size of hospital: United States, 1975
 [Excludes newborn infants and Federal hospitals]

Geographic region and bed size of hospital	Total discharges with surgery	Number of operations			Total discharges with surgery	Number of operations		
		One	Two	Three		One	Two	Three
Total	14,189	9,665	3,197	1,327	100.0	68.1	22.5	9.4
<u>Geographic region</u>								
Northeast	3,314	2,250	743	320	100.0	67.9	22.4	9.7
North Central	4,494	3,050	1,010	434	100.0	67.9	22.5	9.7
South	3,902	2,621	903	378	100.0	67.2	23.1	9.7
West	2,479	1,774	540	195	100.0	70.4	21.8	7.9
<u>Bed size of hospital</u>								
6-99 beds	1,952	1,341	415	196	100.0	68.7	21.3	10.0
100-199 beds	2,164	1,481	489	194	100.0	68.5	22.6	8.9
200-299 beds	2,312	1,558	528	225	100.0	67.4	22.8	9.8
300-499 beds	4,205	2,854	970	381	100.0	67.9	23.1	9.1
500 beds or more	3,557	2,430	795	331	100.0	68.3	22.4	9.3

tal (table G). Surgery was performed for only 29.1 percent of the patients of hospitals with 6-99 beds compared with 48.7 percent of the patients of hospitals with 500 beds or more. Conceivably more surgery is done in larger than in smaller hospitals because of their capability to support greater specialization of staff, facilities, and equipment required for performing complex surgery.

In hospitals with fewer than 300 beds, the

proportion of total discharges with surgery was smaller than that of discharges without surgery. Conversely, in hospitals with 300 beds or more, the proportion of total discharges with surgery was greater than discharges without surgery. The smaller hospitals treated about 45 percent of all patients discharged with surgery and 56 percent of the patients without surgery. In the larger hospitals the proportions treated were 55 percent of the patients with surgery and 44 percent

Table G. Number and percent distribution of inpatients discharged from short-stay hospitals with and without surgery, all-listed operations, and percent of discharges with surgery by bed size of hospital: United States, 1975

[Excludes newborn infants and Federal hospitals]

Bed size of hospital	Number of discharges			Percent of discharges with surgery	All-listed operations in thousands
	Total	Without surgery	With surgery		
	Number in thousands				
Total	34,043	19,854	14,189	41.7	20,040
6-99 beds	6,705	4,753	1,952	29.1	2,759
100-199 beds	5,636	3,472	2,164	38.4	3,050
200-299 beds	5,281	2,969	2,312	43.8	3,290
300-499 beds	9,114	4,909	4,205	46.1	5,937
500 beds or more	7,307	3,750	3,557	48.7	5,015
	Percent distribution				
Total	100.0	100.0	100.0	...	100.0
6-99 beds	19.7	23.9	13.8	...	13.8
100-199 beds	16.6	17.5	15.2	...	15.2
200-299 beds	15.5	15.0	16.3	...	16.4
300-499 beds	26.8	24.7	29.6	...	29.6
500 beds or more	21.5	18.9	25.1	...	25.0

of those without surgery. The estimated number of operations shown in table G for patients with surgery indicates an average of 1.4 surgical procedures per patient in every hospital bed size group.

There were small differences in the percent distributions of patients with surgery by number of operations per patient among the various size of hospital groups (table F). As was discussed previously for the other variables, large variations in the distributions of single and multiple operations were evident only by sex and age.

SURGICAL OPERATIONS BY PATIENT AND HOSPITAL CHARACTERISTICS

The estimates of surgical operations presented in this report are grouped in the detailed tables by the 17 surgical classes or specialties, including biopsy, in the ICDA section "Surgical Operations, Diagnostic and Other Therapeutic Procedures." Data are omitted for the parts of this section on the nonsurgical procedures such as diagnostic endoscopy, diagnostic radiography, radiotherapy and related therapies, and physical

medicine and rehabilitation. Operations within each surgical class are presented in the detailed tables by surgical categories which represent single surgical procedures which occurred in large frequencies or groups of associated surgical operations. The titles and order of the categories in the detailed tables follow ICDA as closely as possible. Unpublished data are available from HDS for almost all the surgical codes listed in ICDA.

Rates for sex-specific operations were computed using the total civilian noninstitutionalized population except in table 1, which presents surgery by sex. The reader can compute rates for the sex-specific operations in the other tables using the appropriate populations for each sex shown in appendix I, table II.

The categories of surgical operations and procedures performed most frequently during 1975 are presented for the variables age, sex, color, geographic region, and bed size of hospital in text tables H-T. The selection of leading surgical operations for the text tables excludes residual categories of operations listed in the detailed tables. The text tables on surgery by age are cross-tabulated by sex (tables M-P). Similar

cross-tabulations do not appear in the detailed tables.

Comparisons are made in several text tables of the frequencies and rates for the leading surgical categories in 1975 with those for 1970 and 1965 (tables K, L, and Q). The eighth revision of ICDA was used for coding 1975 and 1970 data and the seventh revision for coding 1965 data. The surgical categories used in the tables to show trends were selected because they had large frequencies in 1975 and established equivalence of the two coding classifications. Trend data are not shown for two categories with high

frequencies in 1975, biopsy and excision of lesion of skin and subcutaneous tissue, because equivalence could not be established. For these tables, the surgical category for diagnostic dilation and curettage of uterus used in the eighth revision ICDA was expanded to include "terminate pregnancy" in order to attain equivalence with the seventh revision ICDA.

Surgery by Sex and Age

An estimated 20.0 million operations were performed during 1975 (table 1). This corresponds to 95.8 operations per 1,000 persons in

Table H. Number and rate of all-listed operations for inpatients of all ages discharged from short-stay hospitals, by selected surgical categories and sex: United States, 1975
[Excludes newborn infants and Federal hospitals]

Surgical category and ICDA code	Number of operations in thousands			Rate of operations per 1,000 population		
	Both sexes	Male	Female	Both sexes	Male	Female
All operations ¹	20,040	7,379	12,661	95.8	73.1	117.0
Biopsy..... A1-A2	1,107	352	754	5.3	3.5	7.0
Dilation and curettage of uterus, diagnostic .....70.3	977	...	977	4.7	...	9.0
Hysterectomy 69.1-69.5	725	...	725	3.5	...	6.7
Tonsillectomy with or without						
adenoidectomy 21.1-21.2	685	297	388	3.3	2.9	3.6
Repair of inguinal hernia 38.2-38.3	549	484	65	2.6	4.8	0.6
Oophorectomy; salpingo-oophorectomy.....67.2-67.5	471	...	471	2.3	...	4.4
Cholecystectomy..... 43.5	442	105	337	2.1	1.0	3.1
Excision of lesion of skin and subcutaneous tissue..... 92.1-92.2	435	198	237	2.1	2.0	2.2
Ligation and division of fallopian tubes (bilateral)..... 68.5	368	...	368	1.8	...	3.4
Operations on muscles, tendons, fascia, and bursa 88-89	360	178	182	1.7	1.8	1.7
Extraction of lens 14.4-14.6	333	132	200	1.6	1.3	1.8
Cesarean section 77	328	...	328	1.6	...	3.0
Appendectomy ² 41.1	319	160	159	1.5	1.6	1.5
Closed reduction of fracture without fixation 82.0	308	167	141	1.5	1.7	1.3
Reduction of fracture with fixation 82.2	298	127	170	1.4	1.3	1.6
Dilation and curettage after delivery or abortion 78.1	291	...	291	1.4	...	2.7
Exploratory laparotomy or celiotomy..... 39.1	281	92	189	1.3	0.9	1.7
Prostatectomy 58.1-58.3	266	266	...	1.3	2.6	...
Dilation of urethra 57.5	250	92	158	1.2	0.9	1.5
Partial mastectomy 65.2	228	5	223	1.1	0.1	2.1
Repair of obstetrical laceration..... 78.2-78.3	227	...	227	1.1	...	2.1
Antepartum procedures to terminate pregnancy 74.6-74.9	227	...	227	1.1	...	2.1
Myringotomy..... 17.0	220	119	101	1.1	1.2	0.9
Hemorrhoidectomy 51.3	201	105	96	1.0	1.0	0.9
Plastic repair of cystocele and/or rectocele 71.4	196	...	196	0.9	...	1.8

¹Includes operations not listed in table.

²Limited to estimated number of appendectomies excluding those performed incidental to other abdominal surgery.

the civilian noninstitutionalized population (rates in the detailed tables are shown per 100,000 population to accommodate small estimates). About 7.4 million of the operations were for males and 12.7 million for females. Surgical rates per 1,000 population were 73.1 and 117.0, respectively (table H). Exclusive of sex-specific surgical procedures, surgical rates were 65.9 for males and 67.6 for females, or about the same because of the much larger number of sex-specific operations for females (5,344,000) compared with males (732,000).

Surgical operations presented in the detailed tables of this report are grouped by the 17 ICDA surgical classes. About half (52 percent) of the operations for males were clustered in the three surgical specialties abdominal, orthopedic, and urological surgery. For females about half (52 percent) of the operations were also clustered in three classes—gynecological, abdominal, and orthopedic surgery. The annual rates of surgery for 1975 for the ICDA specialties or classes are shown by sex in figure 1.

The detailed surgical categories with the largest frequencies and rates in 1975 are shown by sex in table H. The number of operations was highest for the surgical categories biopsy, diagnostic dilation and curettage of uterus, hysterectomy, tonsillectomy with or without adenoidectomy, and repair of inguinal hernia. These five surgical procedures accounted for about 1 in 5 operations (20 percent) performed in short-stay hospitals. Among males the leading surgical procedures were repair of inguinal hernia, biopsy, and tonsillectomy, and among females the leading surgical procedures were diagnostic dilation and curettage of uterus, biopsy, and hysterectomy.

Many of the non-sex-specific operations are performed more often for one sex than for the other (table 1). For example, the surgical rates were about 8 times larger for males than for females having operations for repair of inguinal hernia, about 4 times for cardiac revascularization, and about 3 times for urethral meatotomy, excision of semilunar cartilage of knee joint, and reduction of fracture and fracture-dislocation of jawbone. In contrast, for females the rates for breast surgery were about 16 times greater than for males, almost 6 times for thyroidectomy, almost 5 times for repair and plastic operations

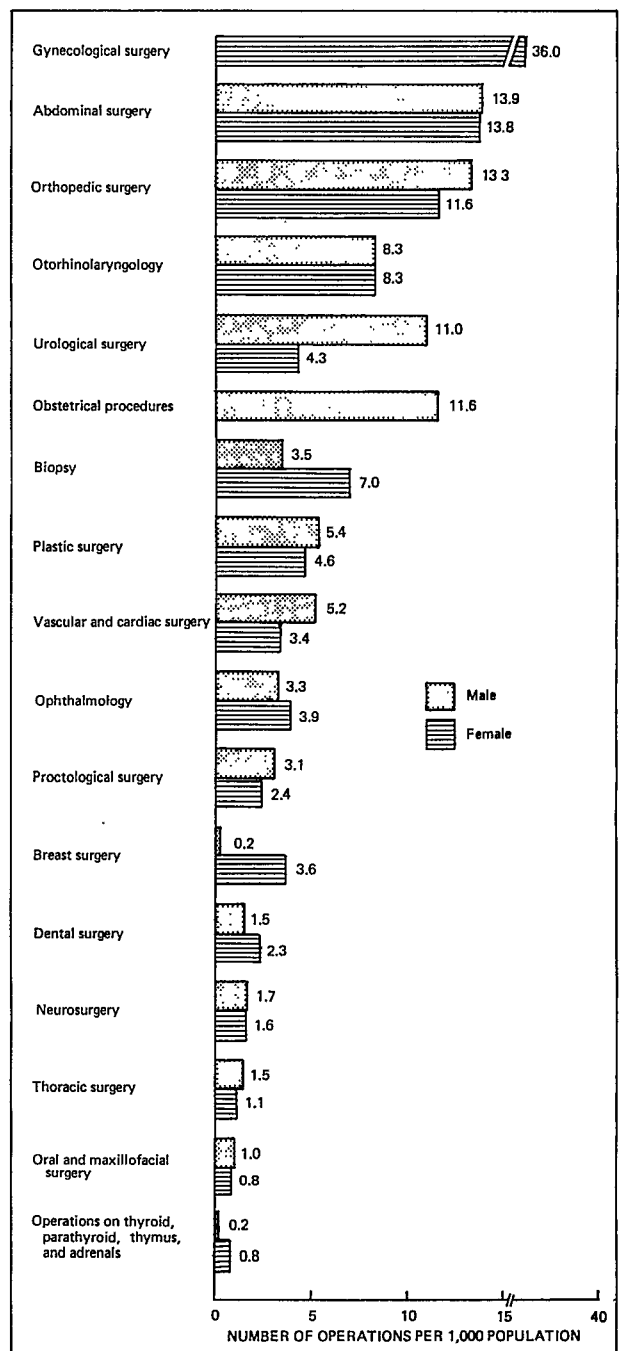


Figure 1. Annual rate of all-listed operations for inpatients discharged from non-Federal short-stay hospitals, excluding newborn infants, by surgical class and sex: United States, 1975

on joints of foot and toes, and 3 times for cholecystectomy. Differences in rates were relatively small between males and females having operations for appendectomy, hemorrhoidectomy,

and operations on muscles, tendons, fascia, and bursa.

More than twice as many biopsies were done for females than for males during 1975. The number and rate of biopsies are shown by body site and sex in table J. The large difference by sex is accounted for mainly by biopsies of breast and of internal female genital organs, which represented about 56 percent of all biopsies performed for female patients.

The number and rate of operations in 1975 were substantially higher compared with those in 1970 and 1965 (table K). Surgical operations performed increased from 14.7 million in 1965 to 15.6 million in 1970 and to 20.0 million in 1975. The number of operations per 1,000 population was 77.3 in 1965 compared with 78.2 in 1970 and 95.8 in 1975. Even greater changes occurred during this period in the rates for specific surgical procedures. For example, rates were substantially higher for bilateral ligation and division of fallopian tubes, bilateral salpingectomy, and cardiac catheterization. On the other hand, rates decreased during this period for some operations such as tonsillectomy with or without adenoidectomy, hemorrhoidectomy, and appendectomy. Tonsillectomy dropped from first in rank in 1965 to fourth in rank in 1975 (table H).

Operations for males increased from 62.7 procedures per 1,000 population in 1965 to 73.1 in 1975, or by about 17 percent (table L). For females the surgical rate rose from 90.9 in 1965 to 117.0 in 1975, or by 29 percent. Among the selected procedures for males, the rates in 1975 were almost 6 times higher than in 1965 for cardiac catheterization and about double for dilation of urethra and for extraction of lens. Surgical rates dropped for some operations during this period. For example, the rate for tonsillectomy in 1975 was less than half the rate in 1965. The rates for hemorrhoidectomy and for closed reduction of fracture without internal fixation in 1975 were approximately a third less than in 1965.

Surgical rates for females in 1975 compared with those in 1965 were almost 5 times higher for bilateral ligation and division of fallopian tubes, about 4 times higher for bilateral salpingectomy, and more than double for extraction of lens. The rate for cesarean section increased from 1.8 per 1,000 persons in the female population in 1965 to 3.0 in 1975, or by about 70 percent. Furthermore, cesarean sections accounted for 10.5 percent of total deliveries in 1975 compared with 4.5 percent in 1965, or more than twice as many. Of the 15 leading operations for females shown in table L, surgical

Table J. Number and rate of biopsies performed for inpatients discharged from short-stay hospitals, by body site and sex: United States, 1975

[Excludes newborn infants and Federal hospitals]

Biopsy site and ICDA code	Number of biopsies in thousands			Rate of biopsies per 1,000 population		
	Both sexes	Male	Female	Both sexes	Male	Female
All biopsies A1-A2	1,107	352	754	5.3	3.5	7.0
Biopsy of breast A2.3	243	*4	240	1.2	*0.0	2.2
Biopsy of internal female genital organs A2.5	184	...	184	0.9	...	1.7
Biopsy of biliary tract, spleen, and pancreas A1.9	114	53	61	0.5	0.5	0.6
Biopsy of bone A2.7	108	49	59	0.5	0.5	0.5
Biopsy of stomach and intestines A1.8	81	40	41	0.4	0.4	0.4
Biopsy of thorax A1.6	81	47	34	0.4	0.5	0.3
Other biopsy of circulatory and lymphatic systems A2.6	69	33	36	0.3	0.3	0.3
Biopsy of male genital organs A2.2	47	47	...	0.2	0.5	...
Biopsy of mouth and throat A1.4	37	22	15	0.2	0.2	0.1
Biopsy of skin and subcutaneous tissue A2.9	33	13	20	0.2	0.1	0.2
Biopsy of urinary tract A2.1	31	20	12	0.2	0.2	0.1
Other biopsy of musculoskeletal system A2.8	22	7	14	0.1	0.1	0.1
Other biopsies residual	56	17	39	0.3	0.2	0.4

Table K. Trends of number and rate of operations for inpatients of all ages discharged from short-stay hospitals, by selected surgical categories: United States, 1965, 1970, and 1975

[Excludes newborn infants and Federal hospitals]

Surgical category	ICDA codes		Number of operations in thousands			Rate of operations per 1,000 population		
	Eighth revision	Seventh revision	1975	1970	1965	1975	1970	1965
All operations ¹ .....	...	...	20,040	15,613	14,679	95.8	78.2	77.3
Dilation and curettage of uterus, diagnostic and to terminate pregnancy.....	70.3-74.7	72.8	1,070	838	775	5.1	4.2	4.1
Hysterectomy	69.1-69.5	72.3-72.6,72.9	725	526	505	3.5	2.6	2.7
Tonsillectomy with or without adenoidectomy	21.1-21.2	27.1-27.2	685	958	1,215	3.3	4.8	6.4
Repair of inguinal hernia	38.2-38.3	40.0-40.1	549	496	517	2.6	2.5	2.7
Oophorectomy; salpingo-oophorectomy	67.2-67.5	70.2-70.5	471	305	291	2.3	1.5	1.5
Cholecystectomy	43.5	53.5	442	367	355	2.1	1.8	1.9
Ligation and division of fallopian tubes (bilateral) ...	68.5	71.5	368	162	69	1.8	0.8	0.4
Operations on muscles, tendons, fascia, and bursa ...	88-89	85-86	360	278	268	1.7	1.4	1.4
Extraction of lens	14.4-14.6	17.3-17.5	333	230	142	1.6	1.2	0.8
Cesarean section	77	78.0-78.4	328	195	174	1.6	1.0	0.9
Appendectomy ²	41.1	45.1	319	325	379	1.5	1.6	2.0
Closed reduction of fracture without fixation.....	82.0	82.0	308	336	364	1.5	1.7	1.9
Reduction of fracture with fixation	82.2	82.2	298	234	208	1.4	1.2	1.1
Dilation and curettage after delivery or abortion	78.1	77.1	291	312	307	1.4	1.6	1.6
Exploratory laparotomy and celiotomy	39.1	41.1	281	209	211	1.3	1.0	1.1
Prostatectomy	58.1-58.3	66.1-66.3	266	223	191	1.3	1.1	1.0
Dilation of urethra.....	57.5	64.5	250	176	96	1.2	0.9	0.5
Partial mastectomy	65.2	38.1	228	182	199	1.1	0.9	1.0
Repair of obstetrical laceration.....	78.2-78.3	77.2-77.3	227	201	193	1.1	1.0	1.0
Hemorrhoidectomy	51.3	49.3	201	225	285	1.0	1.1	1.5
Plastic repair of cystocele and/or rectocele	71.4	74.4	196	169	167	0.9	0.8	0.9
Cardiac catheterization	30.2	30.4-30.5	189	77	44	0.9	0.4	0.2
Salpingectomy, bilateral	68.2	71.2	175	69	39	0.8	0.3	0.2
Rhinoplasty and repair of nose	19.3	21.4	166	95	62	0.8	0.5	0.3
Excision of bone, partial	80.4	80.2	162	129	118	0.8	0.6	0.6
Excision of semilunar cartilage of knee joint	86.5	83.5	154	88	71	0.7	0.4	0.4

¹Includes operations not listed in table.

²Limited to estimated number of appendectomies excluding those performed incidental to other abdominal surgery.

rates were smaller in 1975 than in 1965 only for tonsillectomy and for dilation and curettage after delivery or abortion.

The number of operations for inpatients discharged from non-Federal short-stay hospitals during 1975 is presented by age group in table 2 and the corresponding rates are shown in table 3. Surgical rates increased for each older age group from 40.5 operations per 1,000 population aged under 15 years to 154.8 per 1,000 population aged 65 years and over, or almost 4 times higher. Rates of operations were higher for the older than the younger age groups in 8 of the 17 surgical specialties. Otorhinolaryngology

was the only specialty with lower rates for each older age group. Obstetrical procedures were almost all for patients of age group 15-44 years. For the remaining seven classes there was a variety of rate patterns by age. For example, the highest rates for patients with gynecological surgery and with dental surgery were for age group 15-44 and the highest rates for patients with breast surgery and with operations on thyroid, parathyroid, thymus, and adrenals were for age group 45-64 years. Similar variations in the age patterns are evident in the more detailed grouping of operations by surgical category.

The numbers and rates for the leading opera-

Table L. Trends of number and rate of operations for inpatients discharged from short-stay hospitals, by selected surgical categories and sex: United States, 1965, 1970, and 1975

[Excludes newborn infants and Federal hospitals]

Sex and surgical category	ICDA codes		Number of operations in thousands			Rate of operations per 1,000 population		
	Eighth revision	Seventh revision	1975	1970	1965	1975	1970	1965
Male								
All operations ¹ .....	...	...	7,379	6,074	5,766	73.1	63.3	62.7
Repair of inguinal hernia	38.2-38.3	40.0-40.1	484	438	467	4.8	4.6	5.1
Tonsillectomy with or without adenoidectomy	21.1-21.2	27.1-27.2	297	442	585	2.9	4.6	6.4
Prostatectomy	58.1-58.3	66.1-66.3	266	223	191	2.6	2.3	2.1
Operations on muscles, tendons, fascia, and bursa	88-89	85-86	178	148	132	1.8	1.5	1.4
Closed reduction of fracture without fixation	82.0	82.0	167	183	216	1.7	1.9	2.4
Appendectomy ²	41.1	45.1	160	168	200	1.6	1.8	2.2
Extraction of lens	14.4-14.6	17.3-17.5	132	93	60	1.3	1.0	0.7
Reduction of fracture with fixation	82.2	82.2	127	96	94	1.3	1.0	1.0
Cardiac catheterization	30.2	30.4-30.5	125	45	20	1.2	0.5	0.2
Excision of semilunar cartilage of knee joint	86.5	83.5	110	66	55	1.1	0.7	0.6
Cholecystectomy	43.5	53.5	105	96	87	1.0	1.0	0.9
Hemorrhoidectomy	51.3	49.3	105	121	149	1.0	1.3	1.6
Exploratory laparotomy or celiotomy	39.1	41.1	92	67	78	0.9	0.7	0.9
Dilation of urethra	57.5	64.5	92	64	38	0.9	0.7	0.4
Excision of intervertebral cartilage (prolapsed disk)...	86.4	83.4	88	73	45	0.9	0.8	0.5
Female								
All operations ¹ .....	...	...	12,661	9,539	8,890	117.0	92.1	90.9
Dilation and curettage of uterus, diagnostic and to terminate pregnancy,	70.3,74.7	72.8	1,070	838	775	9.9	8.1	7.9
Hysterectomy	69.1-69.5	72.3-72.6,72.9	725	526	505	6.7	5.1	5.2
Oophorectomy; salpingo-oophorectomy	67.2-67.5	70.2-70.5	471	305	291	4.4	2.9	3.0
Tonsillectomy with or without adenoidectomy	21.1-21.2	27.1-27.2	388	516	627	3.6	5.0	6.4
Ligation and division of fallopian tubes (bilateral)	68.5	71.5	368	162	69	3.4	1.6	0.7
Cholecystectomy	43.5	53.5	337	272	267	3.1	2.6	2.7
Cesarean section	77	78.0-78.4	328	195	174	3.0	1.9	1.8
Dilation and curettage after delivery or abortion	78.1	77.1	291	312	307	2.7	3.0	3.1
Repair of obstetrical laceration	78.2-78.3	77.2-77.3	227	201	193	2.1	1.9	2.0
Partial mastectomy	65.2	38.1	223	176	192	2.1	1.7	2.0
Extraction of lens	14.4-14.6	17.3-17.5	200	137	81	1.8	1.3	0.8
Plastic repair of cystocele and/or rectocele	71.4	74.4	196	169	167	1.8	1.6	1.7
Exploratory laparotomy or celiotomy	39.1	41.1	189	142	133	1.7	1.4	1.4
Operations on muscles, tendons, fascia, and bursa	88-89	85-86	182	130	136	1.7	1.3	1.4
Salpingectomy, bilateral	68.2	71.2	175	69	39	1.6	0.7	0.4

¹Includes operations not listed in table.

²Limited to estimated number of appendectomies excluding those performed incidental to other abdominal surgery.

tions in 1975 are shown by age and sex in tables M-P. Similar data for the surgical categories of age cross-tabulated by sex are not shown in the detailed tables of this report.

Age group under 15 years.—A larger number

of operations for patients under age 15 were for boys than for girls (table M). Surgical rates per 1,000 population were 45.8 for boys compared with 35.0 for girls, or almost a third larger for the boys.

Table M. Number and rate of all-listed operations for inpatients under 15 years of age discharged from short-stay hospitals, by selected surgical categories and sex: United States, 1975

[Excludes newborn infants and Federal hospitals]

Surgical category and ICDA code	Number of operations in thousands			Rate of operations per 1,000 population		
	Both sexes	Male	Female	Both sexes	Male	Female
All operations, under 15 years of age ¹	2,168	1,250	917	40.5	45.8	35.0
Tonsillectomy with or without adenoidectomy 21.1-21.2	470	233	238	8.8	8.5	9.1
Myringotomy 17.0	201	112	89	3.8	4.1	3.4
Repair of inguinal hernia..... 38.2-38.3	115	96	19	2.2	3.5	0.7
Appendectomy ² 41.1	101	54	47	1.9	2.0	1.8
Closed reduction of fracture without fixation 82.0	98	62	37	1.8	2.3	1.4
Adenoidectomy without tonsillectomy 21.3	72	38	34	1.3	1.4	1.3
Resection and recession of eye muscle 10.5-10.6	56	30	26	1.0	1.1	1.0
Circumcision 61.2	52	52	...	1.0	1.9	...
Dilation of urethra 57.5	50	10	40	0.9	0.4	1.5
Excision of lesion of skin and subcutaneous tissue 92.1-92.2	47	25	21	0.9	0.9	0.8
Operations on muscles, tendons, fascia, and bursa 88-89	45	24	21	0.8	0.9	0.8
Meatotomy (urethral) 57.1	31	26	5	0.6	1.0	0.2
Excision of hydrocele and hematocele 59.1	31	31	...	0.6	1.2	...
Suture of skin or mucous membrane 92.5	30	20	10	0.6	0.7	0.4
Biopsy A1-A2	29	15	15	0.5	0.5	0.6

¹Includes operations not listed in table.

²Limited to estimated number of appendectomies excluding those performed incidental to other abdominal surgery.

Tonsillectomy and myringotomy ranked first and second in frequency among the operations for boys and girls aged under 15 years. These procedures accounted for about 28 percent of all operations performed for boys and 36 percent of the operations for girls of this age group. Ranked third was repair of inguinal hernia for boys and appendectomy for girls.

Age group 15-44 years.—An estimated 2.5 million surgical operations were performed for males aged 15-44 years compared with 6.7 million operations for females (table N). The number of operations per 1,000 population was 57.0 for males and 143.6 for females, or about 2 and a half times greater for women than for men. The large difference in the rates for this age group by sex was due mainly to the number of gynecological procedures (2.7 million) and obstetrical procedures (1.2 million) performed for women (table 2).

The leading surgical procedures for age group 15-44 years were dominated by female-sex-specific operations. As is shown in table N, 8 of the 10 most frequent surgical procedures for

this age group were female-sex-specific. The remaining two procedures were biopsy for which the rate was 4 times greater for females than for males and tonsillectomy for which the rate for females was over 2 times larger than for males. The surgical categories with the highest rates per 1,000 women of this age group were diagnostic dilation and curettage of uterus (13.3), hysterectomy (9.3), bilateral ligation and division of fallopian tubes (7.7), cesarean section (6.9), and biopsy (6.5). The leading surgical categories for men of this age group were repair of inguinal hernia (2.6), operations on muscles, tendons, fascia, and bursa (2.1), appendectomy (1.9), excision of lesion of skin and subcutaneous tissue (1.7), and biopsy (1.6). Note that repair of inguinal hernia is not shown in table N because of its relatively small frequency for both sexes combined.

Age group 45-64 years.—The estimated number of operations per 1,000 population aged 45-64 years was 99.3 for males compared with 145.2 for females (table O). The higher rate for women is primarily the result of the large num-

Table N. Number and rate of all-listed operations for inpatients 15-44 years of age discharged from short-stay hospitals, by selected surgical categories and sex: United States, 1975

[Excludes newborn infants and Federal hospitals]

Surgical category and ICDA code	Number of operations in thousands			Rate of operations per 1,000 population		
	Both sexes	Male	Female	Both sexes	Male	Female
All operations, 15-44 years of age ¹	9,257	2,521	6,736	101.5	57.0	143.6
Dilation and curettage of uterus, diagnostic.....70.3	626	...	626	6.9	...	13.3
Hysterectomy .....69.1-69.5	435	...	435	4.8	...	9.3
Biopsy .....A1-A2	374	70	304	4.1	1.6	6.5
Ligation and division of fallopian tubes (bilateral).....68.5	362	...	362	4.0	...	7.7
Cesarean section.....77	325	...	325	3.6	...	6.9
Dilation and curettage after delivery or abortion .....78.1	288	...	288	3.2	...	6.1
Oophorectomy; salpingo-oophorectomy .....67.2-67.5	253	...	253	2.8	...	5.4
Repair of obstetrical laceration .....78.2-78.3	225	...	225	2.5	...	4.8
Antepartum procedures to terminate pregnancy .....74.6-74.9	222	...	222	2.4	...	4.7
Tonsillectomy with or without adenoidectomy .....21.1-21.2	209	63	146	2.3	1.4	3.1
Operations on muscles, tendons, fascia, and bursa .....88-89	178	91	87	2.0	2.1	1.9
Appendectomy ² .....41.1	176	86	91	1.9	1.9	1.9
Cholecystectomy .....43.5	168	20	148	1.8	0.5	3.1
Salpingectomy, bilateral .....68.2	166	...	166	1.8	...	3.5
Excision of lesion of skin and subcutaneous tissue .....92.1-92.2	166	74	92	1.8	1.7	2.0

¹Includes operations not listed in table.

²Limited to estimated number of appendectomies excluding those performed incidental to other abdominal surgery.

ber of gynecological operations which accounted for 1,009,000 surgical procedures, or 30.8 percent of all surgery for women aged 45-64 years (tables 2 and O).

