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From the CENTERS FOR DISEASE CONTROL AND PREVENTION / National Center for Health Statistics

National Hospital Discharge Survey: Annual Summary, 1996

January 1999



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics



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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics

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Cooperation of the U.S. Bureau of the Census

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

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

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Abstract

Objectives

This report presents national estimates of the use of non-Federal short-stay hospitals in the United States during 1996 and selected trend data. Estimates are provided by demographic characteristics of patients discharged, geographic region of hospitals, conditions diagnosed, and surgical and nonsurgical procedures performed. Measurements of hospital use include number and rate of discharges and days of care, and the average length of stay.

Methods

The estimates are based on data collected through the National Hospital Discharge Survey (NHDS). The survey has been conducted annually by the National Center for Health Statistics (NCHS) since 1965. In 1996, data were collected for approximately 282,000 discharges. Of the 507 eligible non-Federal short-stay hospitals in the sample, 480 (95 percent) responded to the survey. Diagnoses and procedures are coded according to the *International Classification of Diseases, 9th Revision, Clinical Modification*, or ICD-9-CM.

Keywords: *hospitalization • inpatient • diagnoses • procedures*

National Hospital Discharge Survey: Annual Summary, 1996

by Edmund J. Graves and Lola Jean Kozak, Division of Health Care Statistics

Highlights

- During 1996 there were an estimated 30.5 million discharges of inpatients from non-Federal short-stay hospitals, excluding newborn infants. These patients used an estimated 159.9 million days of care.
- Patients 65 years of age and over comprise 13 percent of the population, but they accounted for 38 percent of all discharges and used 48 percent of all days of care.
- In 1996, deaths accounted for 3 percent of all discharges.
- Deliveries and heart disease combined accounted for 8 million discharges and made up 26 percent of all first-listed diagnoses.
- Heart disease was the first-listed diagnosis for 23 percent of discharges for patients 65 years of age and over.
- In 1996, 73 percent of all human immunodeficiency virus (HIV) discharges were male and 71 percent were 25–44 years of age.
- First-listed diagnoses of heart disease and malignant neoplasms accounted for 36 percent of deaths in short-stay hospitals.
- At least one procedure was reported for 63 percent of discharges.
- Three surgical procedures performed 1 million times or more were episiotomy, cardiac catheterization, and repair of current obstetric laceration.
- Four nonsurgical procedures performed 1 million times or more were arteriography and angiocardiology using contrast material, diagnostic ultrasound, respiratory therapy, and manually assisted delivery.
- In 1996, 73 percent of women with deliveries were hospitalized for less than 3 days, compared with only 26 percent in 1980.
- The number of obstetrical procedures per 100 deliveries increased from 93.7 in 1980 to 169.0 in 1996.
- The 1996 cesarean rate was 21.8, the primary rate was 15.7, and the rate of vaginal birth after cesarean delivery (VBAC) was 33.6.
- An estimated 3.9 million newborn infants were discharged from short-stay hospitals after average stays of 3.0 days.
- Almost half the diagnoses of sick newborn infants were hemolytic disease of fetus or newborn, respiratory distress syndrome and other respiratory conditions, disorders relating to short gestation and unspecified low birthweight, or congenital anomalies.

This report was prepared in the Division of Health Care Statistics. Elaine Wood of the Hospital Care Statistics Branch verified the data and assisted in developing the content of the report. Rong Cai of the OAO Corporation produced estimated parameters for relative standard error equations. Rong Cai and Flora Lan, also of the OAO Corporation, did the computer programming for the report. The report was edited by Gail V. Johnson and typeset by Annette F. Holman of the Publications Branch, Division of Data Services.

Introduction

This report presents data from the 1996 National Hospital Discharge Survey (NHDS). The survey has been conducted continuously by the National Center for Health Statistics (NCHS) since 1965. National estimates of hospital use derived from the NHDS are published for each calendar year by NCHS. This report provides a summary of the 1996 data, including the number and rate of discharges, days of care and average lengths of stay by the age and sex of patients, and by the geographic region of hospitals. Estimates are also presented by first-listed diagnosis, all-listed diagnoses, and all-listed procedures. Additional data from the 1996 NHDS have been published in other NCHS reports (1,2).

The NHDS is the principal source for national data on the characteristics of patients discharged from non-Federal short-stay hospitals. Data from the NHDS are used to examine important topics in public health (3–7) and for a variety of planning, administrative, and evaluation activities by governmental, scientific, academic, and commercial institutions.

Estimates of the number of procedures shown in this report are only for inpatients. In 1994, 1995, and 1996, data on ambulatory surgery were collected by means of another survey conducted by NCHS, the National Survey of Ambulatory Surgery (NSAS). The NSAS covered ambulatory surgery in hospitals and freestanding centers. NCHS has published summary data from the NSAS (8) and combined data on procedures from the NSAS and NHDS (9). NSAS data are not included in the tables of this report.