Surgical rates for men aged 45-64 years were highest in 1975 for the surgical categories repair of inguinal hernia, biopsy, prostatectomy, cardiac catheterization, and excision of lesion of skin and subcutaneous tissue. The leading surgical procedures for women of this age group were for diagnostic dilation and curettage of uterus, biopsy, hysterectomy, oophorectomy and salpingo-oophorectomy, and cholecystectomy. As was evident for the other age groups, there were also a number of non-sex-specific surgical categories for which the rates were substantially higher for one sex than the other. Surgical rates were considerably higher for men than for women with operations for repair of inguinal hernia, cardiac catheterization, and hemorrhoidectomy. For women rates were higher than for

men with operations for partial mastectomy, cholecystectomy, and biopsy.

Age group 65 years and over.—An estimated 1,567,000 operations were performed for men aged 65 years and over and 1,732,000 for women (table P). The surgical rate for men per 1,000 population was 178.4 and for women 138.3. The rate for men was higher than for any younger age group, but for women of this age group the rate was lower than for age groups 15-44 years and 45-64 years.

Operations for men aged 65 years and over were most frequent for prostatectomy, biopsy, repair of inguinal hernia, extraction of lens, and local excision and destruction of lesion of bladder. For women aged 65 and over the most frequent surgical procedures were biopsy, extraction of lens, reduction of fracture with fixation, cholecystectomy, and diagnostic dilation and curettage of uterus. Surgical rates for men were much higher than for women with operations

Table O. Number and rate of all-listed operations for inpatients 45-64 years of age discharged from short-stay hospitals, by selected surgical categories and sex: United States, 1975

[Excludes newborn infants and Federal hospitals]

Surgical category and ICDA code	Number of operations in thousands			Rate of operations per 1,000 population		
	Both sexes	Male	Female	Both sexes	Male	Female
All operations, 45-64 years of age ¹	5,317	2,041	3,276	123.3	99.3	145.2
Biopsy.....A1-A2	408	129	279	9.5	6.3	12.4
Dilation and curettage of uterus, diagnostic.....70.3	304	...	304	7.0	...	13.5
Hysterectomy .....69.1-69.5	249	...	249	5.8	...	11.0
Oophorectomy; salpingo-oophorectomy .....67.2-67.5	187	...	187	4.3	...	8.3
Repair of inguinal hernia .....38.2-38.3	180	168	13	4.2	8.2	0.6
Cholecystectomy .....43.5	167	49	118	3.9	2.4	5.2
Excision of lesion of skin and subcutaneous tissue .....92.1-92.2	140	60	80	3.2	2.9	3.5
Operations on muscles, tendons, fascia, and bursa .....88-89	108	53	56	2.5	2.6	2.5
Cardiac catheterization.....30.2	107	74	33	2.5	3.6	1.5
Plastic repair of cystocele and/or rectocele .....71.4	91	...	91	2.1	...	4.0
Hemorrhoidectomy .....51.3	84	45	39	1.9	2.2	1.7
Extraction of lens .....14.4-14.6	84	41	43	1.9	2.0	1.9
Partial mastectomy .....65.2	80	*2	79	1.9	*0.1	3.5
Prostatectomy .....58.1-58.3	77	77	...	1.8	3.7	...
Operations on peripheral nerves .....04	74	27	47	1.7	1.3	2.1

¹Includes operations not listed in table.

Table P. Number and rate of all-listed operations for inpatients aged 65 years and over discharged from short-stay hospitals, by selected surgical categories and sex: United States, 1975

[Excludes newborn infants and Federal hospitals]

Surgical category and ICDA code	Number of operations in thousands			Rate of operations per 1,000 population		
	Both sexes	Male	Female	Both sexes	Male	Female
All operations, 65 years of age and over ¹	3,299	1,567	1,732	154.8	178.4	138.3
Biopsy .....A1-A2	296	139	157	13.9	15.8	12.6
Extraction of lens .....14.4-14.6	238	86	151	11.2	9.8	12.1
Prostatectomy .....58.1-58.3	187	187	...	8.8	21.3	...
Reduction of fracture with fixation.....82.2	142	32	110	6.7	3.6	8.8
Repair of inguinal hernia .....38.2-38.3	120	105	15	5.7	12.0	1.2
Cholecystectomy .....43.5	106	35	70	5.0	4.0	5.6
Excision of lesion of skin and subcutaneous tissue .....92.1-92.2	82	39	44	3.9	4.4	3.5
Resection of small intestine or colon .....47.4-47.6	74	33	41	3.5	3.8	3.2
Insertion or replacement of electronic heart device .....30.4-30.5	69	35	34	3.2	4.0	2.7
Dilation of urethra .....57.5	68	41	27	3.2	4.7	2.1
Local excision and destruction of lesion of bladder.....56.1-56.2	65	46	18	3.0	5.3	1.5
Exploratory laparotomy or celiotomy.....39.1	62	25	36	2.9	2.9	2.9
Closed reduction of fracture without fixation .....82.0	53	11	42	2.5	1.3	3.3
Dilation and curettage of uterus, diagnostic .....70.3	45	...	45	2.1	...	3.6
Complete and radical mastectomy .....65.3-65.6	41	*2	39	1.9	*0.2	3.1

¹Includes operations not listed in table.

for repair of inguinal hernia, local excision and destruction of lesion of bladder, and dilation of urethra. On the other hand, surgical rates were higher for women than for men with operations for reduction of fracture with internal fixation, closed reduction of fracture without fixation, and complete and radical mastectomy.

Numbers and rates for the leading operations for each age group in 1975 are compared with the data for these surgical procedures in 1970 and 1965 (table Q). Several surgical operations performed frequently during 1975 are omitted from table Q because of the lack of equivalency between the seventh and eighth revisions of the ICDA. For many operations there were significant differences between the estimates for 1975 and 1965.

Under age 15 years was the only age group for which the number and rate of operations did not increase from 1965 to 1975. In 1975 patients aged under 15 years underwent 2.2 million operations compared with 2.4 million in 1965, and the annual number of operations per 1,000 population was 40.5 in 1975 compared with 40.6 in 1965 (table Q). Large declines occurred from 1965 to 1975 in numbers and rates for operations such as tonsillectomy, appendectomy, and closed reduction of fracture without internal fixation. For tonsillectomy there was a sharp decrease in number from 981,000 in 1965 to 470,000 in 1975 and a drop in the rate from 16.4 operations per 1,000 population in 1965 to 8.8 in 1975.

Frequencies and surgical rates for the age group under 15 years were higher in 1975 than in 1965 for some surgical procedures such as adenoidectomy without tonsillectomy, dilation of urethra, and operations on muscles, tendons, fascia, and bursa. Nevertheless, frequencies of operations with an upward trend were much smaller in magnitude than those of operations with a downward trend.

The rate of operations for patients aged 15-44 years increased from 88.8 per 1,000 population in 1965 to 101.5 in 1975. As is shown in table Q, among the leading surgical operations the largest change from 1965 to 1975 was in bilateral ligation and division of fallopian tubes. The number of procedures increased from 69,000 in 1965 to 362,000 in 1975, and the rate increased from 0.9 to 4.0. Using the female population (appendix I, table II) as the base, the

rate for bilateral tubal ligation increased from 1.8 in 1965 to 7.7 in 1975. Surgical rates were also higher in 1975 than in 1965 for dilation and curettage of uterus (diagnostic and to terminate pregnancy), hysterectomy, oophorectomy and salpingo-oophorectomy which were leading gynecological procedures in 1975. The rate for cesarean section increased during the period from 1965 to 1975 even though rates for deliveries declined. Surgical rates declined or remained the same for dilation and curettage after delivery or abortion and for repair of obstetrical lacerations.

For age group 45-64 years there were more surgical procedures with higher than lower rates in 1975 than in 1965. Among the leading surgical procedures, the largest proportional change in rate was for cardiac catheterization, which accounted for 2.5 procedures per 1,000 population in 1975 compared with a rate of only 0.3 in 1965. This resulted from improvements in the techniques for performing this procedure and the larger number of heart conditions treated by surgery. As was evident for age group 15-44, there were also large increases in the rates for the gynecological procedures dilation and curettage of uterus (diagnostic and to terminate pregnancy), hysterectomy, and oophorectomy and salpingo-oophorectomy in age group 45-64 years from 1965 to 1975.

Patients aged 65 years and over experienced the largest increase in surgical rates of any age group from 1965 to 1975. There were an estimated 104.6 operations per 1,000 persons aged 65 years and over in 1965, the last calendar year prior to Medicare, which became effective July 1, 1966. Surgical rates for the aged increased to 122.5 in 1970 and to 154.8 in 1975. Rates of all the leading surgical categories shown in table Q for patients aged 65 and over were also consistently higher for the 5-year intervals from 1965 to 1975. Some of the large changes in surgical rates were for dilation of urethra which increased by about 3 and a half times from 1965 to 1975, extraction of lens which more than doubled, and for resection of small intestine or colon which almost doubled.

Surgery by Color

The number and percent distribution of operations in short-stay hospitals during 1975

Table Q. Trends of number and rate of operations for inpatients discharged from short-stay hospitals, by selected surgical categories and age: United States, 1965, 1970, and 1975

[Excludes newborn infants and Federal hospitals]

Age group and surgical category	ICDA codes		Number of operations in thousands			Rate of operations per 1,000 population		
	Eighth revision	Seventh revision	1975	1970	1965	1975	1970	1965
<u>Under 15 years of age</u>								
All operations ¹ .....	...	...	2,168	2,296	2,426	40.5	39.8	40.6
Tonsillectomy with or without adenoidectomy	21.1-21.2	27.1-27.2	470	726	981	8.8	12.6	16.4
Repair of inguinal hernia	38.2-38.3	40.0-40.1	115	126	135	2.2	2.2	2.3
Appendectomy ²	41.1	45.1	101	113	141	1.9	2.0	2.4
Closed reduction of fracture without fixation	82.0	82.0	98	110	136	1.8	1.9	2.3
Adenoidectomy without tonsillectomy	21.3	27.3	72	36	33	1.3	0.6	0.5
Resection and recession of eye muscle	10.5-10.6	11.2-11.3	56	65	65	1.0	1.1	1.1
Dilation of urethra	57.5	64.5	50	52	25	0.9	0.9	0.4
Operations on muscles, tendons, fascia, and bursa	88-89	85-86	45	45	39	0.8	0.8	0.6
<u>15-44 years of age</u>								
All operations ¹ .....	...	...	9,257	6,966	6,584	101.5	85.8	88.8
Dilation and curettage of uterus, diagnostic and to terminate pregnancy	70.3,74.7	72.8	717	547	516	7.9	6.7	7.0
Hysterectomy	69.1-69.5	72.3-72.6,72.9	435	306	298	4.8	3.8	4.0
Ligation and division of fallopian tubes (bilateral)	68.5	71.5	362	158	69	4.0	2.0	0.9
Cesarean section	77	78.0-78.4	325	194	173	3.6	2.4	2.3
Dilation and curettage after delivery or abortion	78.1	77.1	288	307	305	3.2	3.8	4.1
Oophorectomy; salpingo-oophorectomy	67.2-67.5	70.2-70.5	253	169	177	2.8	2.1	2.4
Repair of obstetrical laceration	78.2-78.3	77.2-77.3	225	199	192	2.5	2.5	2.6
Tonsillectomy with or without adenoidectomy	21.1-21.2	27.1-27.2	209	224	218	2.3	2.8	2.9
<u>45-64 years of age</u>								
All operations ¹ .....	...	...	5,317	3,997	3,805	123.3	96.4	98.9
Dilation and curettage of uterus, diagnostic and to terminate pregnancy	70.3,74.7	72.8	304	251	227	7.0	6.1	5.9
Hysterectomy	69.1-69.5	72.3-72.6,72.9	249	187	174	5.8	4.5	4.5
Oophorectomy; salpingo-oophorectomy	67.2-67.5	70.2-70.5	187	117	98	4.3	2.8	2.5
Repair of inguinal hernia	38.2-38.3	40.0-40.1	180	157	172	4.2	3.8	4.5
Cholecystectomy	43.5	53.5	167	148	151	3.9	3.6	3.9
Operations on muscles, tendons, fascia, and bursa	88-89	85-86	108	84	87	2.5	2.0	2.3
Cardiac catheterization	30.2	30.4-30.5	107	30	11	2.5	0.7	0.3
Plastic repair of cystocele and/or rectocele	71.4	74.4	91	73	74	2.1	1.8	1.9
<u>65 years of age and over</u>								
All operations ¹ .....	...	...	3,299	2,354	1,823	154.8	122.5	104.6
Extraction of lens	14.4-14.6	17.3-17.5	238	162	92	11.2	8.4	5.3
Prostatectomy	58.1-58.3	66.1-66.3	187	159	131	8.8	8.3	7.5
Reduction of fracture with fixation	82.2	82.2	142	110	90	6.7	5.7	5.1
Repair of inguinal hernia	38.2-38.3	40.0-40.1	120	91	79	5.7	4.8	4.5
Cholecystectomy	43.5	53.5	106	85	74	5.0	4.4	4.2
Resection of small intestine or colon	47.4-47.6	46.2-46.5	74	49	35	3.5	2.6	2.0
Dilation of urethra	57.5	64.5	68	42	15	3.2	2.2	0.9
Local excision and destruction of lesion of bladder ...	56.1-56.2	63.1	65	42	37	3.0	2.2	2.1

¹Includes operations not listed in table.

²Limited to estimated number of appendectomies excluding those performed incidental to other abdominal surgery.

are shown by color of patients in table 4. As was pointed out previously, rates were not computed because of the large number of patients for whom color was not recorded on the medical records. Color was not identified for 14.1 percent of the patients discharged with surgery during their hospitalization, and they accounted for 13.9 percent of the operations performed.

Five of the 17 surgical classes accounted for about two-thirds of the operations for white patients (64 percent) and for all other patients (65 percent). Gynecological, abdominal, orthopedic, and urological surgery were among the five leading surgical specialties for both white and all other patients. In addition, among the five leading classes for white patients otorhinolaryngology ranked fourth, and for all other patients obstetrical procedures ranked third. There were differences by color in the percentages that operations in each surgical class represented of all operations. The largest difference was for obstetrical procedures, which accounted for only 5.5 percent of the operations for white patients compared with 12.8 percent of the operations for all other patients. Some other differences were for otorhinolaryngology, which included 8.7 percent of the operations for white patients compared with 6.2 percent for all other patients, and vascular and cardiac surgery, which included 4.7 percent of the operations for white patients and 3.4 percent of the operations for all other patients.

The leading surgical categories for both white and all other patients were biopsy, diagnostic dilation and curettage of uterus, and hysterectomy. For white patients tonsillectomy and repair of inguinal hernia ranked fourth and fifth, and for all other patients antepartum procedures to terminate pregnancy and cesarean section ranked fourth and fifth. The five surgical categories with the largest frequencies for each color group accounted for about 1 in 5 of all operations performed.

Many surgical categories represented much higher proportions of total operations for one color group than the other. Other than the obstetrical procedures discussed previously, some operations that accounted for larger proportions of total operations for white than for all other patients were cholecystectomy, myringotomy, and repair of inguinal hernia. Some categories

where the percentages of total operations were larger for all other than for white patients were bilateral ligation and division of fallopian tubes, reduction of fracture and fracture dislocation of jawbone, and circumcision.

Surgery by Geographic Region of Hospital

Estimates of the number of operations by surgical specialty and category for patients with surgery in 1975 are shown for each geographic region in table 5. The corresponding rates for these operations are presented in table 6.

Operations per 1,000 population varied from 83.5 in the South Region to 112.1 in the North Central Region, about a third higher in the North Central. The number of surgical procedures for each region (table 5) compared with the number of patients with surgery in each region (table E) indicates that there was an average of 1.4 operations per patient with surgery in every geographic region.

In regions other than the Northeast, the surgical specialties with the largest numbers, but not with the same rank order, of operations were gynecological, abdominal, and orthopedic surgery, otorhinolaryngology, and urological surgery. In the Northeast Region, obstetrical procedures ranked fifth in frequency and otorhinolaryngology ranked sixth. Gynecological surgery was the leading surgical class in all regions except the West, where orthopedic surgery ranked first. Surgical rates for the specialties varied among the geographic regions. For example, operations per 1,000 population for gynecological surgery ranged from 15.4 in the West to 20.5 in the North Central, for abdominal surgery from 12.6 in the West to 15.3 in the North Central, and for orthopedic surgery from 9.6 in the South to 16.2 in the West (table 6).

In all regions except the South, the surgical procedures with the largest numbers, but not with the same rank order, were biopsy, diagnostic dilation and curettage of uterus, hysterectomy, tonsillectomy, and repair of inguinal hernia. In the South Region oophorectomy and salpingo-oophorectomy ranked fifth and repair of inguinal hernia ranked sixth.

Differences in the surgical rates among the geographic regions were relatively small for some surgical procedures, such as cesarean section,

which varied from 1.5 operations per 1,000 population in the North Central Region to 1.7 in the South Region, and oophorectomy and salpingo-oophorectomy, which varied from 2.1 in the Northeast Region to 2.4 in the North Central Region (table R). Surgical rates for other operations varied considerably among the regions, as for example, diagnostic dilation and curettage of uterus, which ranged from 3.4 in the West Region to 6.3 in the Northeast Region, and dilation of urethra, which ranged from 0.8 in the West Region to 1.6 in the North Central Region.

Surgery by Bed Size of Hospital

Estimates of the number of operations performed in short-stay hospitals during 1975 for

each surgical class and category are shown in table 7 by bed size of the hospital. Percent distributions of these data are provided in table 8.

Almost two-thirds (63 percent) of all operations in 1975 were in the specialties gynecological, abdominal, and orthopedic surgery, otorhinolaryngology, and urological surgery (table 8). As percentages of total operations, these five surgical classes decreased with an increase in bed size of hospital from about 68 percent in hospitals with fewer than 100 beds to about 57 percent in hospitals with 500 beds or more. There was a higher proportion of total operations in the largest hospitals for surgical classes such as ophthalmology, vascular and cardiac surgery, and thoracic surgery.

Approximately 45 percent of all operations

Table R. Rate of all-listed operations for inpatients discharged from short-stay hospitals, by selected surgical categories and geographic region: United States, 1975

[Excludes newborn infants and Federal hospitals]

Surgical category and ICDA code	United States	Geographic region			
		North-east	North Central	South	West
	Rate of operations per 1,000 population				
All operations ¹	95.8	96.4	112.1	83.5	92.2
Biopsy	5.3	5.8	6.4	4.4	4.5
Dilation and curettage of uterus, diagnostic	4.7	6.3	5.5	3.5	3.4
Hysterectomy	3.5	2.7	3.5	3.9	3.7
Tonsillectomy with or without adenoidectomy	3.3	2.7	4.0	3.0	3.4
Repair of inguinal hernia	2.6	2.9	3.0	2.2	2.4
Oophorectomy, salpingo-oophorectomy	2.3	2.1	2.4	2.2	2.2
Cholecystectomy	2.1	2.3	2.4	1.9	1.8
Excision of lesion of skin and subcutaneous tissue	2.1	2.1	2.4	1.9	1.7
Ligation and division of fallopian tubes (bilateral)	1.8	1.8	1.7	2.0	1.4
Operations on muscles, tendons, fascia, and bursa	1.7	1.7	1.9	1.4	2.0
Extraction of lens	1.6	1.6	1.9	1.2	1.8
Cesarean section	1.6	1.6	1.5	1.7	1.5
Appendectomy ²	1.5	1.3	1.7	1.5	1.6
Closed reduction of fracture without fixation	1.5	1.5	1.7	1.3	1.5
Reduction of fracture with fixation	1.4	1.4	1.7	1.2	1.5
Dilation and curettage after delivery or abortion	1.4	1.6	1.6	1.3	1.0
Exploratory laparotomy or celiotomy	1.3	1.3	1.3	1.5	1.2
Prostatectomy	1.3	1.3	1.5	1.1	1.1
Dilation of urethra	1.2	1.0	1.6	1.2	0.8
Partial mastectomy	1.1	1.3	1.2	1.1	0.8
Repair of obstetrical laceration	1.1	1.0	1.0	1.1	1.4
Antepartum procedures to terminate pregnancy	1.1	1.9	1.0	0.5	1.3
Myringotomy	1.1	0.8	1.5	0.8	1.2
Hemorrhoidectomy	1.0	0.9	1.0	1.0	0.8
Plastic repair of cystocele and/or rectocele	0.9	0.8	1.0	1.0	0.9

¹ Includes operations not listed in table.

² Limited to estimated number of appendectomies excluding those performed incidental to other abdominal surgery.

Table S. Percent distribution of all-listed operations for inpatients discharged from short-stay hospitals by bed size of hospital, according to selected surgical categories: United States, 1975

[Excludes newborn infants and Federal hospitals]

Surgical category and ICDA code	All sizes	6-99 beds	100-199 beds	200-299 beds	300-499 beds	500 beds or more
	Percent distribution					
All operations ¹	100.0	13.8	15.2	16.4	29.6	25.0
Biopsy..... A1-A2	100.0	10.9	13.1	16.2	30.8	28.9
Dilation and curettage of uterus, diagnostic..... 70.3	100.0	13.7	17.0	17.6	31.8	19.8
Hysterectomy 69.1-69.5	100.0	14.6	18.8	15.8	26.8	24.1
Tonsillectomy with or without adenoidectomy 21.1-21.2	100.0	20.2	16.3	19.4	29.1	15.0
Repair of inguinal hernia 38.2-38.3	100.0	16.8	16.8	18.0	28.8	19.7
Oophorectomy; salpingo-oophorectomy 67.2-67.5	100.0	14.4	17.8	16.9	27.2	23.7
Cholecystectomy..... 43.5	100.0	19.4	18.3	16.5	25.9	19.9
Excision of lesion of skin and subcutaneous tissue..... 92.1-92.2	100.0	19.3	16.9	14.7	27.9	21.2
Ligation and division of fallopian tubes (bilateral) 68.5	100.0	17.6	17.2	15.4	25.0	24.9
Operations on muscles, tendons, fascia, and bursa 88-89	100.0	12.7	14.2	16.0	33.4	23.7
Extraction of lens 14.4-14.6	100.0	7.0	17.0	15.4	33.8	26.8
Cesarean section 77	100.0	11.1	15.6	15.9	30.8	26.6
Appendectomy ² 41.1	100.0	23.5	15.6	18.1	26.2	16.6
Closed reduction of fracture without fixation..... 82.0	100.0	22.8	16.3	18.6	25.8	16.6
Reduction of fracture with fixation 82.2	100.0	10.7	16.2	19.2	30.8	23.1
Dilation and curettage after delivery or abortion 78.1	100.0	14.9	15.8	15.9	29.4	24.0
Exploratory laparotomy or celiotomy..... 39.1	100.0	14.2	15.5	15.3	29.9	25.1
Prostatectomy 58.1-58.3	100.0	8.2	17.4	16.1	32.4	25.9
Dilation of urethra 57.5	100.0	9.6	20.0	22.2	29.3	19.0
Partial mastectomy..... 65.2	100.0	14.5	14.9	17.5	31.8	21.3
Repair of obstetrical laceration..... 78.2-78.3	100.0	13.0	13.6	15.7	28.5	29.1
Antepartum procedures to terminate pregnancy..... 74.6-74.9	100.0	5.6	18.6	13.1	22.6	40.1
Myringotomy 17.0	100.0	7.0	17.1	19.0	36.8	20.2
Hemorrhoidectomy 51.3	100.0	19.0	16.9	19.1	25.9	19.0
Plastic repair of cystocele and/or rectocele 71.4	100.0	16.2	19.8	16.6	26.0	21.4

¹Includes operations not listed in table.

²Limited to estimated number of appendectomies excluding those performed incidental to other abdominal surgery.

in 1975 were performed in hospitals with fewer than 300 beds and about 55 percent in hospitals with 300 beds or more. As is shown in table S for the most frequently performed surgical procedures, the smaller hospitals (fewer than 300 beds) accounted for more than 45 percent of the total operations for such procedures as tonsillectomy, appendectomy, and closed reduction of fracture without internal fixation. In the larger hospitals (300 beds or more), the proportions of total operations exceeded 55 percent for such surgical procedures as antepartum procedures to

terminate pregnancy, extraction of lens, and biopsy.

AVERAGE LENGTH OF STAY FOR FIRST-LISTED OPERATIONS

Average length of stay was computed for the first-listed operation (the only operation or the first listed of multiple operations) on the face sheets of the medical records. The number of first-listed operations and average lengths of stay are shown for 1975 by sex and surgical category

in table 9 and by age and surgical category in tables 10 and 11.

There were an estimated 20.0 million surgical operations or procedures performed in 1975, of which 14.2 million, or 71 percent, were first-listed operations. However, the percentages that first-listed operations represented of all-listed operations varied by surgical specialty and operation. The percentages were computed from the data for first-listed operations in table 9 compared with the data for all-listed operations in table 1.

First-listed operations for the surgical classes or specialties as percentages of all-listed operations varied from 58 percent for gynecological surgery and 63 percent for biopsy to 93 percent for obstetrical procedures and 85 percent for operations of the thyroid, parathyroid, thymus, and adrenals. Variations in the proportions of

first-listed operations to all-listed operations were even larger among the more detailed surgical categories. First-listed operations represented from 98 to 99 percent of the operations for cesarean section, extraction of lens, and tonsillectomy without adenoidectomy. At the other end of the scale, first-listed operations of oophorectomy and salpingo-oophorectomy accounted for only 13 percent of all such procedures, colporrhaphy for 27 percent, and ileostomy, colostomy, and other enterostomy for 30 percent.

Patients with surgery discharged from short-stay hospitals during 1975 remained in hospitals longer than patients without surgery (table T). This was true by sex and for all age groups, except for patients of ages under 15 years. For age group under 15 years, average length of stay was shorter because almost two-fifths, or 38 percent,

Table T. Average length of stay for inpatients discharged from short-stay hospitals with and without surgery, by number of operations, sex, and age: United States, 1975
[Excludes newborn infants and Federal hospitals]

Sex and age	Total discharges	Total discharges without surgery	Total discharges with surgery	Number of operations		
				One	Two	Three
<u>Total</u>				Average length of stay in days		
All ages	7.7	7.6	7.9	6.9	8.7	12.4
Under 15 years	4.6	4.9	4.1	4.0	4.1	7.5
15-44 years	5.7	5.5	5.9	5.2	6.7	9.2
45-64 years	9.0	8.7	9.4	8.3	10.3	13.6
65 years and over	11.6	10.7	13.5	12.1	15.1	20.8
<u>Male</u>						
All ages	8.2	7.9	8.8	7.6	10.0	17.1
Under 15 years	4.6	4.9	4.3	4.1	4.3	8.1
15-44 years	6.8	6.4	7.3	6.2	8.4	15.0
45-64 years	9.0	8.4	10.0	8.6	11.8	17.4
65 years and over	11.3	10.2	13.6	11.7	15.6	22.7
<u>Female</u>						
All ages	7.4	7.4	7.3	6.5	8.0	10.4
Under 15 years	4.5	5.0	3.9	3.9	3.9	6.4
15-44 years	5.2	5.1	5.4	4.7	6.1	7.6
45-64 years	8.9	8.9	9.0	8.1	9.5	11.9
65 years and over	11.8	11.1	13.5	12.4	14.6	19.2

of the patients with surgery had a first-listed operation in the ICDA class otorhinolaryngology (table 10), for which the average length of stay was only 2.2 days (table 11).

Average length of stay increased with advancing age for patients with and without surgery and by sex, except for females without surgery of age group 15-44 years (table T). For females without surgery average lengths of stay were 5.0 days for under 15 years and 5.1 days for ages 15-44 years, the childbearing years. Average lengths of stay for females of these age groups were about the same because of the large number of patients aged 15-44 years with first-listed diagnoses of uncomplicated deliveries for which average hospital stays were short. Uncomplicated deliveries are shown by HDS with diagnoses but were not counted as operations.

Patients with multiple operations were hospitalized for longer periods of time than patients with single operations. As is shown in table T, the average length of stay was longer for patients with two operations than for patients with a single operation and was longest for patients with three operations by sex and age.

Average lengths of stay in short-stay hospitals for first-listed operations by surgical spe-

cialty were shortest for dental surgery (3.0 days), otorhinolaryngology (3.5 days), and obstetrical procedures (4.2 days). Stays were longest for thoracic surgery (15.1 days), neurosurgery (13.7 days), and vascular and cardiac surgery (11.4 days).

Among the detailed surgical categories, average lengths of stay for first-listed operations were as short as 1.6 days for adenoidectomy without tonsillectomy, 2.0 days for tonsillectomy with adenoidectomy, 2.3 days for resection and recession of eye muscle, and 2.4 days for tonsillectomy without adenoidectomy and also for antepartum procedures to terminate pregnancy. Some of the longest average lengths of stay in short-stay hospitals were for patients operated on for ileostomy, colostomy, and other enterostomy (25.1 days), incision and excision of skull and intracranial structures (24.9 days), skin graft except lip and mouth (22.4 days), lung lobectomy and pneumonectomy (21.2 days), and arthroplasty of hip (20.8 days).

There were many large variations in average length of stay for the surgical classes and categories by sex (table 9) and age (table 11). Average length of stay for most surgical categories was longer for each older age group.



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TABLE 1. NUMBER AND RATE OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND SEX: UNITED STATES, 1975

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
	NUMBER OF ALL-LISTED OPERATIONS IN THOUSANDS			RATE OF ALL-LISTED OPERATIONS PER 100,000 POPULATION		
ALL OPERATIONS.....	20,040	7,379	12,661	9,584.3	7,314.9	11,700.0
NEUROSURGERY.....01-05	348	174	174	166.5	172.7	160.8
INCISION AND EXCISION OF SKULL AND INTRACRANIAL STRUCTURES.....01	55	30	26	26.4	29.4	23.6
LAMINECTOMY.....03.0	31	19	12	14.6	18.5	10.9
OPERATIONS ON PERIPHERAL NERVES.....04	180	80	101	86.3	78.9	93.2
OTHER NEUROSURGERY.....RESIDUAL	82	46	36	39.2	45.8	33.1
OPHTHALMOLOGY.....06-14	758	334	424	362.7	331.5	391.9
RESECTION AND RECESSION OF EYE MUSCLE.....10.5-10.6	83	42	41	39.7	41.6	37.9
REATTACHMENT OF RETINA.....13.4-13.5	28	14	14	13.5	14.3	12.7
EXTRACTION OF LENS.....14.4-14.6	333	132	200	159.0	131.2	184.9
OTHER EYE SURGERY.....RESIDUAL	315	146	169	150.5	144.3	156.3
OTORHINOLARYNGOLOGY.....16-21	1,742	839	903	833.1	832.1	834.1
MYRINGOTOMY.....17.0	220	119	101	105.3	118.4	93.1
STAPEDECTOMY WITH OSSICULAR RECONSTRUCTION.....17.4	27	10	16	12.9	10.4	15.2
TYMPANOPLASTY.....17.6-17.7	72	30	42	34.6	30.1	38.7
EXCISION OF LESION OF NOSE.....19.0	46	25	23	22.8	24.8	21.0
SECTION OF NASAL SEPTUM.....19.1	70	28	42	33.3	27.7	38.6
RHINOPLASTY AND REPAIR OF NOSE.....19.3	166	72	94	79.5	71.5	87.0
TRACHECTOMY OR TRACHEOSTOMY, EMERGENCY.....20.5	43	31	12	20.4	30.4	11.2
TONSILLECTOMY WITHOUT ADENOIDECTOMY.....21.1	221	67	154	105.8	66.9	142.1
TONSILLECTOMY WITH ADENOIDECTOMY.....21.2	464	230	234	222.0	227.8	216.6
ADENOIDECTOMY WITHOUT TONSILLECTOMY.....21.3	73	39	34	35.1	38.7	31.7
OTHER OPERATIONS ON EARS, NOSE, AND THROAT..RESIDUAL	337	187	150	161.3	185.4	138.8
OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....22-23	101	18	83	48.4	17.9	76.9
THYROIDECTOMY.....22.1-22.2	81	11	69	38.6	11.1	64.2
OTHER OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....RESIDUAL	21	7	14	9.8	6.8	12.7
VASCULAR AND CARDIAC SURGERY.....24-30	888	523	365	424.6	518.4	337.2
EXCISION AND LIGATION OF VARICOSE VEINS.....24.4	95	28	67	45.3	27.3	62.0
OTHER OPERATIONS ON PERIPHERAL BLOOD VESSELS.....24.0-24.3,24.5-24.9	130	79	52	62.2	77.9	47.7
INCISION AND EXCISION OF LYMPHATIC STRUCTURE.....25.0-25.2	67	36	32	32.1	35.2	29.1
OPERATIONS ON VALVES OF HEART.....29.2-29.4	23	12	11	11.0	11.6	10.3
CARDIAC REVASCULARIZATION.....29.8	57	45	12	27.2	44.8	10.8
CARDIAC CATHETERIZATION.....30.2	189	125	64	90.4	124.2	58.9
INSERTION OR REPLACEMENT OF ELECTRIC HEART DEVICE.....30.4-30.5	96	51	44	45.7	50.7	41.1
OTHER VASCULAR AND CARDIAC SURGERY.....RESIDUAL	232	148	84	110.7	146.7	77.2
THORACIC SURGERY.....32-35	271	151	120	129.7	149.3	111.3
THORACOTOMY AND PLEUROTOMY.....32.0	74	48	26	35.4	47.5	24.1
LUNG LOBECTOMY AND PNEUMONECTOMY.....34.2-34.4	39	23	16	18.5	23.0	14.3
OTHER THORACIC SURGERY.....RESIDUAL	158	79	79	75.7	78.8	72.9
ABDOMINAL SURGERY.....38-48	2,894	1,403	1,492	1,384.3	1,390.5	1,378.5
REPAIR OF INGUINAL HERNIA.....38.2-38.3	549	484	65	262.6	479.8	60.2
OTHER HERNIA REPAIR.....38.0-38.1,38.4-38.9	239	87	151	114.2	86.6	139.9
EXPLORATORY LAPAROTOMY OR CELIOTOMY.....39.1	281	92	189	134.6	91.3	175.0
APPENDECTOMY.....41.1	319	160	159	152.5	158.4	147.0
CHOLECYSTECTOMY.....43.5	442	105	337	211.4	104.2	311.4
SPLENECTOMY.....45.1	36	20	16	17.2	19.7	14.9
GASTRIC RESECTION, PARTIAL OR COMPLETE.....46.2-46.3	56	32	23	26.6	32.0	21.4
VAGOTOMY.....46.8	53	32	21	25.3	32.0	19.0
RESECTION OF SMALL INTESTINE OR COLON.....47.4-47.6	153	71	82	73.0	70.3	75.5
ILEOSTOMY, COLOSTOMY, AND OTHER ENTEROSTOMY.....47.7-47.9	70	35	35	33.4	35.0	31.9
OTHER ABDOMINAL SURGERY.....RESIDUAL	697	284	414	333.5	281.1	382.3

SEE FOOTNOTES AT END OF TABLE.

TABLE 1. NUMBER AND RATE OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND SEX: UNITED STATES, 1975--CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
	NUMBER OF ALL-LISTED OPERATIONS IN THOUSANDS			RATE OF ALL-LISTED OPERATIONS PER 100,000 POPULATION		
PROCTOLOGICAL SURGERY.....50-52	575	316	259	274.9	313.1	239.4
LOCAL EXCISION AND DESTRUCTION OF LESION OF RECTUM AND ANUS.....50.2-51.2	139	81	58	66.3	80.0	53.4
HEMORRHOIDECTOMY.....51.3	201	105	96	96.3	104.2	89.0
EXCISION OF PILONIDAL SINUS OR CYST.....52.1	66	40	26	31.4	39.5	23.9
OTHER PROCTOLOGICAL SURGERY.....RESIDUAL	169	90	79	80.9	89.3	73.1
UROLOGICAL SURGERY.....54-61	1,575	1,113	462	753.4	1,103.7	426.9
NEPHROTOMY AND PYELOTOMY.....54.0-54.1	33	19	14	15.6	18.5	13.0
NEPHRECTOMY.....54.4-54.5	34	18	17	16.4	17.4	15.5
PASSAGE OF CATHETER TO KIDNEY.....55.7	81	47	33	38.6	46.7	30.9
LOCAL EXCISION AND DESTRUCTION OF LESION OF BLADDER.....56.1-56.2	105	69	35	50.0	68.6	32.6
REMOVAL OF CALCULUS AND DRAINAGE OF BLADDER WITHOUT INCISION.....56.8	31	18	13	14.9	18.3	11.8
MEATOTOMY (URETHRAL).....57.1	63	47	17	30.2	46.2	15.4
EXCISION OR DESTRUCTION OF LESION OF URETHRA....57.2	22	7	15	10.6	7.0	14.0
DILATION OF URETHRA.....57.5	250	92	158	119.6	91.1	146.3
PROSTATECTOMY.....58.1-58.3	266	266	...	127.1	263.5	...
EXCISION OF HYDROCELE AND HEMATOCELE.....59.1	73	73	...	34.9	72.4	...
ORCHIOPEXY.....59.7	31	31	...	14.6	30.3	...
VASECTOMY.....60.1	52	52	...	24.8	51.3	...
CIRCUMCISION.....61.2	111	111	...	52.9	109.7	...
OTHER UROLOGICAL SURGERY.....RESIDUAL	424	265	159	203.0	262.6	147.4
BREAST SURGERY.....65	417	23	394	199.4	22.9	364.0
PARTIAL MASTECTOMY.....65.2	228	5	223	109.2	5.0	206.4
COMPLETE AND RADICAL MASTECTOMY.....65.3-65.6	111	9	103	53.3	8.7	94.8
OTHER BREAST SURGERY.....RESIDUAL	77	9	68	36.9	9.2	62.8
GYNECOLOGICAL SURGERY.....67-72	3,893	...	3,893	1,861.7	...	3,597.2
LOCAL EXCISION OR DESTRUCTION OF LESION OF OVARY.....67.1	79	...	79	37.7	...	72.9
OOPHORECTOMY; SALPINGO-OOPHORECTOMY.....67.2-67.5	471	...	471	225.1	...	435.0
SALPINGECTOMY, BILATERAL.....68.2	175	...	175	83.8	...	161.9
LIGATION AND DIVISION OF FALLOPIAN TUBES (BILATERAL).....68.5	368	...	368	176.2	...	340.4
HYSTERECTOMY.....69.1-69.5	725	...	725	346.9	...	670.4
LOCAL EXCISION AND DESTRUCTION OF OTHER LESIONS OF UTERUS, CERVIX, AND SUPPORTING TISSUES.....70.2	133	...	133	63.8	...	123.2
DILATION AND CURETTAGE OF UTERUS, DIAGNOSTIC.....70.3	977	...	977	467.2	...	902.8
TRACHELECTOMY.....70.4	108	...	108	51.6	...	99.7
COLPORRHAPHY.....71.3	48	...	48	22.8	...	44.0
PLASTIC REPAIR OF CYSTOCELE AND/OR RECTOCELE....71.4	196	...	196	93.6	...	180.9
OTHER GYNECOLOGICAL SURGERY.....RESIDUAL	613	...	613	293.0	...	566.1
2/ OBSTETRICAL PROCEDURES.....74-78	1,254	...	1,254	599.6	...	1,158.6
ANTEPARTUM PROCEDURES TO TERMINATE PREGNANCY.....74.6-74.9	227	...	227	108.6	...	209.8
CESAREAN SECTION.....77	328	...	328	156.9	...	303.2
DILATION AND CURETTAGE AFTER DELIVERY OR ABORTION.....78.1	291	...	291	139.4	...	269.3
REPAIR OF LACERATION.....78.2-78.3	227	...	227	108.6	...	209.9
OTHER OBSTETRICAL PROCEDURES.....RESIDUAL	180	...	180	86.2	...	166.5

SEE FOOTNOTES AT END OF TABLE.

TABLE 1. NUMBER AND RATE OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND SEX: UNITED STATES, 1975--CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
	NUMBER OF ALL-LISTED OPERATIONS IN THOUSANDS			RATE OF ALL-LISTED OPERATIONS PER 100,000 POPULATION		
ORTHOPEDIC SURGERY.....80-90	2,598	1,342	1,256	1,242.4	1,329.9	1,160.9
INCISION AND DIVISION OF BONES.....80.0-80.3	83	30	53	39.5	29.5	48.9
EXCISION OF BONE, PARTIAL.....80.4	162	69	94	77.7	68.3	86.5
REMOVAL OF FIXATION DEVICE (INTERNAL).....80.8	81	41	40	38.9	41.0	36.9
CLOSED REDUCTION OF FRACTURE WITHOUT FIXATION.....82.0	308	167	141	147.5	165.9	130.4
OPEN REDUCTION OF FRACTURE WITHOUT FIXATION.....82.1	82	54	28	39.1	53.2	26.0
REDUCTION OF FRACTURE WITH FIXATION.....82.2	298	127	170	142.3	126.3	157.2
EXCISION OF INTERVERTEBRAL CARTILAGE (PROLAPSED DISK).....86.4	149	88	62	71.3	86.7	56.9
EXCISION OF SEMILUNAR CARTILAGE OF KNEE JOINT.....86.5	154	110	43	73.6	109.3	40.2
ARTHROPLASTY OF HIP.....87.0	60	25	35	28.7	25.1	32.1
REPAIR AND PLASTIC OPERATIONS ON JOINTS OF FOOT AND TOES.....87.2	117	20	97	56.0	19.9	89.7
REPAIR AND PLASTIC OPERATIONS ON OTHER JOINTS.....87.3	100	60	40	47.8	59.3	37.0
SPINAL FUSION.....87.4	53	31	22	25.5	30.9	20.4
ARTHRODESIS AND STABILIZATION OF JOINTS (EXCEPT SPINE).....87.5-87.6	34	15	19	16.1	15.0	17.1
CLOSED REDUCTION OF DISLOCATION OF JOINT.....87.7	31	19	12	14.8	18.6	11.2
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....88-89	360	178	182	172.3	176.8	168.0
OTHER ORTHOPEDIC SURGERY.....RESIDUAL	526	307	219	251.3	303.9	202.3
PLASTIC SURGERY.....92-94	1,038	541	497	496.3	535.9	459.3
INCISION OF SKIN AND SUBCUTANEOUS TISSUE.....92.0	123	76	47	58.9	75.1	43.8
EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSUE.....92.1-92.2	435	198	237	208.0	196.4	218.9
SUTURE OF SKIN OR MUCOUS MEMBRANE.....92.5	192	133	59	91.7	131.5	54.5
PLASTIC OPERATIONS ON LIP AND MOUTH.....93.1	17	8	9	8.4	8.4	8.4
SKIN GRAFT EXCEPT LIP AND MOUTH.....93.2-93.6	130	82	48	61.9	81.2	44.0
OTHER PLASTIC SURGERY.....RESIDUAL	141	44	97	67.4	43.4	89.8
ORAL AND MAXILLOFACIAL SURGERY.....95-98	183	96	87	87.7	95.6	80.3
EXCISION OF SALIVARY GLANDS, LOCAL OR TOTAL.....95.1	31	14	18	15.0	13.7	16.3
REDUCTION OF FRACTURE AND FRACTURE- DISLOCATION OF JAWBONE.....98	55	40	15	26.4	39.6	14.1
OTHER ORAL AND MAXILLOFACIAL SURGERY.....RESIDUAL	97	43	54	46.3	42.3	49.9
DENTAL SURGERY.....99	398	154	244	190.2	152.3	225.6
EXTRACTION OF TOOTH, FORCEPS EXTRACTION.....99.3	133	54	78	63.4	53.9	72.3
SURGICAL REMOVAL OF TOOTH.....99.4	150	51	99	71.7	50.3	91.7
ALVEOLOPLASTY.....99.7	49	21	28	23.7	20.9	26.2
OTHER DENTAL SURGERY.....RESIDUAL	66	27	38	31.4	27.2	35.4
BIOPSY.....A1-A2	1,107	352	754	529.2	349.2	697.1

1/ LIMITED TO ESTIMATED NUMBER OF APPENDECTOMIES EXCLUDING THOSE PERFORMED INCIDENTAL TO OTHER ABDOMINAL SURGERY.
2/ EXCLUDES SOME OBSTETRICAL PROCEDURES (ICDA CODES 75.0-75.6 AND 75.9) FOR INDUCING OR ASSISTING DELIVERY.

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

TABLE 2. NUMBER OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND AGE: UNITED STATES, 1975

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER
NUMBER OF ALL-LISTED OPERATIONS IN THOUSANDS					
ALL OPERATIONS.....	20,040	2,168	9,257	5,317	3,299
NEUROSURGERY.....01-05	348	28	131	131	58
INCISION AND EXCISION OF SKULL AND INTRACRANIAL STRUCTURES.....01	55	10	16	19	10
LAMINECTOMY.....03.0	31	*0	13	13	5
OPERATIONS ON PERIPHERAL NERVES.....04	180	5	78	74	23
OTHER NEUROSURGERY.....RESIDUAL	82	12	25	25	20
OPHTHALMOLOGY.....06-14	758	103	123	198	334
RESECTION AND RESECTION OF EYE MUSCLE.....10.5-10.6	83	56	20	6	*1
REATTACHMENT OF RETINA.....13.4-13.5	28	*1	8	12	8
EXTRACTION OF LENS.....14.4-14.6	333	*1	10	84	238
OTHER EYE SURGERY.....RESIDUAL	315	45	84	97	88
OTORHINOLARYNGOLOGY.....16-21	1,742	842	625	197	78
MYRINGOTOMY.....17.0	220	201	12	6	*1
STAPEDECTOMY WITH OSSICULAR RECONSTRUCTION.....17.4	27	*1	11	13	*2
TYMPANOPLASTY.....17.6-17.7	72	16	36	17	*3
EXCISION OF LESION OF NOSE.....19.0	48	*4	14	19	11
SECTION OF NASAL SEPTUM.....19.1	70	*3	55	11	*1
RHINOPLASTY AND REPAIR OF NOSE.....19.3	166	6	123	30	7
TRACHEOTOMY OR TRACHEOSTOMY, EMERGENCY.....20.5	43	*3	9	16	15
TONSILLECTOMY WITHOUT ADENOIDECTOMY.....21.1	221	45	171	5	*1
TONSILLECTOMY WITH ADENOIDECTOMY.....21.2	464	426	38	*0	*0
ADENOIDECTOMY WITHOUT TONSILLECTOMY.....21.3	73	72	*1	-	*0
OTHER OPERATIONS ON EARS, NOSE, AND THROAT..RESIDUAL	337	65	155	79	37
OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....22-23	101	*4	46	41	10
THYROIDECTOMY.....22.1-22.2	81	*2	39	32	8
OTHER OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....RESIDUAL	21	*2	7	9	*3
VASCULAR AND CARDIAC SURGERY.....24-30	888	55	176	406	251
EXCISION AND LIGATION OF VARICOSE VEINS.....24.4	95	*0	43	43	8
OTHER OPERATIONS ON PERIPHERAL BLOOD VESSELS.....24.0-24.3,24.5-24.9	130	*4	27	55	44
INCISION AND EXCISION OF LYMPHATIC STRUCTURE.....25.0-25.2	67	8	23	21	15
OPERATIONS ON VALVES OF HEART.....29.2-29.4	23	*2	6	12	*3
CARDIAC REVASCULARIZATION.....29.8	57	*0	7	42	8
CARDIAC CATHETERIZATION.....30.2	189	21	41	107	20
INSERTION OR REPLACEMENT OF ELECTRIC HEART DEVICE.....30.4-30.5	96	-	*2	24	69
OTHER VASCULAR AND CARDIAC SURGERY.....RESIDUAL	232	19	27	102	83
THORACIC SURGERY.....32-35	271	11	77	103	80
THORACOTOMY AND PLEUROTOMY.....32.0	74	*3	27	28	16
LUNG LOBECTOMY AND PNEUMONECTOMY.....34.2-34.4	39	*0	6	22	11
OTHER THORACIC SURGERY.....RESIDUAL	158	8	44	54	53
ABDOMINAL SURGERY.....38-48	2,894	311	961	923	700
REPAIR OF INGUINAL HERNIA.....38.2-38.3	549	115	133	180	120
OTHER HERNIA REPAIR.....38.0-38.1,38.4-38.9	239	31	60	93	54
EXPLORATORY LAPAROTOMY OR CELIOTOMY.....39.1	281	19	129	71	62
1/ APPENDECTOMY.....41.1	319	101	176	31	11
CHOLECYSTECTOMY.....43.5	442	*2	168	167	106
SPLENECTOMY.....45.1	36	*3	14	10	9
GASTRIC RESECTION, PARTIAL OR COMPLETE.....46.2-46.3	56	*0	11	26	18
VAGOTOMY.....46.8	53	*0	19	23	11
RESECTION OF SMALL INTESTINE OR COLON.....47.4-47.6	153	*3	24	52	74
ILEOSTOMY, COLOSTOMY, AND OTHER ENTEROSTOMY.....47.7-47.9	70	*1	10	25	34
OTHER ABDOMINAL SURGERY.....RESIDUAL	697	34	218	245	200

SEE FOOTNOTES AT END OF TABLE.

TABLE 2. NUMBER OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND AGE: UNITED STATES, 1975—CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER
NUMBER OF ALL-LISTED OPERATIONS IN THOUSANDS					
PROCTOLOGICAL SURGERY.....50-52	575	10	293	202	70
LOCAL EXCISION AND DESTRUCTION OF					
LESION OF RECTUM AND ANUS.....50.2,51.2	139	*4	61	50	24
HEMORRHOIDECTOMY.....51.3	201	*1	97	84	20
EXCISION OF PILONIDAL SINUS OR CYST.....52.1	66	*1	59	5	*0
OTHER PROCTOLOGICAL SURGERY.....RESIDUAL	169	*4	76	64	26
UROLOGICAL SURGERY.....54-61	1,575	246	392	421	517
NEPHROTOMY AND PYELOTOMY.....54.0-54.1	33	*1	12	12	7
NEPHRECTOMY.....54.4-54.5	34	*2	10	15	8
PASSAGE OF CATHETER TO KIDNEY.....55.7	81	*3	31	30	17
LOCAL EXCISION AND DESTRUCTION OF					
LESION OF BLADDER.....56.1-56.2	105	*1	12	27	65
REMOVAL OF CALCULUS AND DRAINAGE OF					
BLADDER WITHOUT INCISION.....56.8	31	*0	11	8	12
MEATOTOMY (URETHRAL).....57.1	63	31	9	11	12
EXCISION OR DESTRUCTION OF LESION OF URETHRA.....57.2	22	*2	8	6	7
DILATION OF URETHRA.....57.5	250	50	71	61	68
PROSTATECTOMY.....58.1-58.3	266	*1	*1	77	187
EXCISION OF HYDROCELE AND HEMATOCELE.....59.1	73	31	15	16	11
ORCHIOPEXY.....59.7	31	24	6	*0	*0
VASECTOMY.....60.1	52	*0	21	13	18
CIRCUMCISION.....61.2	111	52	39	13	7
OTHER UROLOGICAL SURGERY.....RESIDUAL	424	47	146	133	99
BREAST SURGERY.....65	417	6	190	153	68
PARTIAL MASTECTOMY.....65.2	228	*4	122	80	22
COMPLETE AND RADICAL MASTECTOMY.....65.3-65.6	111	*1	15	54	41
OTHER BREAST SURGERY.....RESIDUAL	77	*2	53	18	*4
GYNECOLOGICAL SURGERY.....67-72	3,893	26	2,670	1,009	187
LOCAL EXCISION OR DESTRUCTION OF					
LESION OF OVARY.....67.1	79	*1	69	5	*4
OOPHORECTOMY; SALPINGO-OOPHORECTOMY.....67.2-67.5	471	*3	253	187	28
SALPINGECTOMY, BILATERAL.....68.2	175	*0	166	8	*1
LIGATION AND DIVISION OF FALLOPIAN					
TUBES (BILATERAL).....68.5	368	*0	362	5	*0
HYSTERECTOMY.....69.1-69.5	725	*2	435	249	40
LOCAL EXCISION AND DESTRUCTION OF					
OTHER LESIONS OF UTERUS, CERVIX,					
AND SUPPORTING TISSUES.....70.2	133	*1	88	38	7
DILATION AND CURETTAGE OF UTERUS, DIAGNOSTIC.....70.3	977	*3	626	304	45
TRACHELECTOMY.....70.4	108	*0	78	23	6
COLPORRHAPHY.....71.3	48	*1	28	14	*4
PLASTIC REPAIR OF CYSTOCELE AND/OR RECTOCELE.....71.4	196	*1	77	91	27
OTHER GYNECOLOGICAL SURGERY.....RESIDUAL	613	13	487	86	26
2/ OBSTETRICAL PROCEDURES.....74-78	1,254	12	1,238	*4	...
ANTEPARTUM PROCEDURES TO TERMINATE					
PREGNANCY.....74.6-74.9	227	5	222	*1	...
CESAREAN SECTION.....77	328	*2	325	*1	...
DILATION AND CURETTAGE AFTER DELIVERY					
OR ABORTION.....78.1	291	*2	288	*1	...
REPAIR OF LACERATION.....78.2-78.3	227	*2	225	*0	...
OTHER OBSTETRICAL PROCEDURES.....RESIDUAL	180	*2	178	*0	...

SEE FOOTNOTES AT END OF TABLE.

TABLE 2. NUMBER OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND AGE: UNITED STATES, 1975—CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER
NUMBER OF ALL-LISTED OPERATIONS IN THOUSANDS					
ORTHOPEDIC SURGERY.....80-90	2,598	268	1,157	722	451
INCISION AND DIVISION OF BONES.....80.0-80.3	83	8	36	29	9
EXCISION OF BONE, PARTIAL.....80.4	162	12	76	58	18
REMOVAL OF FIXATION DEVICE (INTERNAL).....80.8	81	7	38	20	16
CLOSED REDUCTION OF FRACTURE WITHOUT FIXATION...82.0	308	98	102	56	53
OPEN REDUCTION OF FRACTURE WITHOUT FIXATION...82.1	82	9	45	16	12
REDUCTION OF FRACTURE WITH FIXATION.....82.2	298	15	85	57	142
EXCISION OF INTERVERTEBRAL CARTILAGE (PROLAPSED DISK).....86.4	149	*1	79	65	*4
EXCISION OF SEMILUNAR CARTILAGE OF KNEE JOINT...86.5	154	5	114	31	*4
ARTHROPLASTY OF HIP.....87.0	60	*0	5	24	31
REPAIR AND PLASTIC OPERATIONS ON JOINTS OF FOOT AND TOES.....87.2	117	*3	46	48	20
REPAIR AND PLASTIC OPERATIONS ON OTHER JOINTS...87.3	100	*3	53	28	17
SPINAL FUSION.....87.4	53	*2	29	21	*1
ARTHRODESIS AND STABILIZATION OF JOINTS (EXCEPT SPINE).....87.5-87.6	34	*2	16	11	5
CLOSED REDUCTION OF DISLOCATION OF JOINT.....87.7	31	*4	15	7	5
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....88-89	360	45	178	108	28
OTHER ORTHOPEDIC SURGERY.....RESIDUAL	526	54	242	145	86
PLASTIC SURGERY.....92-94	1,038	151	454	276	157
INCISION OF SKIN AND SUBCUTANEOUS TISSUE.....92.0	123	22	59	28	14
EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSUE.....92.1-92.2	435	47	166	140	82
SUTURE OF SKIN OR MUCOUS MEMBRANE.....92.5	192	30	111	30	20
PLASTIC OPERATIONS ON LIP AND MOUTH.....93.1	17	7	6	*3	*2
SKIN GRAFT EXCEPT LIP AND MOUTH.....93.2-93.6	130	23	51	31	26
OTHER PLASTIC SURGERY.....RESIDUAL	141	22	60	45	13
ORAL AND MAXILLOFACIAL SURGERY.....95-98	183	24	94	45	21
EXCISION OF SALIVARY GLANDS, LOCAL OR TOTAL.....95.1	31	*1	11	12	7
REDUCTION OF FRACTURE AND FRACTURE-DISLOCATION OF JAWBONE.....98	55	5	43	6	*2
OTHER ORAL AND MAXILLOFACIAL SURGERY.....RESIDUAL	97	18	40	27	13
DENTAL SURGERY.....99	398	42	256	80	20
EXTRACTION OF TOOTH, FORCEPS EXTRACTION.....99.3	133	12	81	28	11
SURGICAL REMOVAL OF TOOTH.....99.4	150	10	121	16	*4
ALVEOLOPLASTY.....99.7	49	*1	24	20	5
OTHER DENTAL SURGERY.....RESIDUAL	66	19	30	15	*1
BIOPSY.....A1-A2	1,107	29	374	408	296

1/ LIMITED TO ESTIMATED NUMBER OF APPENDECTOMIES EXCLUDING THOSE PERFORMED INCIDENTAL TO OTHER ABDOMINAL SURGERY.
2/ EXCLUDES SOME OBSTETRICAL PROCEDURES (ICDA CODES 75.0-75.6 AND 75.9) FOR INDUCING OR ASSISTING DELIVERY.

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

TABLE 3. RATE OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND AGE: UNITED STATES, 1975

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER
RATE OF ALL-LISTED OPERATIONS PER 100,000 POPULATION					
ALL OPERATIONS.....	9,584.3	4,050.4	10,153.9	12,334.3	15,482.4
NEUROSURGERY.....01-05	166.5	52.4	144.1	304.3	270.6
INCISION AND EXCISION OF SKULL AND INTRACRANIAL STRUCTURES.....01	26.4	19.1	17.1	44.7	48.0
LAMINECTOMY.....03.0	14.6	*0.7	13.9	29.4	22.6
OPERATIONS ON PERIPHERAL NERVES.....04	86.3	9.4	86.0	171.4	108.3
OTHER NEUROSURGERY.....RESIDUAL	39.2	23.3	27.1	58.7	91.7
OPHTHALMOLOGY.....06-14	362.7	193.0	134.6	460.0	1,568.7
RESECTION AND RESECTION OF EYE MUSCLE.....10.5-10.6	39.7	103.9	22.2	13.8	*5.9
REATTACHMENT OF RETINA.....13.4-13.5	13.5	*2.0	8.7	26.7	35.9
EXTRACTION OF LENS.....14.4-14.6	159.0	*2.2	11.0	194.2	1,115.2
OTHER EYE SURGERY.....RESIDUAL	150.5	84.9	92.7	225.2	411.8
OTORHINOLARYNGOLOGY.....16-21	833.1	1,573.1	685.7	456.3	367.7
MYRINGOTOMY.....17.0	105.3	375.8	13.3	13.3	*5.8
STAPEDECTOMY WITH OSSICULAR RECONSTRUCTION.....17.4	12.9	*2.6	12.1	29.5	*8.3
TYMPANOPLASTY.....17.6-17.7	34.6	29.7	39.3	39.8	*16.0
EXCISION OF LESION OF NOSE.....19.0	22.8	*7.7	15.3	43.4	51.8
SECTION OF NASAL SEPTUM.....19.1	33.3	*5.1	60.3	26.1	*3.4
RHINOPLASTY AND REPAIR OF NOSE.....19.3	79.5	11.1	134.7	70.7	33.0
TRACHEOTOMY OR TRACHEOSTOMY, EMERGENCY.....20.5	20.4	*5.7	9.5	36.8	71.0
TONSILLECTOMY WITHOUT ADENOIDECTOMY.....21.1	105.8	83.8	187.4	11.4	*2.6
TONSILLECTOMY WITH ADENOIDECTOMY.....21.2	222.0	795.3	41.5	*1.1	*1.3
ADENOIDECTOMY WITHOUT TONSILLECTOMY.....21.3	35.1	134.2	*1.6	-	*0.6
OTHER OPERATIONS ON EARS, NOSE, AND THROAT..RESIDUAL	161.3	121.9	170.6	184.2	174.1
OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....22-23	48.4	*7.0	50.6	95.1	48.5
THYROIDECTOMY.....22.1-22.2	38.6	*2.8	43.0	74.8	36.1
OTHER OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....RESIDUAL	9.8	*4.2	7.6	20.3	*12.3
VASCULAR AND CARDIAC SURGERY.....24-30	424.6	103.3	193.5	941.1	1,175.8
EXCISION AND LIGATION OF VARICOSE VEINS.....24.4	45.3	*0.3	47.4	100.0	38.5
OTHER OPERATIONS ON PERIPHERAL BLOOD VESSELS.....24.0-24.3,24.5-24.9	62.2	*8.3	29.4	126.9	207.2
INCISION AND EXCISION OF LYMPHATIC STRUCTURE.....25.0-25.2	32.1	15.8	25.6	47.6	69.2
OPERATIONS ON VALVES OF HEART.....29.2-29.4	11.0	*4.0	6.4	27.0	*15.1
CARDIAC REVASCULARIZATION.....29.8	27.2	*0.3	7.3	98.4	36.1
CARDIAC CATHETERIZATION.....30.2	90.4	40.0	44.7	247.7	94.2
INSERTION OR REPLACEMENT OF ELECTRIC HEART DEVICE.....30.4-30.5	45.7	-	*2.6	55.9	324.5
OTHER VASCULAR AND CARDIAC SURGERY.....RESIDUAL	110.7	34.7	29.9	237.4	391.0
THORACIC SURGERY.....32-35	129.7	20.4	84.1	239.9	376.1
THORACOTOMY AND PLEUROTOMY.....32.0	35.4	*5.4	30.1	64.9	73.9
LUNG LOBECTOMY AND PNEUMONECTOMY.....34.2-34.4	18.5	*0.8	6.1	49.9	52.6
OTHER THORACIC SURGERY.....RESIDUAL	75.7	14.2	47.9	125.1	249.6
ABDOMINAL SURGERY.....38-48	1,384.3	580.8	1,054.3	2,140.0	3,285.3
REPAIR OF INGUINAL HERNIA.....38.2-38.3	262.6	215.0	146.1	418.7	565.2
OTHER HERNIA REPAIR.....38.0-38.1,38.4-38.9	114.2	58.1	65.8	216.4	255.5
EXPLORATORY LAPAROTOMY OR CELIOTOMY.....39.1	134.6	36.1	141.6	165.7	289.4
I/ APPENDECTOMY.....41.1	152.5	189.0	193.1	71.0	51.8
CHOLECYSTECTOMY.....43.5	211.4	*3.6	184.1	386.6	496.0
SPLENECTOMY.....45.1	17.2	*6.5	15.2	22.1	42.6
GASTRIC RESECTION, PARTIAL OR COMPLETE.....46.2-46.3	26.6	*0.2	12.3	59.8	86.5
VAGOTOMY.....46.8	25.3	*0.2	20.6	53.6	50.8
RESECTION OF SMALL INTESTINE OR COLON.....47.4-47.6	73.0	*4.9	26.5	120.0	347.7
ILEOSTOMY, COLOSTOMY, AND OTHER ENTEROSTOMY.....47.7-47.9	33.4	*2.7	10.5	57.3	160.7
OTHER ABDOMINAL SURGERY.....RESIDUAL	333.5	64.4	238.7	568.7	939.1

SEE FOOTNOTES AT END OF TABLE.

TABLE 3. RATE OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND AGE: UNITED STATES, 1975--CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER
RATE OF ALL-LISTED OPERATIONS PER 100,000 POPULATION					
PROCTOLOGICAL SURGERY.....50-52	274.9	17.9	321.7	468.1	330.0
LOCAL EXCISION AND DESTRUCTION OF LESION OF RECTUM AND ANUS.....50.2,51.2	66.3	*6.9	67.2	114.8	113.3
HEMORRHOIDECTOMY.....51.3	96.3	*1.5	105.9	194.3	95.3
EXCISION OF PILONIDAL SINUS OR CYST.....52.1	31.4	*2.2	65.2	11.1	*1.5
OTHER PROCTOLOGICAL SURGERY.....RESIDUAL	80.9	*7.3	83.5	147.8	119.9
UROLOGICAL SURGERY.....54-61	753.4	459.8	429.5	975.8	2,427.1
NEPHROTOMY AND PYELOTOMY.....54.0-54.1	15.6	*2.4	13.6	27.8	33.1
NEPHRECTOMY.....54.4-54.5	16.4	*4.0	10.5	34.3	37.1
PASSAGE OF CATHETER TO KIDNEY.....55.7	38.6	*6.0	33.5	69.8	78.7
LOCAL EXCISION AND DESTRUCTION OF LESION OF BLADDER.....56.1-56.2	50.0	*1.6	13.5	61.7	304.2
REMOVAL OF CALCULUS AND DRAINAGE OF BLADDER WITHOUT INCISION.....56.8	14.9	*0.5	11.8	19.3	55.4
MEATOTOMY (URETHRAL).....57.1	30.2	58.7	9.5	26.2	55.5
EXCISION OR DESTRUCTION OF LESION OF URETHRA.....57.2	10.6	*3.6	8.5	13.7	31.4
DILATION OF URETHRA.....57.5	119.6	93.3	78.4	141.2	318.6
PROSTATECTOMY.....58.1-58.3	127.1	*1.2	*1.1	178.0	879.4
EXCISION OF HYDROCELE AND HEMATOCELE.....59.1	34.9	58.7	16.4	36.0	52.5
ORCHIOPEXY.....59.7	14.6	44.9	6.8	*0.4	*0.5
VASECTOMY.....60.1	24.8	*0.3	23.2	29.2	84.1
CIRCUMCISION.....61.2	52.9	97.5	43.0	29.7	30.5
OTHER UROLOGICAL SURGERY.....RESIDUAL	203.0	87.1	159.6	308.6	465.7
BREAST SURGERY.....65	199.4	11.7	208.8	354.6	317.0
PARTIAL MASTECTOMY.....65.2	109.2	*6.8	133.9	186.6	104.7
COMPLETE AND RADICAL MASTECTOMY.....65.3-65.6	53.3	*1.8	16.6	125.6	192.9
OTHER BREAST SURGERY.....RESIDUAL	36.9	*3.1	58.2	42.4	*19.5
GYNECOLOGICAL SURGERY.....67-72	1,861.7	48.4	2,929.1	2,341.0	878.5
LOCAL EXCISION OR DESTRUCTION OF LESION OF OVARY.....67.1	37.7	*2.4	76.2	10.5	*16.6
OPHORECTOMY; SALPINGO-OPHORECTOMY.....67.2-67.5	225.1	*5.1	277.3	434.5	130.9
SALPINGECTOMY, BILATERAL.....68.2	83.8	*0.3	182.5	18.2	*3.6
LIGATION AND DIVISION OF FALLOPIAN TUBES (BILATERAL).....68.5	176.2	*0.7	397.4	12.8	*1.1
HYSTERECTOMY.....69.1-69.5	346.9	*2.9	477.1	577.2	188.2
LOCAL EXCISION AND DESTRUCTION OF OTHER LESIONS OF UTERUS, CERVIX, AND SUPPORTING TISSUES.....70.2	63.8	*1.0	96.7	87.2	32.8
DILATION AND CURETTAGE OF UTERUS, DIAGNOSTIC.....70.3	467.2	*6.2	686.2	704.2	209.0
TRACHELECTOMY.....70.4	51.6	*0.3	86.0	53.4	29.5
COLPORRHAPHY.....71.3	22.8	*2.2	30.8	32.9	*19.7
PLASTIC REPAIR OF CYSTOCELE AND/OR RECTOCELE.....71.4	93.6	*2.1	84.3	210.6	126.6
OTHER GYNECOLOGICAL SURGERY.....RESIDUAL	293.0	25.1	534.7	199.5	120.5
2/ OBSTETRICAL PROCEDURES.....74-78	599.6	23.0	1,357.7	*8.4	...
ANTEPARTUM PROCEDURES TO TERMINATE PREGNANCY.....74.6-74.9	108.6	8.8	243.3	*1.3	...
CESAREAN SECTION.....77	156.9	*3.9	356.4	*2.4	...
DILATION AND CURETTAGE AFTER DELIVERY OR ABORTION.....78.1	139.4	*3.3	316.3	*2.9	...
REPAIR OF LACERATION.....78.2-78.3	108.6	*3.0	246.9	*1.0	...
OTHER OBSTETRICAL PROCEDURES.....RESIDUAL	86.2	*3.9	194.9	*0.9	...

SEE FOOTNOTES AT END OF TABLE.

TABLE 3. RATE OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND AGE: UNITED STATES, 1975—CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER
RATE OF ALL-LISTED OPERATIONS PER 100,000 POPULATION					
ORTHOPEDIC SURGERY.....80-90	1,242.4	500.4	1,268.7	1,675.6	2,117.2
INCISION AND DIVISION OF BONES.....80.0-80.3	39.5	15.7	39.9	66.5	43.3
EXCISION OF BONE, PARTIAL.....80.4	77.7	21.8	83.0	133.5	82.5
REMOVAL OF FIXATION DEVICE (INTERNAL).....80.8	38.9	13.2	41.4	46.8	76.4
CLOSED REDUCTION OF FRACTURE WITHOUT FIXATION...82.0	147.5	183.8	111.4	129.2	248.1
OPEN REDUCTION OF FRACTURE WITHOUT FIXATION...82.1	39.1	17.4	49.2	36.8	55.3
REDUCTION OF FRACTURE WITH FIXATION.....82.2	142.3	27.4	92.7	131.2	665.4
EXCISION OF INTERVERTEBRAL CARTILAGE (PROLAPSED DISK).....86.4	71.3	*1.2	86.6	151.0	*20.4
EXCISION OF SEMILUNAR CARTILAGE OF KNEE JOINT...86.5	73.6	9.0	124.8	71.6	*20.2
ARTHROPLASTY OF HIP.....87.0	28.7	*0.2	5.7	55.6	144.6
REPAIR AND PLASTIC OPERATIONS ON JOINTS OF FOOT AND TOES.....87.2	56.0	*5.8	50.1	112.2	93.8
REPAIR AND PLASTIC OPERATIONS ON OTHER JOINTS...87.3	47.8	*5.2	57.9	64.6	77.5
SPINAL FUSION.....87.4	25.5	*4.0	31.6	49.1	*5.6
ARTHRODESIS AND STABILIZATION OF JOINTS (EXCEPT SPINE).....87.5-87.6	16.1	*4.4	17.2	25.1	22.7
CLOSED REDUCTION OF DISLOCATION OF JOINT.....87.7	14.8	*7.3	16.4	15.3	25.8
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....88-89	172.3	84.1	195.6	251.4	133.7
OTHER ORTHOPEDIC SURGERY.....RESIDUAL	251.3	100.0	265.0	335.8	401.8
PLASTIC SURGERY.....92-94	496.3	282.3	497.7	640.1	736.6
INCISION OF SKIN AND SUBCUTANEOUS TISSUE.....92.0	58.9	42.0	65.0	64.0	64.5
EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSUE.....92.1-92.2	208.0	87.3	182.3	324.0	386.7
SUTURE OF SKIN OR MUCOUS MEMBRANE.....92.5	91.7	55.8	122.2	70.5	94.3
PLASTIC OPERATIONS ON LIP AND MOUTH.....93.1	8.4	12.9	6.8	*6.3	*7.7
SKIN GRAFT EXCEPT LIP AND MOUTH.....93.2-93.6	61.9	42.3	55.4	71.2	120.4
OTHER PLASTIC SURGERY.....RESIDUAL	67.4	41.9	66.0	104.1	63.0
ORAL AND MAXILLOFACIAL SURGERY.....95-98	87.7	44.1	103.0	103.4	99.7
EXCISION OF SALIVARY GLANDS, LOCAL OR TOTAL.....95.1	15.0	*2.5	11.7	28.8	33.0
REDUCTION OF FRACTURE AND FRACTURE-DISLOCATION OF JAWBONE.....98	26.4	8.9	47.3	13.1	*7.7
OTHER ORAL AND MAXILLOFACIAL SURGERY.....RESIDUAL	46.3	32.8	44.0	61.5	59.0
DENTAL SURGERY.....99	190.2	77.9	280.9	185.0	95.0
EXTRACTION OF TOOTH, FORCEPS EXTRACTION.....99.3	63.4	22.7	88.9	65.8	51.8
SURGICAL REMOVAL OF TOOTH.....99.4	71.7	17.9	132.8	36.5	*16.7
ALVEOLOPLASTY.....99.7	23.7	*1.6	25.9	47.2	22.1
OTHER DENTAL SURGERY.....RESIDUAL	31.4	35.9	33.3	35.5	*4.4
BIDPSY.....A1-A2	529.2	54.9	410.0	945.6	1,388.7

1/ LIMITED TO ESTIMATED NUMBER OF APPENDECTOMIES EXCLUDING THOSE PERFORMED INCIDENTAL TO OTHER ABDOMINAL SURGERY.
2/ EXCLUDES SOME OBSTETRICAL PROCEDURES (ICDA CODES 75.0-75.6 AND 75.9) FOR INDUCING OR ASSISTING DELIVERY.

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

TABLE 4. NUMBER AND PERCENT DISTRIBUTION OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS BY SURGICAL CATEGORY, ACCORDING TO COLOR: UNITED STATES, 1975

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	1/ TOTAL	WHITE	ALL OTHER	1/ TOTAL	WHITE	ALL OTHER
	NUMBER OF ALL-LISTED OPERATIONS IN THOUSANDS			PERCENT DISTRIBUTION		
ALL OPERATIONS.....	20,040	15,215	2,036	100.0	100.0	100.0
NEUROSURGERY.....01-05	348	265	33	1.7	1.7	1.6
INCISION AND EXCISION OF SKULL AND INTRACRANIAL STRUCTURES.....01	55	42	*5	0.3	0.3	*0.3
LAMINECTOMY.....03.0	31	23	*3	0.2	0.2	*0.1
OPERATIONS ON PERIPHERAL NERVES.....04	180	139	15	0.9	0.9	0.8
OTHER NEUROSURGERY.....RESIDUAL	82	61	10	0.4	0.4	0.5
OPHTHALMOLOGY.....06-14	758	566	66	3.8	3.7	3.2
RESECTION AND RECESSON OF EYE MUSCLE.....10.5-10.6	83	58	9	0.4	0.4	0.4
REATTACHMENT OF RETINA.....13.4-13.5	28	25	*1	0.1	0.2	*0.1
EXTRACTION OF LENS.....14.4-14.6	333	250	22	1.7	1.6	1.1
OTHER EYE SURGERY.....RESIDUAL	315	234	34	1.6	1.5	1.7
OTORHINOLARYNGOLOGY.....16-21	1,742	1,328	127	8.7	8.7	6.2
MYRINGOTOMY.....17.0	220	166	12	1.1	1.1	0.6
STAPEDECTOMY WITH OSSICULAR RECONSTRUCTION.....17.4	27	21	*1	0.1	0.1	*0.0
TYMPANOPLASTY.....17.6-17.7	72	51	*6	0.4	0.3	*0.3
EXCISION OF LESION OF NOSE.....19.0	48	37	*1	0.2	0.2	*0.1
SECTION OF NASAL SEPTUM.....19.1	70	58	*2	0.3	0.4	*0.1
RHINOPLASTY AND REPAIR OF NOSE.....19.3	166	135	*5	0.8	0.9	*0.3
TRACHEOTOMY OR TRACHEOSTOMY, EMERGENCY.....20.5	43	33	*5	0.2	0.2	*0.3
TONSILLECTOMY WITHOUT ADENOIDECTOMY.....21.1	221	160	26	1.1	1.1	1.3
TONSILLECTOMY WITH ADENOIDECTOMY.....21.2	464	360	31	2.3	2.4	1.5
ADENOIDECTOMY WITHOUT TONSILLECTOMY.....21.3	73	55	*4	0.4	0.4	*0.2
OTHER OPERATIONS ON EARS, NOSE, AND THROAT..RESIDUAL	337	253	34	1.7	1.7	1.7
OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....22-23	101	80	10	0.5	0.5	0.5
THYROIDECTOMY.....22.1-22.2	81	63	8	0.4	0.4	0.4
OTHER OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....RESIDUAL	21	16	*2	0.1	0.1	*0.1
VASCULAR AND CARDIAC SURGERY.....24-30	888	720	70	4.4	4.7	3.4
EXCISION AND LIGATION OF VARICOSE VEINS.....24.4	95	74	*5	0.5	0.5	*0.2
OTHER OPERATIONS ON PERIPHERAL BLOOD VESSELS.....24.0-24.3,24.5-24.9	130	96	19	0.6	0.6	0.9
INCISION AND EXCISION OF LYMPHATIC STRUCTURE.....25.0-25.2	67	51	*6	0.3	0.3	*0.3
OPERATIONS ON VALVES OF HEART.....29.2-29.4	23	20	*2	0.1	0.1	*0.1
CARDIAC REVASCULARIZATION.....29.8	57	52	*1	0.3	0.3	*0.0
CARDIAC CATHETERIZATION.....30.2	189	162	14	0.9	1.1	0.7
INSERTION OR REPLACEMENT OF ELECTRIC HEART DEVICE.....30.4-30.5	96	81	*4	0.5	0.5	*0.2
OTHER VASCULAR AND CARDIAC SURGERY.....RESIDUAL	232	184	19	1.2	1.2	0.9
THORACIC SURGERY.....32-35	271	211	32	1.4	1.4	1.6
THORACOTOMY AND PLEUROTOMY.....32.0	74	55	11	0.4	0.4	0.5
LUNG LOBECTOMY AND PNEUMONECTOMY.....34.2-34.4	39	31	*3	0.2	0.2	*0.1
OTHER THORACIC SURGERY.....RESIDUAL	158	124	18	0.8	0.8	0.9
ABDOMINAL SURGERY.....38-48	2,894	2,250	263	14.4	14.8	12.9
REPAIR OF INGUINAL HERNIA.....38.2-38.3	549	430	39	2.7	2.8	1.9
OTHER HERNIA REPAIR.....38.0-38.1,38.4-38.9	239	174	34	1.2	1.1	1.7
EXPLORATORY LAPAROTOMY OR CELIOTOMY.....39.1	281	214	35	1.4	1.4	1.7
Z/ APPENDECTOMY.....41.1	319	250	26	1.6	1.6	1.3
CHOLECYSTECTOMY.....43.5	442	353	27	2.2	2.3	1.3
SPLENECTOMY.....45.1	36	29	*3	0.2	0.2	*0.1
GASTRIC RESECTION, PARTIAL OR COMPLETE.....46.2-46.3	56	40	7	0.3	0.3	0.3
VAGOTOMY.....46.8	53	39	*6	0.3	0.3	*0.3
RESECTION OF SMALL INTESTINE OR COLON.....47.4-47.6	153	122	11	0.8	0.8	0.5
ILEOSTOMY, COLOSTOMY, AND OTHER ENTEROSTOMY.....47.7-47.9	70	55	*6	0.3	0.4	*0.3
OTHER ABDOMINAL SURGERY.....RESIDUAL	697	544	68	3.5	3.6	3.4

SEE FOOTNOTES AT END OF TABLE.

TABLE 4. NUMBER AND PERCENT DISTRIBUTION OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS BY SURGICAL CATEGORY, ACCORDING TO COLOR: UNITED STATES, 1975--CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	1/ TOTAL	WHITE	ALL OTHER	1/ TOTAL	WHITE	ALL OTHER
	NUMBER OF ALL-LISTED OPERATIONS IN THOUSANDS			PERCENT DISTRIBUTION		
PROCTOLOGICAL SURGERY.....50-52	575	435	55	2.9	2.9	2.7
LOCAL EXCISION AND DESTRUCTION OF LESION OF RECTUM AND ANUS.....50.2,51.2	139	104	12	0.7	0.7	0.6
HEMORRHOIDECTOMY.....51.3	201	154	20	1.0	1.0	1.0
EXCISION OF PILONIDAL SINUS OR CYST.....52.1	66	51	*3	0.3	0.3	*0.1
OTHER PROCTOLOGICAL SURGERY.....RESIDUAL	169	125	20	0.8	0.8	1.0
UROLOGICAL SURGERY.....54-61	1,575	1,196	156	7.9	7.9	7.7
NEPHROTOMY AND PYELOTOMY.....54.0-54.1	33	26	*3	0.2	0.2	*0.1
NEPHRECTOMY.....54.4-54.5	34	25	*4	0.2	0.2	*0.2
PASSAGE OF CATHETER TO KIDNEY.....55.7	81	64	*4	0.4	0.4	*0.2
LOCAL EXCISION AND DESTRUCTION OF LESION OF BLADDER.....56.1-56.2	105	84	*5	0.5	0.6	*0.3
REMOVAL OF CALCULUS AND DRAINAGE OF BLADDER WITHOUT INCISION.....56.8	31	25	*3	0.2	0.2	*0.1
MEATOTOMY (URETHRAL).....57.1	63	48	9	0.3	0.3	0.4
EXCISION OR DESTRUCTION OF LESION OF URETHRA.....57.2	22	17	*2	0.1	0.1	*0.1
DILATION OF URETHRA.....57.5	250	192	24	1.2	1.3	1.2
PROSTATECTOMY.....58.1-58.3	266	209	17	1.3	1.4	0.8
EXCISION OF HYDROCELE AND HEMATOCELE.....59.1	73	54	*5	0.4	0.4	*0.3
ORCHIOPEXY.....59.7	31	24	*3	0.2	0.2	*0.1
VASECTOMY.....60.1	52	43	*2	0.3	0.3	*0.1
CIRCUMCISION.....61.2	111	60	38	0.6	0.4	1.9
OTHER UROLOGICAL SURGERY.....RESIDUAL	424	324	37	2.1	2.1	1.8
BREAST SURGERY.....65	417	329	36	2.1	2.2	1.7
PARTIAL MASTECTOMY.....65.2	228	179	22	1.1	1.2	1.1
COMPLETE AND RADICAL MASTECTOMY.....65.3-65.6	111	87	9	0.6	0.6	0.4
OTHER BREAST SURGERY.....RESIDUAL	77	63	*5	0.4	0.4	*0.3
GYNECOLOGICAL SURGERY.....67-72	3,893	2,936	423	19.4	19.3	20.8
LOCAL EXCISION OR DESTRUCTION OF LESION OF OVARY.....67.1	79	59	11	0.4	0.4	0.5
OOPHORECTOMY; SALPINGO-OOPHORECTOMY.....67.2-67.5	471	357	50	2.3	2.3	2.5
SALPINGECTOMY, BILATERAL.....68.2	175	128	22	0.9	0.8	1.1
LIGATION AND DIVISION OF FALLOPIAN TUBES (BILATERAL).....68.5	368	274	47	1.8	1.8	2.3
HYSTERECTOMY.....69.1-69.5	725	547	78	3.6	3.6	3.8
LOCAL EXCISION AND DESTRUCTION OF OTHER LESIONS OF UTERUS, CERVIX, AND SUPPORTING TISSUES.....70.2	133	107	10	0.7	0.7	0.5
DILATION AND CURETTAGE OF UTERUS, DIAGNOSTIC.....70.3	977	737	99	4.9	4.8	4.9
TRACHELECTOMY.....70.4	108	77	12	0.5	0.5	0.6
COLPORRHAPHY.....71.3	48	39	*5	0.2	0.3	*0.2
PLASTIC REPAIR OF CYSTOCELE AND/OR RECTOCELE.....71.4	196	160	*6	1.0	1.1	*0.3
OTHER GYNECOLOGICAL SURGERY.....RESIDUAL	613	452	83	3.1	3.0	4.1
3/ OBSTETRICAL PROCEDURES.....74-78	1,254	833	261	6.3	5.5	12.8
ANTEPARTUM PROCEDURES TO TERMINATE PREGNANCY.....74.6-74.9	227	124	75	1.1	0.8	3.7
CESAREAN SECTION.....77	328	231	58	1.6	1.5	2.8
DILATION AND CURETTAGE AFTER DELIVERY OR ABORTION.....78.1	291	198	54	1.5	1.3	2.7
REPAIR OF LACERATION.....78.2-78.3	227	154	44	1.1	1.0	2.2
OTHER OBSTETRICAL PROCEDURES.....RESIDUAL	180	125	31	0.9	0.8	1.5

SEE FOOTNOTES AT END OF TABLE.

TABLE 4. NUMBER AND PERCENT DISTRIBUTION OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS BY SURGICAL CATEGORY, ACCORDING TO COLOR: UNITED STATES, 1975--CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	1/ TOTAL	WHITE	ALL OTHER	1/ TOTAL	WHITE	ALL OTHER
	NUMBER OF ALL-LISTED OPERATIONS IN THOUSANDS			PERCENT DISTRIBUTION		
ORTHOPEDIC SURGERY.....80-90	2,598	2,005	221	13.0	13.2	10.9
INCISION AND DIVISION OF BONES.....80.0-80.3	83	67	9	0.4	0.4	0.4
EXCISION OF BONE, PARTIAL.....80.4	162	127	14	0.8	0.8	0.7
REMOVAL OF FIXATION DEVICE (INTERNAL).....80.8	81	63	7	0.4	0.4	0.4
CLOSED REDUCTION OF FRACTURE WITHOUT FIXATION.....82.0	308	242	24	1.5	1.6	1.2
OPEN REDUCTION OF FRACTURE WITHOUT FIXATION.....82.1	82	64	7	0.4	0.4	0.3
REDUCTION OF FRACTURE WITH FIXATION.....82.2	298	236	18	1.5	1.5	0.9
EXCISION OF INTERVERTEBRAL CARTILAGE (PROLAPSED DISK).....86.4	149	119	8	0.7	0.8	0.4
EXCISION OF SEMILUNAR CARTILAGE OF KNEE JOINT.....86.5	154	121	9	0.8	0.8	0.4
ARTHROPLASTY OF HIP.....87.0	60	44	*3	0.3	0.3	*0.2
REPAIR AND PLASTIC OPERATIONS ON JOINTS OF FOOT AND TOES.....87.2	117	94	12	0.6	0.6	0.6
REPAIR AND PLASTIC OPERATIONS ON OTHER JOINTS.....87.3	100	77	7	0.5	0.5	0.3
SPINAL FUSION.....87.4	53	38	*3	0.3	0.3	*0.1
ARTHRODESIS AND STABILIZATION OF JOINTS (EXCEPT SPINE).....87.5-87.6	34	25	*3	0.2	0.2	*0.1
CLOSED REDUCTION OF DISLOCATION OF JOINT.....87.7	31	25	*1	0.2	0.2	*0.1
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....88-89	360	268	35	1.8	1.8	1.7
OTHER ORTHOPEDIC SURGERY.....RESIDUAL	526	395	62	2.6	2.6	3.0
PLASTIC SURGERY.....92-94	1,038	789	116	5.2	5.2	5.7
INCISION OF SKIN AND SUBCUTANEOUS TISSUE.....92.0	123	84	23	0.6	0.6	1.1
EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSUE.....92.1-92.2	435	338	39	2.2	2.2	1.9
SUTURE OF SKIN OR MUCOUS MEMBRANE.....92.5	192	144	23	1.0	0.9	1.1
PLASTIC OPERATIONS ON LIP AND MOUTH.....93.1	17	13	*2	0.1	0.1	*0.1
SKIN GRAFT EXCEPT LIP AND MOUTH.....93.2-93.6	130	96	19	0.6	0.6	0.9
OTHER PLASTIC SURGERY.....RESIDUAL	141	113	10	0.7	0.7	0.5
ORAL AND MAXILLOFACIAL SURGERY.....95-98	183	136	19	0.9	0.9	1.0
EXCISION OF SALIVARY GLANDS, LOCAL OR TOTAL.....95.1	31	25	*2	0.2	0.2	*0.1
REDUCTION OF FRACTURE AND FRACTURE- DISLOCATION OF JAWBONE.....98	55	38	9	0.3	0.2	0.5
OTHER ORAL AND MAXILLOFACIAL SURGERY.....RESIDUAL	97	74	8	0.5	0.5	0.4
DENTAL SURGERY.....99	398	293	28	2.0	1.9	1.4
EXTRACTION OF TOOTH, FORCEPS EXTRACTION.....99.3	133	91	12	0.7	0.6	0.6
SURGICAL REMOVAL OF TOOTH.....99.4	150	113	7	0.7	0.7	0.4
ALVEOLOPLASTY.....99.7	49	37	*4	0.2	0.2	*0.2
OTHER DENTAL SURGERY.....RESIDUAL	66	51	*5	0.3	0.3	*0.2
BIOPSY.....A1-A2	1,107	845	121	5.5	5.6	5.9

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

2/ LIMITED TO ESTIMATED NUMBER OF APPENDECTOMIES EXCLUDING THOSE PERFORMED INCIDENTAL TO OTHER ABDOMINAL SURGERY.

3/ EXCLUDES SOME OBSTETRICAL PROCEDURES (ICDA CODES 75.0-75.6 AND 75.9) FOR INDUCING OR ASSISTING DELIVERY.

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

TABLE 5. NUMBER OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND GEOGRAPHIC REGION: UNITED STATES, 1975

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL REGIONS	NORTHEAST	NORTH CENTRAL	SOUTH	WEST
NUMBER OF ALL-LISTED OPERATIONS IN THOUSANDS					
ALL OPERATIONS.....	20,040	4,698	6,372	5,562	3,408
NEUROSURGERY.....01-05	348	67	100	81	99
INCISION AND EXCISION OF SKULL AND INTRACRANIAL STRUCTURES.....01	55	12	17	15	11
LAMINECTOMY.....03.0	31	6	9	8	8
OPERATIONS ON PERIPHERAL NERVES.....04	180	29	51	37	63
OTHER NEUROSURGERY.....RESIDUAL	82	20	24	21	17
OPHTHALMOLOGY.....06-14	758	159	258	192	149
RESECTION AND RESECTION OF EYE MUSCLE.....10.5-10.6	83	18	28	19	18
REATTACHMENT OF RETINA.....13.4-13.5	28	7	12	5	*5
EXTRACTION OF LENS.....14.4-14.6	333	77	107	81	67
OTHER EYE SURGERY.....RESIDUAL	315	57	111	87	60
OTORHINOLARYNGOLOGY.....16-21	1,742	344	653	426	319
MYRINGOTOMY.....17.0	220	40	83	53	44
STAPEDECTOMY WITH OSSICULAR RECONSTRUCTION.....17.4	27	9	7	7	*4
TYMPANOPLASTY.....17.6-17.7	72	11	31	15	16
EXCISION OF LESION OF NOSE.....19.0	48	10	17	14	7
SECTION OF NASAL SEPTUM.....19.1	70	20	38	7	*5
RHINOPLASTY AND REPAIR OF NOSE.....19.3	166	36	69	28	33
TRACHEOTOMY OR TRACHEOSTOMY, EMERGENCY.....20.5	43	10	14	14	*5
TONSILLECTOMY WITHOUT ADENOIDECTOMY.....21.1	221	46	72	60	43
TONSILLECTOMY WITH ADENOIDECTOMY.....21.2	464	88	156	136	84
ADENOIDECTOMY WITHOUT TONSILLECTOMY.....21.3	73	13	27	18	15
OTHER OPERATIONS ON EARS, NOSE, AND THROAT..RESIDUAL	337	63	138	74	62
OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....22-23	101	26	25	31	20
THYROIDECTOMY.....22.1-22.2	81	20	19	26	15
OTHER OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....RESIDUAL	21	6	6	5	*5
VASCULAR AND CARDIAC SURGERY.....24-30	888	197	301	224	165
EXCISION AND LIGATION OF VARICOSE VEINS.....24.4	95	31	29	18	17
OTHER OPERATIONS ON PERIPHERAL BLOOD VESSELS.....24.0-24.3,24.5-24.9	130	38	33	31	28
INCISION AND EXCISION OF LYMPHATIC STRUCTURE.....25.0-25.2	67	15	23	20	9
OPERATIONS ON VALVES OF HEART.....29.2-29.4	23	4	8	6	*4
CARDIAC REVASCULARIZATION.....29.8	57	8	25	10	14
CARDIAC CATHETERIZATION.....30.2	189	30	72	47	40
INSERTION OR REPLACEMENT OF ELECTRIC HEART DEVICE.....30.4-30.5	96	27	32	24	12
OTHER VASCULAR AND CARDIAC SURGERY.....RESIDUAL	232	45	79	66	41
THORACIC SURGERY.....32-35	271	65	87	74	45
THORACOTOMY AND PLEUROTOMY.....32.0	74	18	21	23	12
LUNG LOBECTOMY AND PNEUMONECTOMY.....34.2-34.4	39	10	13	8	7
OTHER THORACIC SURGERY.....RESIDUAL	158	36	53	43	25
ABDOMINAL SURGERY.....38-48	2,894	683	871	874	466
REPAIR OF INGUINAL HERNIA.....38.2-38.3	549	143	172	145	89
OTHER HERNIA REPAIR.....38.0-38.1,38.4-38.9	239	47	68	82	43
EXPLORATORY LAPAROTOMY OR CELIOTOMY.....39.1	281	65	74	99	43
1/ APPENDECTOMY.....41.1	319	62	97	102	58
CHOLECYSTECTOMY.....43.5	442	113	136	127	65
SPLENECTOMY.....45.1	36	8	14	9	*5
GASTRIC RESECTION, PARTIAL OR COMPLETE.....46.2-46.3	56	15	16	14	11
VAGOTOMY.....46.8	53	11	14	19	9
RESECTION OF SMALL INTESTINE OR COLON.....47.4-47.6	153	34	50	44	24
ILEOSTOMY, COLOSTOMY, AND OTHER ENTEROSTOMY.....47.7-47.9	70	20	20	19	11
OTHER ABDOMINAL SURGERY.....RESIDUAL	697	164	211	214	109

SEE FOOTNOTES AT END OF TABLE.

TABLE 5. NUMBER OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND GEOGRAPHIC REGION: UNITED STATES, 1975--CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL REGIONS	NORTHEAST	NORTH CENTRAL	SOUTH	WEST
NUMBER OF ALL-LISTED OPERATIONS IN THOUSANDS					
PROCTOLOGICAL SURGERY.....50-52	575	143	174	177	81
LOCAL EXCISION AND DESTRUCTION OF LESION OF RECTUM AND ANUS.....50.2,51.2	139	34	45	40	19
HEMORRHOIDECTOMY.....51.3	201	46	58	69	29
EXCISION OF PILONIDAL SINUS OR CYST.....52.1	66	19	22	18	7
OTHER PROCTOLOGICAL SURGERY.....RESIDUAL	169	44	50	49	26
UROLOGICAL SURGERY.....54-61	1,575	357	523	469	227
NEPHROTOMY AND PYELOTOMY.....54.0-54.1	33	7	9	13	*4
NEPHRECTOMY.....54.4-54.5	34	8	11	9	*6
PASSAGE OF CATHETER TO KIDNEY.....55.7	81	23	25	24	9
LOCAL EXCISION AND DESTRUCTION OF LESION OF BLADDER.....56.1-56.2	105	29	35	24	16
REMOVAL OF CALCULUS AND DRAINAGE OF BLADDER WITHOUT INCISION.....56.8	31	5	11	7	9
MEATOTOMY (URETHRAL).....57.1	63	10	25	22	*6
EXCISION OR DESTRUCTION OF LESION OF URETHRA.....57.2	22	4	8	8	*3
DILATION OF URETHRA.....57.5	250	49	92	79	30
PROSTATECTOMY.....58.1-58.3	266	65	87	72	42
EXCISION OF HYDROCELE AND HEMATOCELE.....59.1	73	19	24	18	12
ORCHIOPEXY.....59.7	31	7	9	9	*6
VASECTOMY.....60.1	52	11	17	17	7
CIRCUMCISION.....61.2	111	21	32	42	15
OTHER UROLOGICAL SURGERY.....RESIDUAL	424	98	137	126	63
BREAST SURGERY.....65	417	100	141	119	58
PARTIAL MASTECTOMY.....65.2	228	61	67	71	29
COMPLETE AND RADICAL MASTECTOMY.....65.3-65.6	111	25	37	30	19
OTHER BREAST SURGERY.....RESIDUAL	77	13	38	17	9
GYNECOLOGICAL SURGERY.....67-72	3,893	973	1,164	1,187	569
LOCAL EXCISION OR DESTRUCTION OF LESION OF OVARY.....67.1	79	22	22	25	10
OOPHORECTOMY; SALPINGO-OOPHORECTOMY.....67.2-67.5	471	104	135	149	83
SALPINGECTOMY, BILATERAL.....68.2	175	38	68	54	15
LIGATION AND DIVISION OF FALLOPIAN TUBES (BILATERAL).....68.5	368	90	96	131	51
HYSTERECTOMY.....69.1-69.5	725	130	198	259	138
LOCAL EXCISION AND DESTRUCTION OF OTHER LESIONS OF UTERUS, CERVIX, AND SUPPORTING TISSUES.....70.2	133	50	40	35	8
DILATION AND CURETTAGE OF UTERUS, DIAGNOSTIC.....70.3	977	305	311	234	127
TRACHELECTOMY.....70.4	108	17	41	35	14
COLPORRHAPHY.....71.3	48	7	10	18	12
PLASTIC REPAIR OF CYSTOCELE AND/OR RECTOCELE.....71.4	196	37	59	66	33
OTHER GYNECOLOGICAL SURGERY.....RESIDUAL	613	172	184	180	76
2/ OBSTETRICAL PROCEDURES.....74-78	1,254	352	333	350	220
ANTEPARTUM PROCEDURES TO TERMINATE PREGNANCY.....74.6-74.9	227	92	55	32	48
CESAREAN SECTION.....77	328	80	83	111	54
DILATION AND CURETTAGE AFTER DELIVERY OR ABORTION.....78.1	291	78	93	84	36
REPAIR OF LACERATION.....78.2-78.3	227	49	56	71	51
OTHER OBSTETRICAL PROCEDURES.....RESIDUAL	180	54	45	51	31

SEE FOOTNOTES AT END OF TABLE.

TABLE 5. NUMBER OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND GEOGRAPHIC REGION: UNITED STATES, 1975--CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL REGIONS	NORTHEAST	NORTH CENTRAL	SOUTH	WEST
NUMBER OF ALL-LISTED OPERATIONS IN THOUSANDS					
ORTHOPEDIC SURGERY.....80-90	2,598	532	829	637	599
INCISION AND DIVISION OF BONES.....80.0-80.3	83	9	24	16	34
EXCISION OF BONE, PARTIAL.....80.4	162	25	52	39	47
REMOVAL OF FIXATION DEVICE (INTERNAL).....80.8	81	22	28	18	14
CLOSED REDUCTION OF FRACTURE WITHOUT FIXATION.....82.0	308	71	94	87	57
OPEN REDUCTION OF FRACTURE WITHOUT FIXATION.....82.1	82	18	24	25	15
REDUCTION OF FRACTURE WITH FIXATION.....82.2	298	68	96	77	57
EXCISION OF INTERVERTEBRAL CARTILAGE (PROLAPSED DISK).....86.4	149	28	44	42	35
EXCISION OF SEMILUNAR CARTILAGE OF KNEE JOINT.....86.5	154	32	52	35	34
ARTHROPLASTY OF HIP.....87.0	60	12	25	9	14
REPAIR AND PLASTIC OPERATIONS ON JOINTS OF FOOT AND TOES.....87.2	117	13	38	17	49
REPAIR AND PLASTIC OPERATIONS ON OTHER JOINTS.....87.3	100	20	34	20	27
SPINAL FUSION.....87.4	53	6	18	15	14
ARTHRODESIS AND STABILIZATION OF JOINTS (EXCEPT SPINE).....87.5-87.6	34	9	10	6	8
CLOSED REDUCTION OF DISLOCATION OF JOINT.....87.7	31	8	10	6	*6
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....88-89	360	82	108	94	76
OTHER ORTHOPEDIC SURGERY.....RESIDUAL	526	109	172	132	112
PLASTIC SURGERY.....92-94	1,038	233	335	294	176
INCISION OF SKIN AND SUBCUTANEOUS TISSUE.....92.0	123	32	34	35	22
EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSUE.....92.1-92.2	435	104	139	128	64
SUTURE OF SKIN OR MUCOUS MEMBRANE.....92.5	192	38	57	57	39
PLASTIC OPERATIONS ON LIP AND MOUTH.....93.1	17	5	6	*4	*3
SKIN GRAFT EXCEPT LIP AND MOUTH.....93.2-93.6	130	28	41	37	23
OTHER PLASTIC SURGERY.....RESIDUAL	141	26	58	32	24
ORAL AND MAXILLOFACIAL SURGERY.....95-98	183	42	66	46	29
EXCISION OF SALIVARY GLANDS, LOCAL OR TOTAL.....95.1	31	7	10	7	*6
REDUCTION OF FRACTURE AND FRACTURE- DISLOCATION OF JAWBONE.....98	55	12	18	15	10
OTHER ORAL AND MAXILLOFACIAL SURGERY.....RESIDUAL	97	22	37	24	13
DENTAL SURGERY.....99	398	143	147	89	20
EXTRACTION OF TOOTH, FORCEPS EXTRACTION.....99.3	133	45	46	34	8
SURGICAL REMOVAL OF TOOTH.....99.4	150	61	56	28	*4
ALVEOLOPLASTY.....99.7	49	17	21	11	*1
OTHER DENTAL SURGERY.....RESIDUAL	66	20	24	16	*6
BIOPSY.....A1-A2	1,107	284	365	293	166

1/ LIMITED TO ESTIMATED NUMBER OF APPENDECTOMIES EXCLUDING THOSE PERFORMED INCIDENTAL TO OTHER ABDOMINAL SURGERY.
2/ EXCLUDES SOME OBSTETRICAL PROCEDURES (ICDA CODES 75.0-75.6 AND 75.9) FOR INDUCING OR ASSISTING DELIVERY.

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

TABLE 6. RATE OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND GEOGRAPHIC REGION: UNITED STATES, 1975

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL REGIONS	NORTHEAST	NORTH CENTRAL	SOUTH	WEST
RATE OF ALL-LISTED OPERATIONS PER 100,000 POPULATION					
ALL OPERATIONS.....	9,584.3	9,637.2	11,214.6	8,354.0	9,224.3
NEUROSURGERY.....01-05	166.5	137.9	176.5	122.1	269.1
INCISION AND EXCISION OF SKULL AND INTRACRANIAL STRUCTURES.....01	26.4	25.4	29.6	22.2	30.5
LAMINECTOMY.....03.0	14.6	11.5	16.0	11.7	21.9
OPERATIONS ON PERIPHERAL NERVES.....04	86.3	59.4	88.9	56.3	171.6
OTHER NEUROSURGERY.....RESIDUAL	39.2	41.5	42.0	31.9	45.1
OPHTHALMOLOGY.....06-14	362.7	325.4	454.6	288.8	404.1
RESECTION AND RESECTION OF EYE MUSCLE.....10.5-10.6	39.7	37.0	48.6	28.7	49.4
REATTACHMENT OF RETINA.....13.4-13.5	13.5	14.1	20.8	7.3	*12.4
EXTRACTION OF LENS.....14.4-14.6	159.0	158.0	189.0	122.3	180.5
OTHER EYE SURGERY.....RESIDUAL	150.5	116.3	196.1	130.5	161.7
OTORHINOLARYNGOLOGY.....16-21	833.1	706.5	1,149.5	639.3	862.7
MYRINGOTOMY.....17.0	105.3	82.3	146.3	79.1	120.0
STAPEDECTOMY WITH OSSICULAR RECONSTRUCTION.....17.4	12.9	17.7	12.7	10.0	*11.9
TYMPANOPLASTY.....17.6-17.7	34.6	22.3	54.5	22.1	42.7
EXCISION OF LESION OF NOSE.....19.0	22.8	20.0	30.8	20.4	18.6
SECTION OF NASAL SEPTUM.....19.1	33.3	40.3	67.3	10.5	*13.0
RHINOPLASTY AND REPAIR OF NOSE.....19.3	79.5	73.9	121.1	42.7	89.5
TRACHEOTOMY OR TRACHEOSTOMY, EMERGENCY.....20.5	20.4	19.9	24.2	20.7	*14.9
TONSILLECTOMY WITHOUT ADENOIDECTOMY.....21.1	105.8	94.2	126.8	90.6	116.2
TONSILLECTOMY WITH ADENOIDECTOMY.....21.2	222.0	180.6	274.2	204.6	227.8
ADENOIDECTOMY WITHOUT TONSILLECTOMY.....21.3	35.1	26.7	48.1	27.2	40.4
OTHER OPERATIONS ON EARS, NOSE, AND THROAT..RESIDUAL	161.3	128.7	243.5	111.4	167.7
OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....22-23	48.4	52.7	43.6	46.1	54.4
THYROIDECTOMY.....22.1-22.2	38.6	40.9	33.8	39.1	41.8
OTHER OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....RESIDUAL	9.8	11.8	9.8	6.9	*12.6
VASCULAR AND CARDIAC SURGERY.....24-30	424.6	404.7	530.6	336.0	447.8
EXCISION AND LIGATION OF VARICOSE VEINS.....24.4	45.3	62.8	50.9	27.7	45.1
OTHER OPERATIONS ON PERIPHERAL BLOOD VESSELS.....24.0-24.3,24.5-24.9	62.2	77.2	58.9	47.0	75.2
INCISION AND EXCISION OF LYMPHATIC STRUCTURE.....25.0-25.2	32.1	31.7	40.6	29.4	24.2
OPERATIONS ON VALVES OF HEART.....29.2-29.4	11.0	8.0	14.9	9.6	*11.3
CARDIAC REVASCULARIZATION.....29.8	27.2	15.9	43.6	15.1	39.0
CARDIAC CATHETERIZATION.....30.2	90.4	61.2	126.5	71.2	108.0
INSERTION OR REPLACEMENT OF ELECTRIC HEART DEVICE.....30.4-30.5	45.7	55.4	56.1	36.5	33.6
OTHER VASCULAR AND CARDIAC SURGERY.....RESIDUAL	110.7	92.4	139.2	99.4	111.4
THORACIC SURGERY.....32-35	129.7	132.5	153.6	111.6	121.7
THORACOTOMY AND PLEUROTOMY.....32.0	35.4	36.2	36.8	34.6	33.5
LUNG LOBECTOMY AND PNEUMONECTOMY.....34.2-34.4	18.5	21.5	22.7	12.1	19.7
OTHER THORACIC SURGERY.....RESIDUAL	75.7	74.8	94.0	64.9	68.5
ABDOMINAL SURGERY.....38-48	1,384.3	1,400.4	1,532.9	1,313.4	1,262.1
REPAIR OF INGUINAL HERNIA.....38.2-38.3	262.6	294.2	302.9	217.7	240.1
OTHER HERNIA REPAIR.....38.0-38.1,38.4-38.9	114.2	96.7	118.8	122.5	115.3
EXPLORATORY LAPAROTOMY OR CELIOTOMY.....39.1	134.6	134.2	129.6	149.3	116.5
1/ APPENDECTOMY.....41.1	152.5	127.7	170.8	152.8	156.4
CHOLECYSTECTOMY.....43.5	211.4	232.2	239.9	191.2	176.7
SPLENECTOMY.....45.1	17.2	16.5	24.5	13.2	*14.0
GASTRIC RESECTION, PARTIAL OR COMPLETE.....46.2-46.3	26.6	30.5	27.5	21.7	28.6
VAGOTOMY.....46.8	25.3	21.9	23.8	29.0	25.1
RESECTION OF SMALL INTESTINE OR COLON.....47.4-47.6	73.0	70.6	88.2	66.5	64.5
ILEOSTOMY, COLOSTOMY, AND OTHER ENTEROSTOMY.....47.7-47.9	33.4	40.2	35.2	28.7	30.4
OTHER ABDOMINAL SURGERY.....RESIDUAL	333.5	335.7	371.6	320.9	294.6

SEE FOOTNOTES AT END OF TABLE.

TABLE 6. RATE OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND GEOGRAPHIC REGION: UNITED STATES, 1975--CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL REGIONS	NORTHEAST	NORTH CENTRAL	SOUTH	WEST
RATE OF ALL-LISTED OPERATIONS PER 100,000 POPULATION					
PROCTOLOGICAL SURGERY.....50-52	274.9	292.8	307.0	265.8	218.6
LOCAL EXCISION AND DESTRUCTION OF LESION OF RECTUM AND ANUS.....50.2,51.2	66.3	69.3	79.5	60.8	51.8
HEMORRHOIDECTOMY.....51.3	96.3	93.7	101.8	103.8	77.9
EXCISION OF PILONIDAL SINUS OR CYST.....52.1	31.4	39.8	37.9	27.0	18.3
OTHER PROCTOLOGICAL SURGERY.....RESIDUAL	80.9	90.1	87.7	74.3	70.7
UROLOGICAL SURGERY.....54-61	753.4	732.0	920.2	704.0	614.3
NEPHROTOMY AND PYELOTOMY.....54.0-54.1	15.6	13.9	16.3	18.8	*11.0
NEPHRECTOMY.....54.4-54.5	16.4	16.6	20.1	13.4	*16.3
PASSAGE OF CATHETER TO KIDNEY.....55.7	38.6	46.6	43.6	36.3	24.3
LOCAL EXCISION AND DESTRUCTION OF LESION OF BLADDER.....56.1-56.2	50.0	59.9	62.0	36.5	42.9
REMOVAL OF CALCULUS AND DRAINAGE OF BLADDER WITHOUT INCISION.....56.8	14.9	9.9	18.7	10.5	23.7
MEATOTOMY (URETHRAL).....57.1	30.2	21.1	44.1	32.8	*16.3
EXCISION OR DESTRUCTION OF LESION OF URETHRA.....57.2	10.6	9.1	13.4	11.3	*7.1
DILATION OF URETHRA.....57.5	119.6	100.9	161.9	118.3	81.7
PROSTATECTOMY.....58.1-58.3	127.1	132.4	153.4	108.0	114.2
EXCISION OF HYDROCELE AND HEMATOCELE.....59.1	34.9	39.1	42.4	27.2	31.8
ORCHIOPEXY.....59.7	14.6	14.5	15.7	13.4	*15.3
VASECTOMY.....60.1	24.8	21.9	30.2	25.6	18.7
CIRCUMCISION.....61.2	52.9	44.0	57.0	63.3	39.9
OTHER UROLOGICAL SURGERY.....RESIDUAL	203.0	201.9	241.3	188.7	171.2
BREAST SURGERY.....65	199.4	204.1	248.7	178.0	155.9
PARTIAL MASTECTOMY.....65.2	109.2	125.6	117.2	106.8	79.8
COMPLETE AND RADICAL MASTECTOMY.....65.3-65.6	53.3	51.0	65.5	45.4	51.7
OTHER BREAST SURGERY.....RESIDUAL	36.9	27.6	66.1	25.8	24.4
GYNECOLOGICAL SURGERY.....67-72	1,861.7	1,995.5	2,048.9	1,782.5	1,539.7
LOCAL EXCISION OR DESTRUCTION OF LESION OF OVARY.....67.1	37.7	44.4	38.0	38.1	27.5
OPHORECTOMY; SALPINGO-OPHORECTOMY.....67.2-67.5	225.1	213.9	237.4	223.2	224.5
SALPINGECTOMY, BILATERAL.....68.2	83.8	78.7	119.3	81.2	40.5
LIGATION AND DIVISION OF FALLOPIAN TUBES (BILATERAL).....68.5	176.2	184.3	169.7	196.3	139.3
HYSTERECTOMY.....69.1-69.5	346.9	266.7	348.8	389.1	374.0
LOCAL EXCISION AND DESTRUCTION OF OTHER LESIONS OF UTERUS, CERVIX, AND SUPPORTING TISSUES.....70.2	63.8	102.8	69.8	52.8	22.7
DILATION AND CURETTAGE OF UTERUS, DIAGNOSTIC.....70.3	467.2	625.8	546.8	351.6	344.3
TRACHELECTOMY.....70.4	51.6	35.2	72.9	53.2	37.5
COLPORRHAPHY.....71.3	22.8	15.2	17.6	26.8	33.5
PLASTIC REPAIR OF CYSTOCELE AND/OR RECTOCELE.....71.4	93.6	76.5	104.2	99.5	89.3
OTHER GYNECOLOGICAL SURGERY.....RESIDUAL	293.0	352.1	324.4	270.7	206.7
2/ OBSTETRICAL PROCEDURES.....74-78	599.6	721.7	585.3	525.3	594.4
ANTEPARTUM PROCEDURES TO TERMINATE PREGNANCY.....74.6-74.9	108.6	188.6	97.0	47.8	130.3
CESAREAN SECTION.....77	156.9	163.2	146.5	167.4	145.6
DILATION AND CURETTAGE AFTER DELIVERY OR ABORTION.....78.1	139.4	159.7	164.4	126.8	96.8
REPAIR OF LACERATION.....78.2-78.3	108.6	99.8	98.5	107.0	138.7
OTHER OBSTETRICAL PROCEDURES.....RESIDUAL	86.2	110.4	78.9	76.3	83.0

SEE FOOTNOTES AT END OF TABLE.

TABLE 6. RATE OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND GEOGRAPHIC REGION: UNITED STATES, 1975--CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL REGIONS	NORTHEAST	NORTH CENTRAL	SOUTH	WEST
RATE OF ALL-LISTED OPERATIONS PER 100,000 POPULATION					
ORTHOPEDIC SURGERY.....80-90	1,242.4	1,091.6	1,458.7	957.3	1,622.3
INCISION AND DIVISION OF BONES.....80.0-80.3	39.5	19.4	42.0	23.8	90.8
EXCISION OF BONE, PARTIAL.....80.4	77.7	50.9	90.9	58.1	127.9
REMOVAL OF FIXATION DEVICE (INTERNAL).....80.8	38.9	45.1	48.9	26.8	37.1
CLOSED REDUCTION OF FRACTURE WITHOUT FIXATION...82.0	147.5	145.3	165.2	130.5	153.9
OPEN REDUCTION OF FRACTURE WITHOUT FIXATION.....82.1	39.1	36.4	42.4	37.1	41.3
REDUCTION OF FRACTURE WITH FIXATION.....82.2	142.3	139.4	168.6	115.1	154.8
EXCISION OF INTERVERTEBRAL CARTILAGE (PROLAPSED DISK).....86.4	71.3	58.0	77.0	62.7	95.5
EXCISION OF SEMILUNAR CARTILAGE OF KNEE JOINT...86.5	73.6	65.7	92.1	53.1	92.2
ARTHROPLASTY OF HIP.....87.0	28.7	24.6	44.4	13.7	37.2
REPAIR AND PLASTIC OPERATIONS ON JOINTS OF FOOT AND TOES.....87.2	56.0	26.9	66.3	25.9	132.9
REPAIR AND PLASTIC OPERATIONS ON OTHER JOINTS...87.3	47.8	40.2	59.1	29.5	73.2
SPINAL FUSION.....87.4	25.5	12.4	31.6	22.5	38.9
ARTHRODESIS AND STABILIZATION OF JOINTS (EXCEPT SPINE).....87.5-87.6	16.1	18.3	18.0	9.6	22.1
CLOSED REDUCTION OF DISLOCATION OF JOINT.....87.7	14.8	17.0	18.4	9.4	*16.1
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....88-89	172.3	168.0	190.7	141.6	204.8
OTHER ORTHOPEDIC SURGERY.....RESIDUAL	251.3	224.1	303.1	198.1	303.6
PLASTIC SURGERY.....92-94	496.3	478.8	589.3	441.1	475.8
INCISION OF SKIN AND SUBCUTANEOUS TISSUE.....92.0	58.9	65.8	60.4	52.3	59.2
EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSUE.....92.1-92.2	208.0	213.9	244.0	192.2	173.4
SUTURE OF SKIN OR MUCOUS MEMBRANE.....92.5	91.7	78.1	100.5	85.7	106.8
PLASTIC OPERATIONS ON LIP AND MOUTH.....93.1	8.4	9.6	10.2	*6.2	*7.8
SKIN GRAFT EXCEPT LIP AND MOUTH.....93.2-93.6	61.9	57.0	72.7	56.0	62.6
OTHER PLASTIC SURGERY.....RESIDUAL	67.4	54.3	101.6	48.7	65.9
ORAL AND MAXILLOFACIAL SURGERY.....95-98	87.7	85.8	115.6	69.6	79.8
EXCISION OF SALIVARY GLANDS, LOCAL OR TOTAL.....95.1	15.0	14.9	18.4	11.1	*17.3
REDUCTION OF FRACTURE AND FRACTURE-DISLOCATION OF JAWBONE.....98	26.4	25.1	31.5	22.7	26.8
OTHER ORAL AND MAXILLOFACIAL SURGERY.....RESIDUAL	46.3	45.8	65.7	35.9	35.7
DENTAL SURGERY.....99	190.2	292.5	258.1	133.3	53.6
EXTRACTION OF TOOTH, FORCEPS EXTRACTION.....99.3	63.4	92.0	80.2	51.5	21.4
SURGICAL REMOVAL OF TOOTH.....99.4	71.7	125.3	99.1	42.3	*12.0
ALVEOLOPLASTY.....99.7	23.7	34.4	36.9	15.8	*3.2
OTHER DENTAL SURGERY.....RESIDUAL	31.4	40.8	41.8	23.7	*17.1
BIOPSY.....A1-A2	529.2	582.2	641.6	439.7	448.0

1/ LIMITED TO ESTIMATED NUMBER OF APPENDICOMIES EXCLUDING THOSE PERFORMED INCIDENTAL TO OTHER ABDOMINAL SURGERY.
 2/ EXCLUDES SOME OBSTETRICAL PROCEDURES (ICDA CODES 75.0-75.6 AND 75.9) FOR INDUCING OR ASSISTING DELIVERY.

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

TABLE 7. NUMBER OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND HOSPITAL SIZE: UNITED STATES, 1975

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL SIZES	6-99 BEDS	100-199 BEDS	200-299 BEDS	300-499 BEDS	500 BEDS OR MORE
NUMBER OF ALL-LISTED OPERATIONS IN THOUSANDS						
ALL OPERATIONS.....	20,040	2,759	3,040	3,290	5,937	5,015
NEUROSURGERY.....01-05	348	48	31	39	112	118
INCISION AND EXCISION OF SKULL AND INTRACRANIAL STRUCTURES.....01	55	*1	*4	*5	18	27
LAMINECTOMY.....03.0	31	*2	*3	*4	11	11
OPERATIONS ON PERIPHERAL NERVES.....04	180	40	18	21	52	48
OTHER NEUROSURGERY.....RESIDUAL	82	*5	*6	*9	31	32
OPHTHALMOLOGY.....06-14	758	69	117	102	239	232
RESECTION AND RESECTION OF EYE MUSCLE.....10.5-10.6	83	*6	12	11	30	24
REATTACHMENT OF RETINA.....13.4-13.5	28	*0	*2	*1	8	17
EXTRACTION OF LENS.....14.4-14.6	393	23	57	51	112	89
OTHER EYE SURGERY.....RESIDUAL	315	39	46	38	89	103
OTORHINOLARYNGOLOGY.....16-21	1,742	247	281	307	547	360
MYRINGOTOMY.....17.0	220	15	38	42	81	44
STAPEDECTOMY WITH OSSICULAR RECONSTRUCTION.....17.4	27	*1	*7	*2	8	10
TYMPANOPLASTY.....17.6-17.7	72	*2	11	13	25	22
EXCISION OF LESION OF NOSE.....19.0	48	*7	*7	*6	16	12
SECTION OF NASAL SEPTUM.....19.1	70	17	12	*8	18	15
RHINOPLASTY AND REPAIR OF NOSE.....19.3	166	25	28	24	52	37
TRACHEOTOMY OR TRACHEOSTOMY, EMERGENCY.....20.5	43	*1	*5	*6	11	19
TONSILLECTOMY WITHOUT ADENOIDECTOMY.....21.1	221	44	33	43	68	34
TONSILLECTOMY WITH ADENOIDECTOMY.....21.2	464	95	78	91	131	69
ADENOIDECTOMY WITHOUT TONSILLECTOMY.....21.3	73	*5	15	12	26	15
OTHER OPERATIONS ON EARS, NOSE, AND THROAT..RESIDUAL	337	35	47	62	111	83
OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....22-23	101	14	11	16	32	29
THYROIDECTOMY.....22.1-22.2	81	13	*8	13	25	21
OTHER OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....RESIDUAL	21	*1	*3	*2	7	8
VASCULAR AND CARDIAC SURGERY.....24-30	888	44	67	123	279	374
EXCISION AND LIGATION OF VARICOSE VEINS.....24.4	95	15	16	17	27	19
OTHER OPERATIONS ON PERIPHERAL BLOOD VESSELS.....24.0-24.3, 24.5-24.9	130	*7	11	15	48	49
INCISION AND EXCISION OF LYMPHATIC STRUCTURE.....25.0-25.2	67	*6	*9	11	21	21
OPERATIONS ON VALVES OF HEART.....29.2-29.4	23	*1	*0	*2	7	13
CARDIAC REVASCULARIZATION.....29.8	57	*0	*1	*5	18	33
CARDIAC CATHETERIZATION.....30.2	189	*4	*5	24	53	103
INSERTION OR REPLACEMENT OF ELECTRIC HEART DEVICE.....30.4-30.5	96	*3	*8	21	31	33
OTHER VASCULAR AND CARDIAC SURGERY.....RESIDUAL	232	*9	17	28	74	103
THORACIC SURGERY.....32-35	271	25	30	44	85	86
THORACOTOMY AND PLEUROTOMY.....32.0	74	*6	*7	13	25	23
LUNG LOBECTOMY AND PNEUMONECTOMY.....34.2-34.4	39	*1	*4	*6	13	14
OTHER THORACIC SURGERY.....RESIDUAL	158	19	19	25	46	50
ABDOMINAL SURGERY.....38-48	2,894	488	471	477	804	653
REPAIR OF INGUINAL HERNIA.....38.2-38.3	549	92	92	99	158	108
OTHER HERNIA REPAIR.....38.0-38.1, 38.4-38.9	239	50	41	40	58	49
EXPLORATORY LAPAROTOMY OR CELIOTOMY.....39.1	281	40	44	43	84	71
1/ APPENDECTOMY.....41.1	319	75	50	58	83	53
CHOLECYSTECTOMY.....43.5	442	86	81	73	115	88
SPLENECTOMY.....45.1	36	*2	*4	*7	11	12
GASTRIC RESECTION, PARTIAL OR COMPLETE.....46.2-46.3	56	*8	*8	*6	19	15
VAGOTOMY.....46.8	53	10	*8	*5	15	14
RESECTION OF SMALL INTESTINE OR COLON.....47.4-47.6	153	16	23	24	46	44
ILEOSTOMY, COLOSTOMY, AND OTHER ENTEROSTOMY.....47.7-47.9	70	*9	12	10	20	19
OTHER ABDOMINAL SURGERY.....RESIDUAL	697	100	108	114	194	182

SEE FOOTNOTES AT END OF TABLE.

TABLE 7. NUMBER OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND HOSPITAL SIZE: UNITED STATES, 1975--CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL SIZES	6-99 BEDS	100-199 BEDS	200-299 BEDS	300-499 BEDS	500 BEDS OR MORE
NUMBER OF ALL-LISTED OPERATIONS IN THOUSANDS						
PROCTOLOGICAL SURGERY.....50-52	575	89	87	114	162	123
LOCAL EXCISION AND DESTRUCTION OF						
LESION OF RECTUM AND ANUS.....50.2,51.2	139	18	21	28	40	31
HEMORRHOIDECTOMY.....51.3	201	38	34	39	52	38
EXCISION OF PILONIDAL SINUS OR CYST.....52.1	66	*9	10	12	18	16
OTHER PROCTOLOGICAL SURGERY.....RESIDUAL	169	23	22	36	52	37
UROLOGICAL SURGERY.....54-61	1,575	165	263	295	470	383
NEPHROTOMY AND PYELOTOMY.....54.0-54.1	33	*2	*4	*6	10	11
NEPHRECTOMY.....54.4-54.5	34	*3	*5	*5	9	12
PASSAGE OF CATHETER TO KIDNEY.....55.7	81	*4	14	18	25	20
LOCAL EXCISION AND DESTRUCTION OF						
LESION OF BLADDER.....56.1-56.2	105	*8	20	19	33	25
REMOVAL OF CALCULUS AND DRAINAGE OF						
BLADDER WITHOUT INCISION.....56.8	31	*3	*4	*7	7	10
MEATOTOMY (URETHRAL).....57.1	63	*7	*9	12	22	13
EXCISION OR DESTRUCTION OF LESION OF URETHRA.....57.2	22	*2	*3	*4	8	5
DILATION OF URETHRA.....57.5	250	24	50	56	73	48
PROSTATECTOMY.....58.1-58.3	266	22	46	43	86	69
EXCISION OF HYDROCELE AND HEMATOCELE.....59.1	73	12	11	15	23	12
ORCHIOPEXY.....59.7	31	*5	*6	*4	9	7
VASECTOMY.....60.1	52	*9	10	11	12	10
CIRCUMCISION.....61.2	111	21	19	21	26	24
OTHER UROLOGICAL SURGERY.....RESIDUAL	424	44	61	76	127	117
BREAST SURGERY.....65	417	68	58	65	124	103
PARTIAL MASTECTOMY.....65.2	228	33	34	40	73	49
COMPLETE AND RADICAL MASTECTOMY.....65.3-65.6	111	15	15	16	34	31
OTHER BREAST SURGERY.....RESIDUAL	77	19	*9	*9	17	23
GYNECOLOGICAL SURGERY.....67-72	3,893	556	700	662	1,112	862
LOCAL EXCISION OR DESTRUCTION OF						
LESION OF OVARY.....67.1	79	13	18	*8	24	16
OOPHORECTOMY; SALPINGO-OOPHORECTOMY.....67.2-67.5	471	68	84	80	128	112
SALPINGECTOMY, BILATERAL.....68.2	175	29	30	36	47	33
LIGATION AND DIVISION OF FALLOPIAN						
TUBES (BILATERAL).....68.5	368	65	63	57	92	92
HYSTERECTOMY.....69.1-69.5	725	106	136	114	194	175
LOCAL EXCISION AND DESTRUCTION OF						
OTHER LESIONS OF UTERUS, CERVIX,						
AND SUPPORTING TISSUES.....70.2	133	19	31	24	37	22
DILATION AND CURETTAGE OF UTERUS, DIAGNOSTIC.....70.3	977	134	166	172	311	194
TRACHELECTOMY.....70.4	108	15	18	26	30	18
COLPORRHAPHY.....71.3	48	*4	*8	*7	16	12
PLASTIC REPAIR OF CYSTOCELE AND/OR RECTOCELE.....71.4	196	32	39	32	51	42
OTHER GYNECOLOGICAL SURGERY.....RESIDUAL	613	73	106	105	182	146
2/ OBSTETRICAL PROCEDURES.....74-78	1,254	143	193	191	360	366
ANTEPARTUM PROCEDURES TO TERMINATE						
PREGNANCY.....74.6-74.9	227	13	42	30	51	91
CESAREAN SECTION.....77	328	36	51	52	101	87
DILATION AND CURETTAGE AFTER DELIVERY						
OR ABORTION.....78.1	291	43	46	46	86	70
REPAIR OF LACERATION.....78.2-78.3	227	30	31	36	65	66
OTHER OBSTETRICAL PROCEDURES.....RESIDUAL	180	21	23	27	57	51

SEE FOOTNOTES AT END OF TABLE.

TABLE 7. NUMBER OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND HOSPITAL SIZE: UNITED STATES, 1975--CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL SIZES	6-99 BEDS	100-199 BEDS	200-299 BEDS	300-499 BEDS	500 BEDS OR MORE
NUMBER OF ALL-LISTED OPERATIONS IN THOUSANDS						
ORTHOPEDIC SURGERY.....80-90	2,598	424	336	423	796	619
INCISION AND DIVISION OF BONES.....80.0-80.3	83	39	*6	*5	18	15
EXCISION OF BONE, PARTIAL.....80.4	162	48	16	19	45	35
REMOVAL OF FIXATION DEVICE (INTERNAL).....80.8	81	*6	11	15	27	21
CLOSED REDUCTION OF FRACTURE WITHOUT FIXATION...82.0	308	70	50	57	79	51
OPEN REDUCTION OF FRACTURE WITHOUT FIXATION....82.1	82	*7	12	18	26	19
REDUCTION OF FRACTURE WITH FIXATION.....82.2	298	32	48	57	92	69
EXCISION OF INTERVERTEBRAL CARTILAGE (PROLAPSED DISK).....86.4	149	11	15	22	55	46
EXCISION OF SEMILUNAR CARTILAGE OF KNEE JOINT...86.5	154	14	20	29	51	40
ARTHROPLASTY OF HIP.....87.0	60	*3	*5	*9	20	23
REPAIR AND PLASTIC OPERATIONS ON JOINTS OF FOOT AND TOES.....87.2	117	65	11	11	20	10
REPAIR AND PLASTIC OPERATIONS ON OTHER JOINTS...87.3	100	*4	14	18	32	32
SPINAL FUSION.....87.4	53	*4	*6	*8	16	19
ARTHRODESIS AND STABILIZATION OF JOINTS (EXCEPT SPINE).....87.5-87.6	34	*2	*5	*4	12	11
CLOSED REDUCTION OF DISLOCATION OF JOINT.....87.7	31	*7	*6	*6	7	6
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....88-89	360	46	51	58	120	85
OTHER ORTHOPEDIC SURGERY.....RESIDUAL	526	67	60	87	175	136
PLASTIC SURGERY.....92-94	1,038	207	156	162	280	233
INCISION OF SKIN AND SUBCUTANEOUS TISSUE.....92.0	123	16	19	23	34	32
EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSUE.....92.1-92.2	435	84	73	64	121	92
SUTURE OF SKIN OR MUCOUS MEMBRANE.....92.5	192	53	33	36	38	31
PLASTIC OPERATIONS ON LIP AND MOUTH.....93.1	17	*2	*2	*4	6	4
SKIN GRAFT EXCEPT LIP AND MOUTH.....93.2-93.6	130	12	13	21	44	39
OTHER PLASTIC SURGERY.....RESIDUAL	141	40	15	15	37	35
ORAL AND MAXILLOFACIAL SURGERY.....95-98	183	15	26	28	59	55
EXCISION OF SALIVARY GLANDS, LOCAL OR TOTAL....95.1	31	*3	*5	*6	9	9
REDUCTION OF FRACTURE AND FRACTURE- DISLOCATION OF JAWBONE.....98	55	*3	*8	*9	19	17
OTHER ORAL AND MAXILLOFACIAL SURGERY.....RESIDUAL	97	*9	14	13	31	30
DENTAL SURGERY.....99	398	36	67	61	134	99
EXTRACTION OF TOOTH, FORCEPS EXTRACTION.....99.3	133	16	23	24	40	31
SURGICAL REMOVAL OF TOOTH.....99.4	150	*6	26	23	56	39
ALVEOLOPLASTY.....99.7	49	*4	*8	*9	17	13
OTHER DENTAL SURGERY.....RESIDUAL	66	10	11	*6	21	17
BIOPSY.....A1-A2	1,107	120	145	179	341	320

1/ LIMITED TO ESTIMATED NUMBER OF APPENDECTOMIES EXCLUDING THOSE PERFORMED INCIDENTAL TO OTHER ABDOMINAL SURGERY.
2/ EXCLUDES SOME OBSTETRICAL PROCEDURES (ICDA CODES 75.0-75.6 AND 75.9) FOR INDUCING OR ASSISTING DELIVERY.

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

TABLE 8. PERCENT DISTRIBUTION OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS BY SURGICAL CATEGORY, ACCORDING TO HOSPITAL SIZE: UNITED STATES, 1975

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL SIZES	6-99 BEDS	100-199 BEDS	200-299 BEDS	300-499 BEDS	500 BEDS OR MORE
	PERCENT DISTRIBUTION					
ALL OPERATIONS.....	100.0	100.0	100.0	100.0	100.0	100.0
NEUROSURGERY.....01-05	1.7	1.7	1.0	1.2	1.9	2.3
INCISION AND EXCISION OF SKULL AND INTRACRANIAL STRUCTURES.....01	0.3	*0.0	*0.1	*0.2	0.3	0.5
LAMINECTOMY.....03.0	0.2	*0.1	*0.1	*0.1	0.2	0.2
OPERATIONS ON PERIPHERAL NERVES.....04	0.9	1.5	0.6	0.7	0.9	1.0
OTHER NEUROSURGERY.....RESIDUAL	0.4	*0.2	*0.2	*0.3	0.5	0.6
OPHTHALMOLOGY.....06-14	3.8	2.5	3.8	3.1	4.0	4.6
RESECTION AND RECESSIGN OF EYE MUSCLE.....10.5-10.6	0.4	*0.2	0.4	0.3	0.5	0.5
REATTACHMENT OF RETINA.....13.4-13.5	0.1	*0.0	*0.1	*0.0	0.1	0.3
EXTRACTION OF LENS.....14.4-14.6	1.7	0.8	1.9	1.6	1.9	1.8
OTHER EYE SURGERY.....RESIDUAL	1.6	1.4	1.5	1.2	1.5	2.0
OTORHINOLARYNGOLOGY.....16-21	8.7	8.9	9.3	9.3	9.2	7.2
MYRINGOTOMY.....17.0	1.1	0.6	1.2	1.3	1.4	0.9
STAPEDECTOMY WITH OSSICULAR RECONSTRUCTION.....17.4	0.1	*0.0	*0.2	*0.1	0.1	0.2
TYMPANOPLASTY.....17.6-17.7	0.4	*0.1	0.4	0.4	0.4	0.4
EXCISION OF LESION OF NOSE.....19.0	0.2	*0.2	*0.2	*0.2	0.3	0.2
SECTION OF NASAL SEPTUM.....19.1	0.3	0.6	0.4	*0.2	0.3	0.3
RHINOPLASTY AND REPAIR OF NOSE.....19.3	0.8	0.9	0.9	0.7	0.9	0.7
TRACHEOTOMY OR TRACHEOSTOMY, EMERGENCY.....20.5	0.2	*0.0	*0.2	*0.2	0.2	0.4
TONSILLECTOMY WITHOUT ADENOIDECTOMY.....21.1	1.1	1.6	1.1	1.3	1.1	0.7
TONSILLECTOMY WITH ADENOIDECTOMY.....21.2	2.3	3.4	2.6	2.8	2.2	1.4
ADENOIDECTOMY WITHOUT TONSILLECTOMY.....21.3	0.4	*0.2	0.5	0.4	0.4	0.3
OTHER OPERATIONS ON EARS, NOSE, AND THROAT..RESIDUAL	1.7	1.3	1.5	1.9	1.9	1.7
OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....22-23	0.5	0.5	0.4	0.5	0.5	0.6
THYROIDECTOMY.....22.1-22.2	0.4	0.5	*0.3	0.4	0.4	0.4
OTHER OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....RESIDUAL	0.1	*0.0	*0.1	*0.1	0.1	0.2
VASCULAR AND CARDIAC SURGERY.....24-30	4.4	1.6	2.2	3.7	4.7	7.5
EXCISION AND LIGATION OF VARICOSE VEINS.....24.4	0.5	0.5	0.5	0.5	0.5	0.4
OTHER OPERATIONS ON PERIPHERAL BLOOD VESSELS.....24.0-24.3,24.5-24.9	0.6	*0.2	0.4	0.5	0.8	1.0
INCISION AND EXCISION OF LYMPHATIC STRUCTURE.....25.0-25.2	0.3	*0.2	*0.3	0.3	0.4	0.4
OPERATIONS ON VALVES OF HEART.....29.2-29.4	0.1	*0.0	*0.0	*0.1	0.1	0.3
CARDIAC REVASCULARIZATION.....29.8	0.3	*0.0	*0.0	*0.2	0.3	0.7
CARDIAC CATHETERIZATION.....30.2	0.9	*0.1	*0.2	0.7	0.9	2.1
INSERTION OR REPLACEMENT OF ELECTRIC HEART DEVICE.....30.4-30.5	0.5	*0.1	*0.3	0.6	0.5	0.7
OTHER VASCULAR AND CARDIAC SURGERY.....RESIDUAL	1.2	*0.3	0.6	0.9	1.3	2.0
THORACIC SURGERY.....32-35	1.4	0.9	1.0	1.4	1.4	1.7
THORACOTOMY AND PLEUROTOMY.....32.0	0.4	*0.2	*0.2	0.4	0.4	0.5
LUNG LOBECTOMY AND PNEUMONECTOMY.....34.2-34.4	0.2	*0.0	*0.1	*0.2	0.2	0.3
OTHER THORACIC SURGERY.....RESIDUAL	0.8	0.7	0.6	0.8	0.8	1.0
ABDOMINAL SURGERY.....38-48	14.4	17.7	15.5	14.5	13.5	13.0
REPAIR OF INGUINAL HERNIA.....38.2-38.3	2.7	3.3	3.0	3.0	2.7	2.2
OTHER HERNIA REPAIR.....38.0-38.1,38.4-38.9	1.2	1.8	1.4	1.2	1.0	1.0
EXPLORATORY LAPAROTOMY OR CELIOTOMY.....39.1	1.4	1.5	1.4	1.3	1.4	1.4
APPENDECTOMY.....41.1	1.6	2.7	1.6	1.8	1.4	1.1
CHOLECYSTECTOMY.....43.5	2.2	3.1	2.7	2.2	1.9	1.8
SPLENECTOMY.....45.1	0.2	*0.1	*0.1	*0.2	0.2	0.2
GASTRIC RESECTION, PARTIAL OR COMPLETE.....46.2-46.3	0.3	*0.3	*0.3	*0.2	0.3	0.3
VAGOTOMY.....46.8	0.3	0.4	*0.3	*0.2	0.3	0.3
RESECTION OF SMALL INTESTINE OR COLON.....47.4-47.6	0.8	0.6	0.8	0.7	0.8	0.9
ILEOSTOMY, COLOSTOMY, AND OTHER ENTEROSTOMY.....47.7-47.9	0.3	*0.3	0.4	0.3	0.3	0.4
OTHER ABDOMINAL SURGERY.....RESIDUAL	3.5	3.6	3.6	3.5	3.3	3.6

SEE FOOTNOTES AT END OF TABLE.

TABLE 8. PERCENT DISTRIBUTION OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS BY SURGICAL CATEGORY, ACCORDING TO HOSPITAL SIZE: UNITED STATES, 1975--CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL SIZES	6-99 BEDS	100-199 BEDS	200-299 BEDS	300-499 BEDS	500 BEDS OR MORE
PERCENT DISTRIBUTION						
PROCTOLOGICAL SURGERY.....50-52	2.9	3.2	2.9	3.5	2.7	2.4
LOCAL EXCISION AND DESTRUCTION OF LESION OF RECTUM AND ANUS.....50.2,51.2	0.7	0.7	0.7	0.9	0.7	0.6
HEMORRHOIDECTOMY.....51.3	1.0	1.4	1.1	1.2	0.9	0.8
EXCISION OF PILONIDAL SINUS OR CYST.....52.1	0.3	*0.3	0.3	0.4	0.3	0.3
OTHER PROCTOLOGICAL SURGERY.....RESIDUAL	0.8	0.8	0.7	1.1	0.9	0.7
UROLOGICAL SURGERY.....54-61	7.9	6.0	8.6	9.0	7.9	7.6
NEPHROTOMY AND PYELOTOMY.....54.0-54.1	0.2	*0.1	*0.1	*0.2	0.2	0.2
NEPHRECTOMY.....54.4-54.5	0.2	*0.1	*0.2	*0.1	0.2	0.2
PASSAGE OF CATHETER TO KIDNEY.....55.7	0.4	*0.2	0.5	0.5	0.4	0.4
LOCAL EXCISION AND DESTRUCTION OF LESION OF BLADDER.....56.1-56.2	0.5	*0.3	0.7	0.6	0.6	0.5
REMOVAL OF CALCULUS AND DRAINAGE OF BLADDER WITHOUT INCISION.....56.8	0.2	*0.1	*0.1	*0.2	0.1	0.2
MEATOTOMY (URETHRAL).....57.1	0.3	*0.3	*0.3	0.4	0.4	0.3
EXCISION OR DESTRUCTION OF LESION OF URETHRA.....57.2	0.1	*0.1	*0.1	*0.1	0.1	0.1
DILATION OF URETHRA.....57.5	1.2	0.9	1.6	1.7	1.2	0.9
PROSTATECTOMY.....58.1-58.3	1.3	0.8	1.5	1.3	1.4	1.4
EXCISION OF HYDROCELE AND HEMATOCELE.....59.1	0.4	0.4	0.3	0.5	0.4	0.2
ORCHIOPEXY.....59.7	0.2	*0.2	*0.2	*0.1	0.2	0.1
VASECTOMY.....60.1	0.3	*0.3	0.3	0.3	0.2	0.2
CIRCUMCISION.....61.2	0.6	0.7	0.6	0.6	0.4	0.5
OTHER UROLOGICAL SURGERY.....RESIDUAL	2.1	1.6	2.0	2.3	2.1	2.3
BREAST SURGERY.....65	2.1	2.4	1.9	2.0	2.1	2.0
PARTIAL MASTECTOMY.....65.2	1.1	1.2	1.1	1.2	1.2	1.0
COMPLETE AND RADICAL MASTECTOMY.....65.3-65.6	0.6	0.6	0.5	0.5	0.6	0.6
OTHER BREAST SURGERY.....RESIDUAL	0.4	0.7	*0.3	*0.3	0.3	0.5
GYNECOLOGICAL SURGERY.....67-72	19.4	20.2	23.0	20.1	18.7	17.2
LOCAL EXCISION OR DESTRUCTION OF LESION OF OVARY.....67.1	0.4	0.5	0.6	*0.2	0.4	0.3
OOPHORECTOMY; SALPINGO-OOPHORECTOMY.....67.2-67.5	2.3	2.4	2.8	2.4	2.2	2.2
SALPINGECTOMY, BILATERAL.....68.2	0.9	1.0	1.0	1.1	0.8	0.7
LIGATION AND DIVISION OF FALLOPIAN TUBES (BILATERAL).....68.5	1.8	2.3	2.1	1.7	1.5	1.8
HYSTERECTOMY.....69.1-69.5	3.6	3.8	4.5	3.5	3.3	3.5
LOCAL EXCISION AND DESTRUCTION OF OTHER LESIONS OF UTERUS, CERVIX, AND SUPPORTING TISSUES.....70.2	0.7	0.7	1.0	0.7	0.6	0.4
DILATION AND CURETTAGE OF UTERUS, DIAGNOSTIC.....70.3	4.9	4.9	5.5	5.2	5.2	3.9
TRACHELECTOMY.....70.4	0.5	0.5	0.6	0.8	0.5	0.4
COLPORRHAPHY.....71.3	0.2	*0.2	*0.3	*0.2	0.3	0.2
PLASTIC REPAIR OF CYSTOCELE AND/OR RECTOCELE.....71.4	1.0	1.1	1.3	1.0	0.9	0.8
OTHER GYNECOLOGICAL SURGERY.....RESIDUAL	3.1	2.7	3.5	3.2	3.1	2.9
2/ OBSTETRICAL PROCEDURES.....74-78	6.3	5.2	6.4	5.8	6.1	7.3
ANTEPARTUM PROCEDURES TO TERMINATE PREGNANCY.....74.6-74.9	1.1	0.5	1.4	0.9	0.9	1.8
CESAREAN SECTION.....77	1.6	1.3	1.7	1.6	1.7	1.7
DILATION AND CURETTAGE AFTER DELIVERY OR ABORTION.....78.1	1.5	1.6	1.5	1.4	1.4	1.4
REPAIR OF LACERATION.....78.2-78.3	1.1	1.1	1.0	1.1	1.1	1.3
OTHER OBSTETRICAL PROCEDURES.....RESIDUAL	0.9	0.8	0.7	0.8	1.0	1.0

SEE FOOTNOTES AT END OF TABLE.

TABLE 8. PERCENT DISTRIBUTION OF ALL-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS BY SURGICAL CATEGORY, ACCORDING TO HOSPITAL SIZE: UNITED STATES, 1975--CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	PERCENT DISTRIBUTION					
	ALL SIZES	6-99 BEDS	100-199 BEDS	200-299 BEDS	300-499 BEDS	500 BEDS OR MORE
ORTHOPEDIC SURGERY.....80-90	13.0	15.4	11.1	12.9	13.4	12.3
INCISION AND DIVISION OF BONES.....80.0-80.3	0.4	1.4	*0.2	*0.2	0.3	0.3
EXCISION OF BONE, PARTIAL.....80.4	0.8	1.7	0.5	0.6	0.8	0.7
REMOVAL OF FIXATION DEVICE (INTERNAL).....80.8	0.4	*0.2	0.4	0.5	0.5	0.4
CLOSED REDUCTION OF FRACTURE WITHOUT FIXATION...82.0	1.5	2.5	1.7	1.7	1.3	1.0
OPEN REDUCTION OF FRACTURE WITHOUT FIXATION...82.1	0.4	*0.2	0.4	0.6	0.4	0.4
REDUCTION OF FRACTURE WITH FIXATION.....82.2	1.5	1.2	1.6	1.7	1.5	1.4
EXCISION OF INTERVERTEBRAL CARTILAGE (PROLAPSED DISK).....86.4	0.7	0.4	0.5	0.7	0.9	0.9
EXCISION OF SEMILUNAR CARTILAGE OF KNEE JOINT...86.5	0.8	0.5	0.7	0.9	0.9	0.8
ARTHROPLASTY OF HIP.....87.0	0.3	*0.1	*0.2	*0.3	0.3	0.5
REPAIR AND PLASTIC OPERATIONS ON JOINTS OF FOOT AND TOES.....87.2	0.6	2.3	0.4	0.3	0.3	0.2
REPAIR AND PLASTIC OPERATIONS ON OTHER JOINTS...87.3	0.5	*0.1	0.5	0.5	0.5	0.6
SPINAL FUSION.....87.4	0.3	*0.1	*0.2	*0.2	0.3	0.4
ARTHRODESIS AND STABILIZATION OF JOINTS (EXCEPT SPINE).....87.5-87.6	0.2	*0.1	*0.2	*0.1	0.2	0.2
CLOSED REDUCTION OF DISLOCATION OF JOINT.....87.7	0.2	*0.2	*0.2	*0.2	0.1	0.1
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....88-89	1.8	1.7	1.7	1.7	2.0	1.7
OTHER ORTHOPEDIC SURGERY.....RESIDUAL	2.6	2.4	2.0	2.6	3.0	2.7
PLASTIC SURGERY.....92-94	5.2	7.5	5.1	4.9	4.7	4.6
INCISION OF SKIN AND SUBCUTANEOUS TISSUE.....92.0	0.6	0.6	0.6	0.7	0.6	0.6
EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSUE.....92.1-92.2	2.2	3.0	2.4	1.9	2.0	1.8
SUTURE OF SKIN OR MUCOUS MEMBRANE.....92.5	1.0	1.9	1.1	1.1	0.6	0.6
PLASTIC OPERATIONS ON LIP AND MOUTH.....93.1	0.1	*0.1	*0.1	*0.1	0.1	0.1
SKIN GRAFT EXCEPT LIP AND MOUTH.....93.2-93.6	0.6	0.5	0.4	0.6	0.7	0.8
OTHER PLASTIC SURGERY.....RESIDUAL	0.7	1.4	0.5	0.4	0.6	0.7
ORAL AND MAXILLOFACIAL SURGERY.....95-98	0.9	0.5	0.9	0.8	1.0	1.1
EXCISION OF SALIVARY GLANDS, LOCAL OR TOTAL....95.1	0.2	*0.1	*0.2	*0.2	0.1	0.2
REDUCTION OF FRACTURE AND FRACTURE- DISLOCATION OF JAWBONE.....98	0.3	*0.1	*0.3	*0.3	0.3	0.3
OTHER ORAL AND MAXILLOFACIAL SURGERY.....RESIDUAL	0.5	*0.3	0.5	0.4	0.5	0.6
DENTAL SURGERY.....99	2.0	1.3	2.2	1.9	2.3	2.0
EXTRACTION OF TOOTH, FORCEPS EXTRACTION.....99.3	0.7	0.6	0.8	0.7	0.7	0.6
SURGICAL REMOVAL OF TOOTH.....99.4	0.7	*0.2	0.8	0.7	0.9	0.8
ALVEOLOPLASTY.....99.7	0.2	*0.1	*0.3	*0.3	0.3	0.2
OTHER DENTAL SURGERY.....RESIDUAL	0.3	0.4	0.4	*0.2	0.4	0.3
BIOPSY.....A1-A2	5.5	4.4	4.8	5.5	5.7	6.4

1/ LIMITED TO ESTIMATED NUMBER OF APPENDECTOMIES EXCLUDING THOSE PERFORMED INCIDENTAL TO OTHER ABDOMINAL SURGERY.
2/ EXCLUDES SOME OBSTETRICAL PROCEDURES (ICDA CODES 75.0-75.6 AND 75.9) FOR INDUCING OR ASSISTING DELIVERY.

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

TABLE 9. NUMBER OF FIRST-LISTED OPERATIONS AND AVERAGE LENGTH OF STAY FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND SEX: UNITED STATES, 1975

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
	NUMBER OF FIRST-LISTED OPERATIONS IN THOUSANDS			AVERAGE LENGTH OF STAY IN DAYS		
ALL OPERATIONS.....	14,189	5,401	8,787	7.9	8.8	7.3
NEUROSURGERY.....01-05	249	123	126	13.7	15.6	12.0
INCISION AND EXCISION OF SKULL AND INTRACRANIAL STRUCTURES.....01	48	25	23	24.9	27.4	22.2
LAMINECTOMY.....03.0	27	17	10	20.7	20.3	21.3
OPERATIONS ON PERIPHERAL NERVES.....04	112	46	66	5.2	5.0	5.3
OTHER NEUROSURGERY.....RESIDUAL	62	35	27	17.5	18.7	15.9
OPHTHALMOLOGY.....06-14	609	265	344	4.9	4.8	5.0
RESECTION AND RECESSON OF EYE MUSCLE.....10.5-10.6	62	31	31	2.3	2.4	2.3
REATTACHMENT OF RETINA.....13.4-13.5	26	13	13	8.0	6.6	9.3
EXTRACTION OF LENS.....14.4-14.6	326	130	196	5.5	5.4	5.6
OTHER EYE SURGERY.....RESIDUAL	195	91	104	4.3	4.4	4.3
OTORHINOLARYNGOLOGY.....16-21	1,307	619	688	3.5	3.6	3.3
MYRINGOTOMY.....17.0	80	44	36	3.6	3.4	4.0
STAPEDECTOMY WITH OSSICULAR RECONSTRUCTION.....17.4	18	6	11	2.9	2.7	3.0
TYMPANOPLASTY.....17.6-17.7	59	26	34	2.8	2.6	2.8
EXCISION OF LESION OF NOSE.....19.0	29	15	13	4.0	3.7	4.4
SECTION OF NASAL SEPTUM.....19.1	43	21	22	3.6	3.5	3.7
RHINOPLASTY AND REPAIR OF NOSE.....19.3	126	58	69	3.6	3.4	3.8
TRACHEOTOMY OR TRACHEOSTOMY, EMERGENCY.....20.5	25	19	7	29.5	26.5	37.7
TONSILLECTOMY WITHOUT ADENOIDECTOMY.....21.1	219	66	153	2.4	2.4	2.4
TONSILLECTOMY WITH ADENOIDECTOMY.....21.2	452	222	230	2.0	1.8	2.2
ADENOIDECTOMY WITHOUT TONSILLECTOMY.....21.3	58	30	28	1.6	1.6	1.5
OTHER OPERATIONS ON EARS, NOSE, AND THROAT..RESIDUAL	197	112	85	5.1	5.1	5.1
OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....22-23	86	14	72	7.8	7.9	7.7
THYROIDECTOMY.....22.1-22.2	74	10	65	7.2	6.7	7.2
OTHER OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....RESIDUAL	12	*4	8	11.5	*11.0	11.7
VASCULAR AND CARDIAC SURGERY.....24-30	678	393	285	11.4	11.7	11.0
EXCISION AND LIGATION OF VARICOSE VEINS.....24.4	87	26	61	6.4	6.5	6.4
OTHER OPERATIONS ON PERIPHERAL BLOOD VESSELS.....24.0-24.3,24.5-24.9	85	50	36	16.6	17.6	15.2
INCISION AND EXCISION OF LYMPHATIC STRUCTURE.....25.0-25.2	42	22	20	9.8	11.7	7.8
OPERATIONS ON VALVES OF HEART.....29.2-29.4	17	8	9	19.9	21.5	18.5
CARDIAC REVASCULARIZATION.....29.8	41	32	8	15.5	15.0	17.1
CARDIAC CATHETERIZATION.....30.2	179	119	61	6.5	6.7	6.2
INSERTION OR REPLACEMENT OF ELECTRIC HEART DEVICE.....30.4-30.5	81	44	37	12.3	11.4	13.4
OTHER VASCULAR AND CARDIAC SURGERY.....RESIDUAL	146	93	53	15.1	14.4	16.5
THORACIC SURGERY.....32-35	190	105	85	15.1	15.6	14.4
THORACOTOMY AND PLEUROTOMY.....32.0	58	36	22	14.5	14.1	15.0
LUNG LOBECTOMY AND PNEUMONECTOMY.....34.2-34.4	22	14	8	21.2	19.9	23.4
OTHER THORACIC SURGERY.....RESIDUAL	110	54	55	14.1	15.5	12.8
ABDOMINAL SURGERY.....38-48	2,049	1,049	1,000	10.6	9.7	11.6
REPAIR OF INGUINAL HERNIA.....38.2-38.3	507	449	58	5.7	5.7	5.8
OTHER HERNIA REPAIR.....38.0-38.1,38.4-38.9	171	64	107	8.4	8.5	8.3
EXPLORATORY LAPAROTOMY OR CELIOTOMY.....39.1	243	82	160	13.6	15.2	12.8
1/ APPENDECTOMY.....41.1	282	150	132	6.1	6.2	6.0
CHOLECYSTECTOMY.....43.5	397	90	306	11.9	13.2	11.5
SPLENECTOMY.....45.1	16	8	8	19.6	19.9	19.2
GASTRIC RESECTION, PARTIAL OR COMPLETE.....46.2-46.3	35	20	15	20.2	20.2	20.4
VAGOTOMY.....46.8	33	20	13	16.4	17.8	14.3
RESECTION OF SMALL INTESTINE OR COLON.....47.4-47.6	101	47	54	19.8	19.7	19.9
ILEOSTOMY, COLOSTOMY, AND OTHER ENTEROSTOMY.....47.7-47.9	21	11	10	25.1	24.2	26.1
OTHER ABDOMINAL SURGERY.....RESIDUAL	245	108	137	14.7	14.6	14.7

SEE FOOTNOTES AT END OF TABLE.

TABLE 9. NUMBER OF FIRST-LISTED OPERATIONS AND AVERAGE LENGTH OF STAY FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND SEX: UNITED STATES, 1975--CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
	NUMBER OF FIRST-LISTED OPERATIONS IN THOUSANDS			AVERAGE LENGTH OF STAY IN DAYS		
PROCTOLOGICAL SURGERY.....50-52	390	219	171	7.7	7.4	8.1
LOCAL EXCISION AND DESTRUCTION OF LESION OF RECTUM AND ANUS.....50.2,51.2	83	47	36	6.5	6.2	6.9
HEMORRHOIDECTOMY.....51.3	151	81	69	7.6	6.8	8.7
EXCISION OF PILONIDAL SINUS OR CYST.....52.1	64	39	25	8.1	9.4	6.0
OTHER PROCTOLOGICAL SURGERY.....RESIDUAL	92	51	41	8.8	8.2	9.4
UROLOGICAL SURGERY.....54-61	1,082	765	317	9.0	9.2	8.5
NEPHROTOMY AND PYELOTOMY.....54.0-54.1	26	15	11	15.1	13.3	17.4
NEPHRECTOMY.....54.4-54.5	25	13	12	15.9	16.6	15.2
PASSAGE OF CATHETER TO KIDNEY.....55.7	65	40	24	7.6	6.6	9.2
LOCAL EXCISION AND DESTRUCTION OF LESION OF BLADDER.....56.1-56.2	76	49	27	7.9	8.0	7.8
REMOVAL OF CALCULUS AND DRAINAGE OF BLADDER WITHOUT INCISION.....56.8	17	11	6	14.0	14.3	13.2
MEATOTOMY (URETHRAL).....57.1	43	32	11	4.4	3.9	5.7
EXCISION OR DESTRUCTION OF LESION OF URETHRA.....57.2	11	*4	7	6.2	*4.0	7.4
DILATION OF URETHRA.....57.5	214	75	139	6.6	8.1	5.8
PROSTATECTOMY.....58.1-58.3	213	213	...	13.2	13.2	...
EXCISION OF HYDROCELE AND HEMATOCELE.....59.1	33	33	...	5.5	5.5	...
ORCHIOPEXY.....59.7	21	21	...	4.9	4.9	...
VASECTOMY.....60.1	22	22	...	5.5	5.5	...
CIRCUMCISION.....61.2	93	93	...	3.5	3.5	...
OTHER UROLOGICAL SURGERY.....RESIDUAL	224	144	80	10.9	10.6	11.4
BREAST SURGERY.....65	332	20	312	5.4	3.6	5.5
PARTIAL MASTECTOMY.....65.2	209	5	204	3.5	2.8	3.5
COMPLETE AND RADICAL MASTECTOMY.....65.3-65.6	75	8	67	11.6	4.4	12.5
OTHER BREAST SURGERY.....RESIDUAL	49	8	41	4.0	3.4	4.1
GYNECOLOGICAL SURGERY.....67-72	2,262	...	2,262	5.7	...	5.7
LOCAL EXCISION OR DESTRUCTION OF LESION OF OVARY.....67.1	27	...	27	8.1	...	8.1
OPHORECTOMY; SALPINGO-OPHORECTOMY.....67.2-67.5	59	...	59	8.6	...	8.6
SALPINGECTOMY, BILATERAL.....68.2	84	...	84	4.2	...	4.2
LIGATION AND DIVISION OF FALLOPIAN TUBES (BILATERAL).....68.5	219	...	219	3.8	...	3.8
HYSTERECTOMY.....69.1-69.5	583	...	583	9.1	...	9.1
LOCAL EXCISION AND DESTRUCTION OF OTHER LESIONS OF UTERUS, CERVIX, AND SUPPORTING TISSUES.....70.2	29	...	29	6.0	...	6.0
DILATION AND CURETTAGE OF UTERUS, DIAGNOSTIC.....70.3	835	...	835	3.8	...	3.8
TRACHELECTOMY.....70.4	37	...	37	5.2	...	5.2
COLPORRHAPHY.....71.3	13	...	13	7.6	...	7.6
PLASTIC REPAIR OF CYSTOCELE AND/OR RECTOCELE.....71.4	64	...	64	9.3	...	9.3
OTHER GYNECOLOGICAL SURGERY.....RESIDUAL	312	...	312	4.3	...	4.3
2/ OBSTETRICAL PROCEDURES.....74-78	1,165	...	1,165	4.2	...	4.2
ANTEPARTUM PROCEDURES TO TERMINATE PREGNANCY.....74.6-74.9	211	...	211	2.4	...	2.4
CESAREAN SECTION.....77	325	...	325	7.1	...	7.1
DILATION AND CURETTAGE AFTER DELIVERY OR ABORTION.....78.1	268	...	268	2.6	...	2.6
REPAIR OF LACERATION.....78.2-78.3	203	...	203	3.5	...	3.5
OTHER OBSTETRICAL PROCEDURES.....RESIDUAL	157	...	157	4.0	...	4.0

SEE FOOTNOTES AT END OF TABLE.

TABLE 9. NUMBER OF FIRST-LISTED OPERATIONS AND AVERAGE LENGTH OF STAY FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND SEX: UNITED STATES, 1975--CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
	NUMBER OF FIRST-LISTED OPERATIONS IN THOUSANDS			AVERAGE LENGTH OF STAY IN DAYS		
ORTHOPEDIC SURGERY.....80-90	1,971	1,011	960	10.7	9.8	11.6
INCISION AND DIVISION OF BONES.....80.0-80.3	53	20	32	8.0	10.0	6.8
EXCISION OF BONE, PARTIAL.....80.4	91	44	47	7.0	6.8	7.1
REMOVAL OF FIXATION DEVICE (INTERNAL).....80.8	73	37	36	8.1	6.7	9.6
CLOSED REDUCTION OF FRACTURE WITHOUT FIXATION.....82.0	276	146	130	8.7	8.2	9.3
OPEN REDUCTION OF FRACTURE WITHOUT FIXATION.....82.1	70	46	24	11.1	10.8	11.7
REDUCTION OF FRACTURE WITH FIXATION.....82.2	279	116	164	17.7	14.3	20.1
EXCISION OF INTERVERTEBRAL CARTILAGE (PROLAPSED DISK).....86.4	145	85	60	14.6	13.5	16.0
EXCISION OF SEMILUNAR CARTILAGE OF KNEE JOINT.....86.5	85	60	25	6.8	6.6	7.2
ARTHROPLASTY OF HIP.....87.0	55	24	31	20.8	18.7	22.4
REPAIR AND PLASTIC OPERATIONS ON JOINTS OF FOOT AND TOES.....87.2	94	15	78	7.6	15.6	6.0
REPAIR AND PLASTIC OPERATIONS ON OTHER JOINTS.....87.3	74	43	31	11.7	8.9	15.7
SPINAL FUSION.....87.4	23	13	10	18.8	17.5	20.4
ARTHRODESIS AND STABILIZATION OF JOINTS (EXCEPT SPINE).....87.5-87.6	24	11	13	8.1	7.0	9.1
CLOSED REDUCTION OF DISLOCATION OF JOINT.....87.7	27	16	11	5.6	5.7	5.5
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....88-89	250	123	127	4.5	4.6	4.4
OTHER ORTHOPEDIC SURGERY.....RESIDUAL	354	211	143	11.2	10.3	12.6
PLASTIC SURGERY.....92-94	710	384	326	8.0	8.2	7.7
INCISION OF SKIN AND SUBCUTANEOUS TISSUE.....92.0	105	65	40	7.7	7.5	8.1
EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSUE.....92.1-92.2	309	145	164	7.0	7.3	6.7
SUTURE OF SKIN OR MUCOUS MEMBRANE.....92.5	137	97	40	5.9	5.5	6.9
PLASTIC OPERATIONS ON LIP AND MOUTH.....93.1	9	5	*4	5.3	4.9	*5.8
SKIN GRAFT EXCEPT LIP AND MOUTH.....93.2-93.6	63	42	21	22.4	21.3	24.6
OTHER PLASTIC SURGERY.....RESIDUAL	87	29	57	4.9	5.5	4.6
ORAL AND MAXILLOFACIAL SURGERY.....95-98	125	69	56	6.2	7.0	5.2
EXCISION OF SALIVARY GLANDS, LOCAL OR TOTAL.....95.1	29	13	16	5.7	6.7	4.8
REDUCTION OF FRACTURE AND FRACTURE-DISLOCATION OF JAWBONE.....98	42	31	11	7.1	7.4	6.2
OTHER ORAL AND MAXILLOFACIAL SURGERY.....RESIDUAL	54	25	29	5.8	6.7	5.1
DENTAL SURGERY.....99	289	107	182	3.0	3.2	2.9
EXTRACTION OF TOOTH, FORCEPS EXTRACTION.....99.3	109	43	66	3.8	4.4	3.4
SURGICAL REMOVAL OF TOOTH.....99.4	138	45	93	2.7	2.4	2.8
ALVEOLOPLASTY.....99.7	*3	*2	*1	*2.2	*1.8	*3.0
OTHER DENTAL SURGERY.....RESIDUAL	38	17	21	2.1	2.1	2.1
BIOPSY.....A1-A2	695	258	436	10.0	12.0	8.8

1/ LIMITED TO ESTIMATED NUMBER OF APPENDECTOMIES EXCLUDING THOSE PERFORMED INCIDENTAL TO OTHER ABDOMINAL SURGERY.
2/ EXCLUDES SOME OBSTETRICAL PROCEDURES (ICDA CODES 75.0-75.6 AND 75.9) FOR INDUCING OR ASSISTING DELIVERY.

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

TABLE 10. NUMBER OF FIRST-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND AGE: UNITED STATES, 1975

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER
NUMBER OF FIRST-LISTED OPERATIONS IN THOUSANDS					
ALL OPERATIONS.....	14,189	1,689	6,557	3,579	2,363
NEUROSURGERY.....01-05	249	21	90	94	44
INCISION AND EXCISION OF SKULL AND INTRACRANIAL STRUCTURES.....01	48	9	13	17	9
LAMINECTOMY.....03.0	27	*0	11	11	5
OPERATIONS ON PERIPHERAL NERVES.....04	112	*2	48	46	16
OTHER NEUROSURGERY.....RESIDUAL	62	10	17	20	15
OPHTHALMOLOGY.....06-14	609	78	83	157	291
RESECTION AND RESECTION OF EYE MUSCLE.....10.5-10.6	62	44	14	*3	*1
REATTACHMENT OF RETINA.....13.4-13.5	26	*0	7	11	7
EXTRACTION OF LENS.....14.4-14.6	326	*1	9	82	234
OTHER EYE SURGERY.....RESIDUAL	195	33	53	60	49
OTORHINOLARYNGOLOGY.....16-21	1,307	644	480	130	53
MYRINGOTOMY.....17.0	80	66	8	5	*1
STAPEDECTOMY WITH OSSICULAR RECONSTRUCTION.....17.4	18	-	7	9	*2
TYMPANOPLASTY.....17.6-17.7	59	13	30	14	*3
EXCISION OF LESION OF NOSE.....19.0	29	*3	7	11	8
SECTION OF NASAL SEPTUM.....19.1	43	*2	35	6	*1
RHINOPLASTY AND REPAIR OF NOSE.....19.3	126	*4	99	21	*3
TRACHEOTOMY OR TRACHEOSTOMY, EMERGENCY.....20.5	25	*3	6	9	8
TONSILLECTOMY WITHOUT ADENOIDECTOMY.....21.1	219	44	170	5	*0
TONSILLECTOMY WITH ADENOIDECTOMY.....21.2	452	414	37	*0	*0
ADENOIDECTOMY WITHOUT TONSILLECTOMY.....21.3	58	57	*1	-	-
OTHER OPERATIONS ON EARS, NOSE, AND THROAT..RESIDUAL	197	39	81	50	27
OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....22-23	86	*4	40	34	8
THYROIDECTOMY.....22.1-22.2	74	*1	36	30	7
OTHER OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....RESIDUAL	12	*2	*4	*4	*1
VASCULAR AND CARDIAC SURGERY.....24-30	678	44	138	309	187
EXCISION AND LIGATION OF VARICOSE VEINS.....24.4	87	*0	40	40	7
OTHER OPERATIONS ON PERIPHERAL BLOOD VESSELS.....24.0-24.3,24.5-24.9	85	*2	18	36	28
INCISION AND EXCISION OF LYMPHATIC STRUCTURE.....25.0-25.2	42	7	15	11	9
OPERATIONS ON VALVES OF HEART.....29.2-29.4	17	*1	5	9	*2
CARDIAC REVASCULARIZATION.....29.8	41	-	5	31	5
CARDIAC CATHETERIZATION.....30.2	179	21	40	101	18
INSERTION OR REPLACEMENT OF ELECTRIC HEART DEVICE.....30.4-30.5	81	-	*1	19	61
OTHER VASCULAR AND CARDIAC SURGERY.....RESIDUAL	146	13	14	62	57
THORACIC SURGERY.....32-35	190	8	53	69	60
THORACOTOMY AND PLEUROTOMY.....32.0	58	*2	22	23	11
LUNG LOBECTOMY AND PNEUMONECTOMY.....34.2-34.4	22	*0	*3	11	8
OTHER THORACIC SURGERY.....RESIDUAL	110	6	28	35	40
ABDOMINAL SURGERY.....38-48	2,049	270	691	635	454
REPAIR OF INGUINAL HERNIA.....38.2-38.3	507	104	125	169	109
OTHER HERNIA REPAIR.....38.0-38.1,38.4-38.9	171	26	43	67	34
EXPLORATORY LAPAROTOMY OR CELIOTOMY.....39.1	243	17	107	63	55
1/ APPENDECTOMY.....41.1	282	97	152	24	9
CHOLECYSTECTOMY.....43.5	397	*1	157	150	89
SPLENECTOMY.....45.1	16	*2	8	*3	*3
GASTRIC RESECTION, PARTIAL OR COMPLETE.....46.2-46.3	35	*0	7	17	12
VAGOTOMY.....46.8	33	-	12	13	7
RESECTION OF SMALL INTESTINE OR COLON.....47.4-47.6	101	*2	13	36	51
ILEOSTOMY, COLOSTOMY, AND OTHER ENTEROSTOMY.....47.7-47.9	21	*0	*2	7	12
OTHER ABDOMINAL SURGERY.....RESIDUAL	245	19	65	87	73

SEE FOOTNOTES AT END OF TABLE.

TABLE 10. NUMBER OF FIRST-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND AGE: UNITED STATES, 1975--CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER
NUMBER OF FIRST-LISTED OPERATIONS IN THOUSANDS					
PROCTOLOGICAL SURGERY.....50-52	390	7	210	128	46
LOCAL EXCISION AND DESTRUCTION OF LESION OF RECTUM AND ANUS.....50.2,51.2	83	*3	37	27	16
HEMORRHOIDECTOMY.....51.3	151	*1	75	63	13
EXCISION OF PILONIDAL SINUS OR CYST.....52.1	64	*1	58	5	*0
OTHER PROCTOLOGICAL SURGERY.....RESIDUAL	92	*2	39	34	17
UROLOGICAL SURGERY.....54-61	1,082	171	276	283	352
NEPHROTOMY AND PYELOTOMY.....54.0-54.1	26	*1	10	9	6
NEPHRECTOMY.....54.4-54.5	25	*2	6	11	6
PASSAGE OF CATHETER TO KIDNEY.....55.7	65	*3	27	23	12
LOCAL EXCISION AND DESTRUCTION OF LESION OF BLADDER.....56.1-56.2	76	*0	8	20	48
REMOVAL OF CALCULUS AND DRAINAGE OF BLADDER WITHOUT INCISION.....56.8	17	-	6	5	7
MEATOTOMY (URETHRAL).....57.1	43	24	6	6	6
EXCISION OR DESTRUCTION OF LESION OF URETHRA.....57.2	11	*1	*4	*3	*3
DILATION OF URETHRA.....57.5	214	44	63	50	56
PROSTATECTOMY.....58.1-58.3	213	*0	*0	64	148
EXCISION OF HYDROCELE AND HEMATOCELE.....59.1	33	7	9	11	6
ORCHIOPEXY.....59.7	21	16	5	-	-
VASECTOMY.....60.1	22	*0	14	*4	*4
CIRCUMCISION.....61.2	93	44	35	10	*4
OTHER UROLOGICAL SURGERY.....RESIDUAL	224	28	83	67	46
BREAST SURGERY.....65	332	5	159	118	49
PARTIAL MASTECTOMY.....65.2	209	*4	111	74	20
COMPLETE AND RADICAL MASTECTOMY.....65.3-65.6	75	*1	11	36	27
OTHER BREAST SURGERY.....RESIDUAL	49	*1	38	8	*2
GYNECOLOGICAL SURGERY.....67-72	2,262	16	1,558	584	103
LOCAL EXCISION OR DESTRUCTION OF LESION OF OVARY.....67.1	27	*0	24	*1	*2
OOPHORECTOMY; SALPINGO-OOPHORECTOMY.....67.2-67.5	59	*2	39	14	*4
SALPINGECTOMY, BILATERAL.....68.2	84	*0	82	*1	*0
LIGATION AND DIVISION OF FALLOPIAN TUBES (BILATERAL).....68.5	219	*0	216	*2	*0
HYSTERECTOMY.....69.1-69.5	583	*1	355	196	31
LOCAL EXCISION AND DESTRUCTION OF OTHER LESIONS OF UTERUS, CERVIX, AND SUPPORTING TISSUES.....70.2	29	*0	18	10	*2
DILATION AND CURETTAGE OF UTERUS, DIAGNOSTIC.....70.3	835	3	525	269	38
TRACHELECTOMY.....70.4	37	*0	26	7	*3
COLPORRHAPHY.....71.3	13	*0	8	*3	*1
PLASTIC REPAIR OF CYSTOCELE AND/OR RECTOCELE.....71.4	64	*0	16	36	11
OTHER GYNECOLOGICAL SURGERY.....RESIDUAL	312	8	249	43	12
2/ OBSTETRICAL PROCEDURES.....74-78	1,165	11	1,151	*3	...
ANTEPARTUM PROCEDURES TO TERMINATE PREGNANCY.....74.6-74.9	211	*4	206	*1	...
CESAREAN SECTION.....77	325	*2	322	*1	...
DILATION AND CURETTAGE AFTER DELIVERY OR ABORTION.....78.1	268	*1	266	*1	...
REPAIR OF LACERATION.....78.2-78.3	203	*1	201	*0	...
OTHER OBSTETRICAL PROCEDURES.....RESIDUAL	157	*2	155	*0	...

SEE FOOTNOTES AT END OF TABLE.

TABLE 10. NUMBER OF FIRST-LISTED OPERATIONS FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY AND AGE: UNITED STATES, 1975--CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER
NUMBER OF FIRST-LISTED OPERATIONS IN THOUSANDS					
ORTHOPEDIC SURGERY.....80-90	1,971	220	847	527	377
INCISION AND DIVISION OF BONES.....80.0-80.3	53	7	23	16	6
EXCISION OF BONE, PARTIAL.....80.4	91	9	46	28	9
REMOVAL OF FIXATION DEVICE (INTERNAL).....80.8	73	5	35	19	14
CLOSED REDUCTION OF FRACTURE WITHOUT FIXATION...82.0	276	95	84	49	48
OPEN REDUCTION OF FRACTURE WITHOUT FIXATION....82.1	70	8	38	13	11
REDUCTION OF FRACTURE WITH FIXATION.....82.2	279	13	75	53	138
EXCISION OF INTERVERTEBRAL CARTILAGE (PROLAPSED DISK).....86.4	145	*1	77	63	*4
EXCISION OF SEMILUNAR CARTILAGE OF KNEE JOINT...86.5	85	*2	65	16	*2
ARTHROPLASTY OF HIP.....87.0	55	*0	5	22	28
REPAIR AND PLASTIC OPERATIONS ON JOINTS OF FOOT AND TOES.....87.2	94	*3	36	39	16
REPAIR AND PLASTIC OPERATIONS ON OTHER JOINTS...87.3	74	*2	37	21	14
SPINAL FUSION.....87.4	23	*2	12	8	*1
ARTHRODESIS AND STABILIZATION OF JOINTS (EXCEPT SPINE).....87.5-87.6	24	*2	11	8	*3
CLOSED REDUCTION OF DISLOCATION OF JOINT.....87.7	27	*3	13	6	5
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....88-89	250	35	125	70	19
OTHER ORTHOPEDIC SURGERY.....RESIDUAL	354	33	164	98	58
PLASTIC SURGERY.....92-94	710	119	311	174	106
INCISION OF SKIN AND SUBCUTANEOUS TISSUE.....92.0	105	21	51	21	11
EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSUE.....92.1-92.2	309	40	119	90	60
SUTURE OF SKIN OR MUCOUS MEMBRANE.....92.5	137	22	79	22	14
PLASTIC OPERATIONS ON LIP AND MOUTH.....93.1	9	5	*3	-	*1
SKIN GRAFT EXCEPT LIP AND MOUTH.....93.2-93.6	63	13	23	15	11
OTHER PLASTIC SURGERY.....RESIDUAL	87	16	36	26	8
ORAL AND MAXILLOFACIAL SURGERY.....95-98	125	20	62	29	15
EXCISION OF SALIVARY GLANDS, LOCAL OR TOTAL....95.1	29	*1	9	12	6
REDUCTION OF FRACTURE AND FRACTURE-DISLOCATION OF JAWBONE.....98	42	*4	32	5	*1
OTHER ORAL AND MAXILLOFACIAL SURGERY.....RESIDUAL	54	14	20	12	7
DENTAL SURGERY.....99	289	29	198	49	13
EXTRACTION OF TOOTH, FORCEPS EXTRACTION.....99.3	109	8	68	24	10
SURGICAL REMOVAL OF TOOTH.....99.4	138	8	114	14	*3
ALVEOLOPLASTY.....99.7	*3	-	*1	*2	*1
OTHER DENTAL SURGERY.....RESIDUAL	38	14	14	9	*0
BIOPSY.....A1-A2	695	24	210	257	205

1/ LIMITED TO ESTIMATED NUMBER OF APPENDECTOMIES EXCLUDING THOSE PERFORMED INCIDENTAL TO OTHER ABDOMINAL SURGERY.

2/ EXCLUDES SOME OBSTETRICAL PROCEDURES (ICDA CODES 75.0-75.6 AND 75.9) FOR INDUCING OR ASSISTING DELIVERY.

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

TABLE 11. AVERAGE LENGTH OF STAY FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY OF FIRST-LISTED OPERATION AND AGE: UNITED STATES, 1975

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER
AVERAGE LENGTH OF STAY IN DAYS					
ALL OPERATIONS.....	7.9	4.1	5.9	9.4	13.5
NEUROSURGERY.....01-05	13.7	15.9	12.0	12.6	18.6
INCISION AND EXCISION OF SKULL AND INTRACRANIAL STRUCTURES.....01	24.9	18.9	25.7	23.5	32.2
LAMINECTOMY.....03.0	20.7	*49.0	22.3	16.9	24.5
OPERATIONS ON PERIPHERAL NERVES.....04	5.2	*5.2	4.7	5.1	6.8
OTHER NEUROSURGERY.....RESIDUAL	17.5	14.4	14.7	18.8	21.1
OPHTHALMOLOGY.....06-14	4.9	2.6	4.2	5.1	5.6
RESECTION AND RESECTION OF EYE MUSCLE.....10.5-10.6	2.3	2.3	2.3	*3.4	*3.1
REATTACHMENT OF RETINA.....13.4-13.5	8.0	*7.6	6.1	9.9	6.9
EXTRACTION OF LENS.....14.4-14.6	5.5	*3.5	4.4	5.1	5.7
OTHER EYE SURGERY.....RESIDUAL	4.3	2.9	4.5	4.4	5.0
OTORHINOLARYNGOLOGY.....16-21	3.5	2.2	3.5	6.4	10.9
MYRINGOTOMY.....17.0	3.6	2.6	12.1	4.6	*2.6
STAPEDECTOMY WITH OSSICULAR RECONSTRUCTION.....17.4	2.9	-	2.7	3.0	*2.9
TYMPANOPLASTY.....17.6-17.7	2.8	2.3	2.8	3.0	*3.0
EXCISION OF LESION OF NOSE.....19.0	4.0	*2.8	3.1	3.9	5.3
SECTION OF NASAL SEPTUM.....19.1	3.6	*6.1	3.6	3.2	*3.9
RHINOPLASTY AND REPAIR OF NOSE.....19.3	3.6	*2.8	3.6	4.0	*3.4
TRACHEOTOMY OR TRACHEOSTOMY, EMERGENCY.....20.5	29.5	*33.5	27.0	28.4	31.1
TONSILLECTOMY WITHOUT ADENOIDECTOMY.....21.1	2.4	2.0	2.4	3.7	*4.4
TONSILLECTOMY WITH ADENOIDECTOMY.....21.2	2.0	2.0	2.4	*2.0	*1.0
ADENOIDECTOMY WITHOUT TONSILLECTOMY.....21.3	1.6	1.6	*2.1	-	-
OTHER OPERATIONS ON EARS, NOSE, AND THROAT..RESIDUAL	5.1	2.4	4.3	6.5	9.0
OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....22-23	7.8	*3.6	6.5	7.5	16.8
THYROIDECTOMY.....22.1-22.2	7.2	*4.8	5.7	6.6	17.6
OTHER OPERATIONS ON THYROID, PARATHYROID, THYMUS, AND ADRENALS.....RESIDUAL	11.5	*2.7	*12.6	*14.6	*12.3
VASCULAR AND CARDIAC SURGERY.....24-30	11.4	7.1	7.7	11.4	15.0
EXCISION AND LIGATION OF VARICOSE VEINS.....24.4	6.4	*5.0	5.2	6.9	10.9
OTHER OPERATIONS ON PERIPHERAL BLOOD VESSELS.....24.0-24.3,24.5-24.9	16.6	*11.4	11.4	15.1	22.3
INCISION AND EXCISION OF LYMPHATIC STRUCTURE.....25.0-25.2	9.8	3.9	5.3	15.8	14.1
OPERATIONS ON VALVES OF HEART.....29.2-29.4	19.9	*7.4	18.8	20.3	*26.8
CARDIAC REVASCULARIZATION.....29.8	15.5	-	14.6	15.7	14.6
CARDIAC CATHETERIZATION.....30.2	6.5	4.8	4.7	6.7	11.2
INSERTION OR REPLACEMENT OF ELECTRIC HEART DEVICE.....30.4-30.5	12.3	-	*12.5	12.4	12.3
OTHER VASCULAR AND CARDIAC SURGERY.....RESIDUAL	15.1	11.6	14.4	15.4	15.9
THORACIC SURGERY.....32-35	15.1	14.4	12.1	16.6	16.0
THORACOTOMY AND PLEUROTOMY.....32.0	14.5	*12.7	10.7	16.9	17.5
LUNG LOBECTOMY AND PNEUMONECTOMY.....34.2-34.4	21.2	*103.6	*19.6	20.2	20.4
OTHER THORACIC SURGERY.....RESIDUAL	14.1	11.0	12.4	15.3	14.7
ABDOMINAL SURGERY.....38-48	10.6	5.0	8.5	11.7	15.7
REPAIR OF INGUINAL HERNIA.....38.2-38.3	5.7	2.9	5.2	6.1	8.5
OTHER HERNIA REPAIR.....38.0-38.1,38.4-38.9	8.4	3.1	6.8	9.8	11.4
EXPLORATORY LAPAROTOMY OR CELIOTOMY.....39.1	13.6	10.0	9.9	15.1	20.2
1/ APPENDECTOMY.....41.1	6.1	5.9	5.4	9.8	10.4
CHOLECYSTECTOMY.....43.5	11.9	*9.2	9.5	11.8	16.2
SPLENECTOMY.....45.1	19.6	*12.1	16.6	*27.9	*23.7
GASTRIC RESECTION, PARTIAL OR COMPLETE.....46.2-46.3	20.2	*32.0	17.7	20.4	21.3
VAGOTOMY.....46.8	16.4	-	13.7	16.1	21.7
RESECTION OF SMALL INTESTINE OR COLON.....47.4-47.6	19.8	*11.5	18.7	19.6	20.5
ILEOSTOMY, COLOSTOMY, AND OTHER ENTEROSTOMY.....47.7-47.9	25.1	*28.7	*23.1	23.6	26.2
OTHER ABDOMINAL SURGERY.....RESIDUAL	14.7	8.2	12.9	14.5	18.1

SEE FOOTNOTES AT END OF TABLE.

TABLE 11. AVERAGE LENGTH OF STAY FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY OF FIRST-LISTED OPERATION AND AGE: UNITED STATES, 1975--CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL AGES	AVERAGE LENGTH OF STAY IN DAYS			
		UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER
PROCTOLOGICAL SURGERY.....50-52	7.7	6.3	6.8	8.1	10.9
LOCAL EXCISION AND DESTRUCTION OF LESION OF RECTUM AND ANUS.....50.2, 51.2	6.5	*6.0	5.4	6.0	9.8
HEMORRHOIDECTOMY.....51.3	7.6	*6.5	7.4	7.6	9.2
EXCISION OF PILONIDAL SINUS OR CYST.....52.1	8.1	*4.7	8.3	6.4	*2.0
OTHER PROCTOLOGICAL SURGERY.....RESIDUAL	8.8	*7.5	4.9	11.1	13.2
UROLOGICAL SURGERY.....54-61	9.0	3.8	7.2	9.7	12.4
NEPHROTOMY AND PYELOTOMY.....54.0-54.1	15.1	*10.2	13.9	14.8	18.4
NEPHRECTOMY.....54.4-54.5	15.9	*12.5	13.8	16.8	17.4
PASSAGE OF CATHETER TO KIDNEY.....55.7	7.6	*4.3	6.6	7.7	10.3
LOCAL EXCISION AND DESTRUCTION OF LESION OF BLADDER.....56.1-56.2	7.9	*9.4	6.4	6.3	8.8
REMOVAL OF CALCULUS AND DRAINAGE OF BLADDER WITHOUT INCISION.....56.8	14.0	-	17.8	10.0	13.2
MEATOTOMY (URETHRAL).....57.1	4.4	1.8	4.2	8.2	10.9
EXCISION OR DESTRUCTION OF LESION OF URETHRA.....57.2	6.2	*3.3	*5.9	*8.8	*5.5
DILATION OF URETHRA.....57.5	6.6	2.6	5.3	7.1	10.7
PROSTATECTOMY.....58.1-58.3	13.2	*13.3	*7.5	11.4	14.0
EXCISION OF HYDROCELE AND HEMATOCELE.....59.1	5.5	3.7	4.5	6.0	8.2
ORCHIOPEXY.....59.7	4.9	5.3	3.8	-	-
VASECTOMY.....60.1	5.5	*20.0	2.5	*8.0	*12.7
CIRCUMCISION.....61.2	3.5	2.5	4.2	5.0	*4.9
OTHER UROLOGICAL SURGERY.....RESIDUAL	10.9	7.4	9.7	11.3	14.4
BREAST SURGERY.....65	5.4	2.4	3.3	6.2	10.6
PARTIAL MASTECTOMY.....65.2	3.5	*2.3	2.8	3.9	6.2
COMPLETE AND RADICAL MASTECTOMY.....65.3-65.6	11.6	*2.4	6.7	11.3	14.2
OTHER BREAST SURGERY.....RESIDUAL	4.0	*2.8	3.7	5.1	*5.9
GYNECOLOGICAL SURGERY.....67-72	5.7	4.6	5.0	6.7	9.3
LOCAL EXCISION OR DESTRUCTION OF LESION OF OVARY.....67.1	8.1	*6.8	7.2	*12.3	*15.9
DOPHORECTOMY; SALPINGO-DOPHORECTOMY.....67.2-67.5	8.6	*7.1	7.7	9.9	*13.7
SALPINGECTOMY, BILATERAL.....68.2	4.2	*3.0	4.2	*3.7	*12.0
LIGATION AND DIVISION OF FALLOPIAN TUBES (BILATERAL).....68.5	3.8	*7.6	3.8	*5.1	*2.0
HYSTERECTOMY.....69.1-69.5	9.1	*7.6	8.7	9.4	12.3
LOCAL EXCISION AND DESTRUCTION OF OTHER LESIONS OF UTERUS, CERVIX, AND SUPPORTING TISSUES.....70.2	6.0	*5.0	7.2	3.5	*7.6
DILATION AND CURETTAGE OF UTERUS, DIAGNOSTIC.....70.3	3.8	3.5	3.5	4.2	5.9
TRACHELECTOMY.....70.4	5.2	*3.0	4.2	7.2	*8.6
COLPORRHAPHY.....71.3	7.6	*4.5	6.4	*10.1	*10.0
PLASTIC REPAIR OF CYSTOCELE AND/OR RECTOCELE.....71.4	9.3	*7.0	7.8	9.8	9.6
OTHER GYNECOLOGICAL SURGERY.....RESIDUAL	4.3	3.8	3.7	6.2	10.1
2/ OBSTETRICAL PROCEDURES.....74-78	4.2	3.9	4.2	*3.4	...
ANTEPARTUM PROCEDURES TO TERMINATE PREGNANCY.....74.6-74.9	2.4	*1.5	2.5	*1.3	...
CESAREAN SECTION.....77	7.1	*9.2	7.1	*6.9	...
DILATION AND CURETTAGE AFTER DELIVERY OR ABORTION.....78.1	2.6	*1.5	2.6	*1.4	...
REPAIR OF LACERATION.....78.2-78.3	3.5	*4.2	3.5	*3.6	...
OTHER OBSTETRICAL PROCEDURES.....RESIDUAL	4.0	*4.1	4.0	*3.0	...

SEE FOOTNOTES AT END OF TABLE.

TABLE 11. AVERAGE LENGTH OF STAY FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SURGICAL CATEGORY OF FIRST-LISTED OPERATION AND AGE: UNITED STATES, 1975--CON.

(EXCLUDES NEWBORN INFANTS AND FEDERAL HOSPITALS. GROUPINGS OF OPERATIONS BY SURGICAL CATEGORY AND CODE NUMBER INCLUSIONS ARE BASED ON THE EIGHTH REVISION INTERNATIONAL CLASSIFICATION OF DISEASES, ADAPTED FOR USE IN THE UNITED STATES)

SURGICAL CATEGORY AND ICDA CODE	ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER
AVERAGE LENGTH OF STAY IN DAYS					
ORTHOPEDIC SURGERY.....80-90	10.7	6.4	8.0	11.1	18.6
INCISION AND DIVISION OF BONES.....80.0-80.3	8.0	11.4	6.4	7.2	12.3
EXCISION OF BONE, PARTIAL.....80.4	7.0	4.8	7.1	6.9	8.9
REMOVAL OF FIXATION DEVICE (INTERNAL).....80.8	8.1	4.0	5.4	8.7	15.9
CLOSED REDUCTION OF FRACTURE WITHOUT FIXATION...82.0	8.7	5.5	9.1	8.3	14.7
OPEN REDUCTION OF FRACTURE WITHOUT FIXATION.....82.1	11.1	7.5	10.8	10.4	15.4
REDUCTION OF FRACTURE WITH FIXATION.....82.2	17.7	14.4	10.7	15.4	22.6
EXCISION OF INTERVERTEBRAL CARTILAGE (PROLAPSED DISK).....86.4	14.6	*21.9	13.5	15.1	*26.0
EXCISION OF SEMILUNAR CARTILAGE OF KNEE JOINT...86.5	6.8	*6.0	6.4	7.3	*12.0
ARTHROPLASTY OF HIP.....87.0	20.8	*18.0	20.0	19.0	22.3
REPAIR AND PLASTIC OPERATIONS ON JOINTS OF FOOT AND TOES.....87.2	7.6	*4.5	5.0	10.2	7.6
REPAIR AND PLASTIC OPERATIONS ON OTHER JOINTS...87.3	11.7	*6.6	7.2	14.4	20.2
SPINAL FUSION.....87.4	18.8	*16.1	22.2	14.3	*19.1
ARTHRODESIS AND STABILIZATION OF JOINTS (EXCEPT SPINE).....87.5-87.6	8.1	*7.7	8.3	8.5	*6.8
CLOSED REDUCTION OF DISLOCATION OF JOINT.....87.7	5.6	*4.6	5.2	6.2	6.5
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....88-89	4.5	3.9	3.9	5.4	7.0
OTHER ORTHOPEDIC SURGERY.....RESIDUAL	11.2	7.3	7.6	12.6	21.4
PLASTIC SURGERY.....92-94	8.0	5.6	7.1	8.0	13.2
INCISION OF SKIN AND SUBCUTANEOUS TISSUE.....92.0	7.7	4.8	6.3	9.9	16.1
EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSUE.....92.1-92.2	7.0	3.4	6.3	6.5	11.4
SUTURE OF SKIN OR MUCOUS MEMBRANE.....92.5	5.9	3.3	5.1	7.2	11.8
PLASTIC OPERATIONS ON LIP AND MOUTH.....93.1	5.3	5.3	*3.3	-	*16.6
SKIN GRAFT EXCEPT LIP AND MOUTH.....93.2-93.6	22.4	18.9	23.1	22.0	25.6
OTHER PLASTIC SURGERY.....RESIDUAL	4.9	4.4	4.6	4.5	8.1
ORAL AND MAXILLOFACIAL SURGERY.....95-98	6.2	3.7	5.4	7.4	10.4
EXCISION OF SALIVARY GLANDS, LOCAL OR TOTAL.....95.1	5.7	*3.3	4.0	6.2	7.5
REDUCTION OF FRACTURE AND FRACTURE- DISLOCATION OF JAWBONE.....98	7.1	*4.3	6.6	11.8	*11.7
OTHER ORAL AND MAXILLOFACIAL SURGERY.....RESIDUAL	5.8	3.6	4.4	6.8	12.7
DENTAL SURGERY.....99	3.0	2.0	2.4	5.1	6.1
EXTRACTION OF TOOTH, FORCEPS EXTRACTION.....99.3	3.8	2.7	3.0	5.3	6.7
SURGICAL REMOVAL OF TOOTH.....99.4	2.7	2.0	2.1	6.8	*4.8
ALVEOLOPLASTY.....99.7	*2.2	-	*2.5	*2.0	*1.7
OTHER DENTAL SURGERY.....RESIDUAL	2.1	1.5	2.2	2.6	*5.6
BIOPSY.....A1-A2	10.0	9.1	6.5	9.7	14.1

1/ LIMITED TO ESTIMATED NUMBER OF APPENDECTOMIES EXCLUDING THOSE PERFORMED INCIDENTAL TO OTHER ABDOMINAL SURGERY.
2/ EXCLUDES SOME OBSTETRICAL PROCEDURES (ICDA CODES 75.0-75.6 AND 75.9) FOR INDUCING OR ASSISTING DELIVERY.

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

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APPENDIX I

TECHNICAL NOTES ON METHODS

Statistical Design of the Hospital Discharge Survey

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

Sampling frame and size of sample.—The sampling frame (universe) for hospitals in HDS is the Master Facility Inventory of Hospitals and Institutions (MFI). A detailed description of how MFI was developed, its contents, plans for maintaining it, and procedures for assessing the completeness of its coverage has been published.¹⁷

The universe for the survey consisted of 6,965 short-stay hospitals contained in MFI in 1963, 442 hospitals added to MFI in 1969, and another 223 hospitals added in 1972. The distribution of the hospitals in MFI and in the HDS sample is shown by bed size and geographic region in table I.

The sample of hospitals for 1975 consisted of 511 hospitals. Of these hospitals, 44 refused to participate and 35 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 432 hospitals participated in the survey during 1975 and provided approximately 232,000 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 beds were stratified, the primary strata being the 24 size-by-region classes shown in table I. Within each of these 24 primary strata, 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 type of ownership and geographic division. Sample hospitals were drawn with probabilities ranging from certainty for the largest hospitals to 1 in 40 for the smallest hospitals.

The within-hospital sampling ratio for selecting sample discharges varied inversely with the probability of selection of the hospital. The smallest sampling fraction of discharged patients was taken in the largest hospitals, and the largest fraction was taken in the smallest hospitals. This was done to compensate for the fact that hospitals were selected with probabilities proportionate to their size class and to assure 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—a number 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

NOTE: A list of references follows the text.

Table 1. Distribution of short-stay hospitals in the universe (MFI) and in the Hospital Discharge Survey sample and the number of hospitals that participated in the survey, by size of hospital and geographic region: United States, 1975

Bed size of hospital	All regions	North-east	North Central	South	West
<u>All sizes</u>		Number of hospitals			
Universe	7,630	1,157	2,094	2,966	1,413
Total sample	511	131	148	156	76
Number participating	432	116	130	126	60
<u>6-49 beds</u>					
Universe	3,405	215	879	1,608	703
Total sample	66	7	18	28	13
Number participating	43	5	15	15	8
<u>50-99 beds</u>					
Universe	1,804	296	473	682	353
Total sample	75	14	19	29	13
Number participating	61	11	16	24	10
<u>100-199 beds</u>					
Universe	1,276	289	398	393	196
Total sample	109	26	32	35	16
Number participating	97	26	28	28	15
<u>200-299 beds</u>					
Universe	592	192	160	146	94
Total sample	91	31	26	20	14
Number participating	76	26	22	17	11
<u>300-499 beds</u>					
Universe	400	111	133	103	53
Total sample	94	25	31	26	12
Number participating	85	22	29	25	9
<u>500-999 beds</u>					
Universe	135	45	48	29	13
Total sample	58	19	19	13	7
Number participating	52	17	17	12	6
<u>1,000 beds or more</u>					
Universe	18	9	3	5	1
Total sample	18	9	3	5	1
Number participating	18	9	3	5	1

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 to by the hospital administra-

tor, the sample selection and the transcription of information from the hospital records to abstract forms were performed either by the hospital staff or by representatives of the National Center for Health Statistics (NCHS) or by both. In about two-thirds of the hospitals that participated in the HDS 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 abstract form provides for recording demographic data, admission and discharge dates, discharge status, and information concerning discharge diagnoses and surgical operations or procedures (figure I). All discharge diagnoses were listed on the abstract form in the order of principal diagnosis, or first-listed diagnosis if principal diagnosis was not identified, followed by the order in which all other diagnoses were entered on the face sheet of the medical record. All operations were listed in the order in which they were recorded on the face sheet.

Shipments of completed abstract forms for each sample hospital were transmitted, along with sample selection control sheets, to a Census regional office. Every shipment 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 NCHS staff. A maximum of five diagnoses and a maximum of three surgical operations and procedures were coded for the information on each sample abstract. Following the conversion of the data from the medical abstract to computer tape, a final medical edit was accomplished by computer inspection runs and a review of rejected abstracts. If sex or age of patient was incompatible with the recorded medical information, priority was given to the medical information in the editing decision.

The basic system used for coding the diagnoses on HDS sample patient abstracts is the *Eighth Revision International Classification of Diseases, Adapted for Use in the United States* (ICDA). Modifications of ICDA have been made for HDS because of incomplete or ill-defined terminology on the abstracts. ICDA class E XVII, External Cause of Injury, and code Y30, fetal death, are excluded. Class XV, Certain Causes of Perinatal Morbidity and Mortality (760-779), is modified to exclude disease, difficult labor, and other conditions of mothers of newborn infants (760-771), termination of pregnancy (773), and fetal death of unknown cause

(779). Birth injury without mention of cause (772) is expanded to include birth injury with mention of cause (the excluded conditions), and codes 774-778 are also retained. The supplementary classification presented for Special Conditions and Examinations Without Sickness (Y00-Y13) is grouped with code 793, which is modified to cover observation and tests with negative or unspecified findings.

The basic system for coding surgical operations and procedures is the ICDA section Surgical Operations, Diagnostic and Other Therapeutic Procedures, modified in certain areas to accommodate incomplete terminology on the source documents, that is, lack of specificity of the body site involved, of surgical method or approach, or of other details prescribed by ICDA. Some procedures in this section of ICDA are not coded with operations by HDS. The HDS modifications of the ICDA system for coding surgical operations and procedures are shown in figure II.

Presentation of Estimates

Grouping of operations.—The surgery groupings that are used in this report are specialties or classes numbered 1-17 of the ICDA section Surgical Operations, Diagnostic and Other Therapeutic Procedures. Specific categories of operations or procedures, the most detailed groupings of surgical operations shown, are subsets of the major groups or classes and are based on the 3-digit codes provided by ICDA. The titles and the ordering of the categories in the tabular list developed for HDS follow the format of the ICDA tabular list as closely as possible.

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

Patient characteristics not stated.—If age or sex of patient was not stated on the hospital records of sample hospitals (the face sheet of patient's medical record), it was imputed by assigning the patient an age or sex consistent with the age or sex of other patients with the same diagnostic code. Color was identified as "not stated." If the dates of admission or discharge were not given, and if they could not be obtained from the monthly sample listing sheet

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.

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Health Resources Administration
National Center for Health Statistics
MEDICAL ABSTRACT - HOSPITAL DISCHARGE SURVEY

I. 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

II. Patient Characteristics

1. Date of birth: _____
Month Day Year
2. Age (complete ONLY if date of birth not given): _____
Units { 1 years
2 months
3 days
3. Sex: 1 Male 2 Female
4. Race or color: 1 White 2 Negro 3 Other nonwhite 4 "Nonwhite" 5 Not stated
5. Marital status: 1 Married 2 Single 3 Widowed 4 Divorced 5 Separated 6 Not stated
6. Discharge status: 1 Alive 2 Dead

III. Diagnoses and Operations

1. Final diagnoses
- a. Principal diagnosis: _____
- b. Other diagnoses: _____
- _____
- _____
- see reverse side
2. Operations: _____
- _____
- _____
- see reverse side

Completed by _____ Date _____

FOR NCHS USE ONLY

Diagnoses _____

Operations _____

Figure I. Medical Abstract for the Hospital Discharge Survey

ICDA Code and title	HDS modification
01.1-Transsphenoid surgical approach to brain stem	01.1 not used; included in 01.7-Hypophysectomy
14.4-Extraction of lens, extracapsular	-----
14.5-Extraction of lens, intracapsular	-----
-----	Add 14.6-Extraction of lens or cataract, not otherwise specified
22.6-Excision of branchial cleft cyst	22.6 not used; included in 21.6 Pharyngectomy and destruction of lesion of pharynx
30.6-Open heart technique	Redefined 30.6-Open heart surgery (with cardiopulmonary by-pass) not otherwise specified
30.7-Open heart technique with cardiopulmonary bypass	30.7 not used; included in 30.6
56.7-Urethrovessical suspension	56.7 not used; included in 57.4-Repair and plastic operations on urethra
65.7-Repair or plastic operations on breast	-----
-----	Add 65.8-Augmentation mammoplasty
65.9-Other operations on breast	Redefined 65.9-Other operations on breast (includes reduction or amputative mammoplasty)
74-78-Obstetrical procedures	75.0-75.6, 75.9 not used
77.0-Cesarean section, classical	Redefined 77.0-Cesarean section, all types
-----	77.1-77.2, 77.8-77.9 not used
82-84-Reduction of fracture and fracture dislocation of bones	82.3-83.9, 83-84 not used
82.0-Closed reduction of separated upper femoral epiphysis (includes external fixation device)	Redefined 82.0-Reduction (closed or not otherwise specified) of fraction in 82-84 without mention of fixation (includes external fixation device)
82.1-Open reduction of separated upper femoral epiphysis with or without internal fixation (includes pins and nails)	Redefined 82.1-Reduction (open) of fracture in 82-84 without mention of fixation (includes external fixation device)
82.2-Closed reduction of intertrochanteric fracture (includes external fixation device)	Redefined 82.2-Reduction (closed or open) of fracture in 82-84 with mention of fixation (includes pins and nails)
87.0-Arthroplasty of hip without mechanical device	Redefined 87.0-Arthroplasty of hip with or without mechanical device
87.1-Arthroplasty of hip with mechanical (prosthetic) device	87.1 not used; included in 87.0
94.2-Plastic operation of nose	94.2 not used; included in 19.3-Rhinoplasty and repair of nose
94.4-Augmentation mammoplasty	94.4 not used; see code 65.8
98-Reduction of fracture and fracture-dislocation of jawbone	98.2-98.6 not used
98.0-Closed reduction, malar, zygoma and zygomatic arch	Redefined 98.0-Reduction (closed), malar, zygoma, zygomatic arch, maxilla, mandible, alveolus
98.1-Open reduction, malar, zygoma and zygomatic arch	Redefined 98.1-Reduction (open), malar, zygoma, zygomatic arch, maxilla, mandible, alveolus
A4-A5-Diagnostic endoscopy	A4-A5 not used
A8-A9-Diagnostic radiography	A8-A9 not used
R1-Radiotherapy and related therapies	R1 not used
R4-Physical medicine and rehabilitation	R4 not used
R9-Other surgical procedures	R9 not used

Figure II. HDS modifications of the ICDA section "Surgical Operations, Diagnostic and Other Therapeutic Procedures"

transmitted by the sample hospital, a length of stay was imputed by assigning the patient's stay characteristic of the stays of other patients of the same age.

Age of patient and sex of patient were not stated for less than one-fourth of 1 percent of

the discharges. However, color was not stated for 13 percent of all discharges, and therefore rates by color were not computed. Caution should be used in drawing conclusions from the data by color that are shown. In the detailed tables presenting frequencies, rates, and average

length of stay, the totals include the cases not stated.

Rounded numbers.—Estimates of the numbers of inpatient discharges, discharges with surgery, and all-listed operations have been rounded to the nearer thousand for tabular presentation. For this reason, 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 for the U.S. civilian noninstitutionalized population on July 1 of the data year were provided by the U.S. Bureau of the Census. The estimates by age and sex and by geographic region are presented in table II and are consistent with the population estimates published in *Current Population Reports*, Series P-25. However, they are not official population estimates of the Bureau of the Census.

Reliability of Estimates

Estimation.—Statistics produced by HDS 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 HDS 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.^{18,19}

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

Sampling errors.—The standard error is primarily a measure of variability that occurs by chance because a sample rather than the entire universe is surveyed. In this report, the standard error also reflects part of the measurement error but does not measure any systematic biases in the data. The chances are about 68 out of 100 that the value obtained in a complete enumeration is contained in the interval represented by

Table II. Civilian noninstitutionalized population by age, geographic region, and sex: United States, July 1, 1975
[Population estimates consistent with Series P-25, *Current Population Reports*, U.S. Bureau of the Census]

Age and geographic region	Both sexes	Male	Female
Population in thousands			
All ages	209,093	100,881	108,212
Northeast	48,745	23,396	25,350
North Central	56,820	27,668	29,152
South	66,581	31,875	34,705
West	36,948	17,942	19,005
0-14 years	53,514	27,283	26,231
Under 1 year	3,080	1,574	1,505
1-4 years	12,806	6,539	6,267
5-14 years	37,628	19,169	18,458
Northeast	11,821	6,036	5,784
North Central	14,701	7,503	7,198
South	17,481	8,895	8,585
West	9,511	4,848	4,663
15-44 years	91,166	44,262	46,904
15-24 years	38,721	18,950	19,770
25-34 years	30,081	14,567	15,514
35-44 years	22,364	10,745	11,619
Northeast	20,792	10,111	10,681
North Central	24,870	12,240	12,631
South	28,948	13,876	15,072
West	16,556	8,035	8,520
45-64 years	43,109	20,553	22,556
45-54 years	23,538	11,331	12,207
55-64 years	19,571	9,222	10,349
Northeast	10,880	5,133	5,747
North Central	11,452	5,513	5,938
South	13,314	6,279	7,035
West	7,463	3,627	3,836
65 years and over	21,305	8,784	12,521
65-74 years	13,529	5,867	7,662
75 years and over	7,776	2,917	4,859
Northeast	5,253	2,115	3,138
North Central	5,797	2,412	3,384
South	6,838	2,825	4,013
West	3,418	1,432	1,986

the estimate plus or minus 1 standard error of the estimate; 95 out of 100 for 2 standard errors; and 99 out of 100 for 2½ standard errors.

The relative standard error of the estimate is obtained by dividing the standard error of the

estimate by the estimate itself and is expressed 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. In order to derive standard errors that would be applicable to a wide variety of statistics and that could be prepared at a moderate cost, a number of approximations are required. As a result, figures III and IV provide general relative standard errors for a wide variety of estimates rather than the specific error for a particular statistic.

The approximate relative standard errors for estimates of discharges and number of opera-

tions by types of surgery or specific surgical procedure are presented by geographic region in figure III and by bed size of hospital in figure IV. The curves for "all hospitals" shown in figures III and IV provide approximate relative standard errors of estimates for all operations and for the patient characteristics sex, age, and color.

In this report asterisks are shown for those estimated frequencies whose relative standard errors exceeded 30 percent. For those estimates, asterisks are also shown for the computations of the related surgical rates, average lengths of stay, and percentages.

Figure III. Approximate relative standard errors of estimated numbers of operations for inpatients discharged from all short-stay hospitals and by geographic region

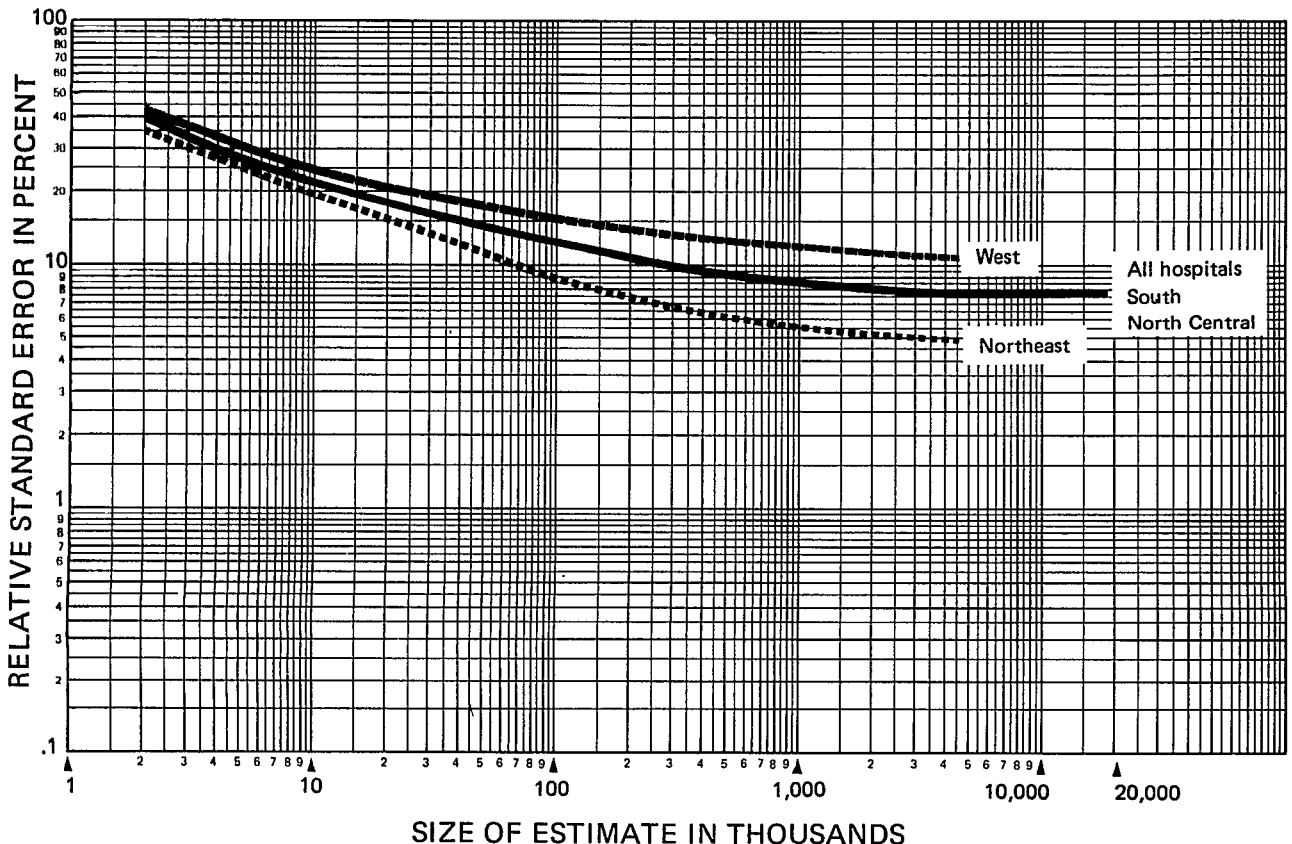


Illustration for use of figure III: As shown in table 5, an estimated 42,000 prostatectomies were performed during 1975 for patients discharged from short-stay hospitals in the West Region. The relative standard error of this estimate as read from the curve for the West Region is approximately 18.7 percent: the standard error of 42,000 is 7,900 (18.7 percent of 42,000).

Figure IV. Approximate relative standard errors of estimated numbers of operations for inpatients discharged from all short-stay hospitals and by bed size of hospital

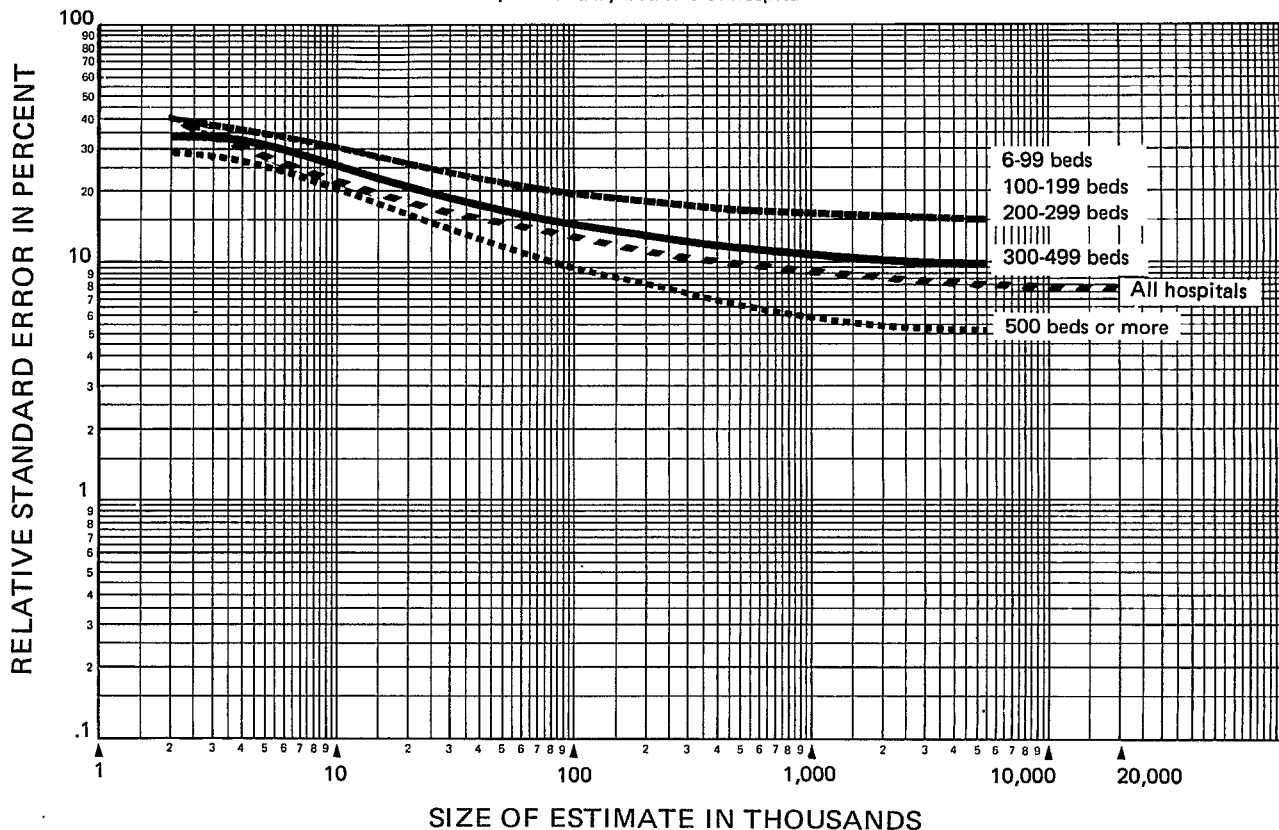


Illustration for use of figure IV: As shown in table 7, an estimated 112,000 extractions of lens were performed during 1975 in short-stay hospitals with 300-499 beds. The relative standard error of this estimate as read from the curve for 300-499 beds is approximately 13.7 percent: the standard error of 112,000 is 15,300 (13.7 percent of 112,000).



APPENDIX II

DEFINITIONS OF CERTAIN TERMS USED IN THIS REPORT

Hospitals and Hospital Characteristics

Hospitals.—Short-stay special and general hospitals having 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.—Measured by the number of beds, cribs, and pediatric bassinets regularly maintained (set up and staffed for use) for patients; bassinets for newborn infants are not included. In this report the classification of hospitals by bed size is based on the number of beds at or near midyear reported by the hospitals.

Terms Relating to Hospitalization

Patient.—A person who is formally admitted to the inpatient service of a short-stay hospital for observation, care, diagnosis, or treatment. 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. "Patient" and "inpatient" are used synonymously.

Discharge.—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. "Discharges" and "patients discharged" are used synonymously.

Discharge rate.—The ratio of the number of

hospital discharges during a year to the number of persons in the civilian noninstitutionalized population July 1 of that year.

Days of care.—The total number of patient days accumulated at time of discharge by patients discharged from short-stay hospitals during a year. 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.

Average length of stay.—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 Surgery

Discharges with surgery.—The estimated number of surgically treated patients discharged from non-Federal short-stay hospitals during the year.

Operation.—One or more surgical operations, procedures, or special treatments that are assigned by the physician to the medical record of patients discharged from the inpatient service of short-stay hospitals. In HDS all terms listed on the face sheet (summary sheet) of the medical record under the captions "operation," "operative procedures," "operations and/or special treatments," and the like are transcribed in the order listed. A maximum of three 3-digit codes are assigned per sample discharge according to ICDA and HDS directives. (See "Medical coding and edit" in the Data Collection and Processing section of appendix I for further details.)

All-listed operations.—All coded operations listed in positions 1-3 on the face sheet of the medical record exclusive of certain obstetrical procedures, diagnostic endoscopy and radiography, radiotherapy, and certain other treatments not generally considered as surgery.

First-listed operations.—The aggregate of individually coded surgical operations and procedures listed first, including single (only) and first of multiple operations listed. The number of first-listed operations is equivalent to that number of discharges with surgery.

Surgery rate.—The ratio of the number of all-listed operations during a year to the number of persons in the civilian noninstitutionalized population July 1 of that year.

Demographic Terms

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

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

Geographic region.—Hospitals are classified

by location in one of the four geographic regions of the United States which correspond to those used by the U.S. Bureau of the Census. (See figure V.)

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.

Figure V. States included in the four geographic regions



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