This report differs somewhat from previous annual summaries for NHDS. Previously, tables were presented in two main groups: text tables A–R were shown with summary text, and detailed tables 1–29 were included after the text. Because of changes in the format of NCHS reports and in order to expedite the production of the annual summaries,

Table A. Guide to reorganization of tables

1995 report ¹ table	1996 report table	1995 report ¹ table	1996 report table
A	1	11	12
B	5	12	Not included
C	6	13	Not included
D	21	14	Not included
E	22	15	13
F	22	16	14
G	23	17	15
H	23	18	16
J	19	19	17
K	4	20	Not included
L	20	21	18
M	Not included	22	25
N	36	23	26
O	37	24	27
P	36	25	28
Q	38	26	Not included
R	32	27	Not included
1	2	28	29
2	Not included	29	30
3	Not included	I	Not included
4	3	II	I
5	31	III	II
6	7	IV	III
7	8		
8	9	Not included	24
9	10	Not included	33
10	11	Not included	34
		Not included	35

¹Gillum BS, Graves EJ, and Wood E. National Hospital Discharge Survey: Annual summary, 1995. National Center for Health Statistics. Vital Health Stat 13(133). 1998.

tables 1–38 are grouped together after the text in this report.

Table A lists the tables in the 1995 NHDS annual summary and shows the number of the corresponding table in this report. Certain tables that were in the 1995 report are not included in this report. These tables were deleted because of lack of demand for the data, or because of concerns about the quality of the data. Tables that showed hospital use by race were deleted because of the continuing extensive underreporting of race (10). In 1996, race was not identified for 23 percent of the records sampled in the NHDS. Tables that showed hospital use by expected principal source of payment were deleted because of concerns about clearly defining payment categories with available data.

Four new tables were added to the 1996 report to respond to requests for additional information. Table 24 provides a comparison of discharges and

procedures for two frequent coronary artery procedures. Tables 33–35 show data on obstetrical procedures and vaginal and cesarean deliveries.

Methods

Data Source

NHDS data were collected from a sample of inpatient records acquired from a national probability sample of hospitals. Because persons with multiple discharges during the year could be sampled more than once, the NHDS produces estimates for discharges, not persons. Only hospitals with an average length of stay of fewer than 30 days for all patients, general hospitals, or children's general hospitals were included in the survey. Federal, military, and Department of Veterans Affairs hospitals, as well as hospital

units of institutions (such as prison hospitals), and hospitals with fewer than six beds staffed for patient use were excluded. Beginning in 1988, the sampling frame for hospitals was the SMG Hospital Market Database (11–13).

The NHDS used a two-stage design until 1988 when it was redesigned (14). Beginning in 1988, all hospitals with 1,000 beds or more or 40,000 discharges or more annually were included in the sample with certainty. The remaining sample of hospitals was based on a stratified three-stage design. The first stage consisted of the selection of 112 primary sampling units (PSU's) that comprised a probability sample of PSU's used in the 1985–94 National Health Interview Survey (NHIS) (15). The second stage consisted of the selection of noncertainty hospitals from the sample PSU's. At the third stage, a systematic random sample of discharges within hospitals was selected.

For 1996, the sample consisted of 525 hospitals, 18 of which were out of scope (ineligible) because they had gone out of business or otherwise failed to meet the criteria for the NHDS universe. Of the 507 in-scope (eligible) hospitals, 480 (95 percent) responded to the survey. Data were collected for approximately 282,000 patient discharges from the 480 responding hospitals.

Two data collection procedures were used for the survey. One was a manual system in which sample selection and transcription of information from the hospital records to abstract forms were performed by the hospital's staff or by staff of the U.S. Bureau of the Census on behalf of NCHS. Completed forms were sent to NCHS for data coding, editing, and estimation.

The other data collection procedure was an automated system, in which NCHS purchased tapes containing machine-readable medical record data from commercial organizations, State data systems, hospitals, or hospital associations. Records from these tapes were systematically sampled by NCHS. In 1996, approximately 38 percent of respondent hospitals provided data through the automated system.

The medical abstract form is shown as [figure I](#) in the appendix. This form and the automated data tapes contained items that related to the personal characteristics of the patient. These items included birth date (or age), sex, race, ethnicity, marital status, ZIP Code, and expected sources of payment. Administrative items such as admission and discharge dates, discharge status, and medical record number were also included. The medical information about patients included diagnoses, surgical and nonsurgical procedures, and dates of surgery. (The medical record number, date of birth, and ZIP Code are confidential information that are not available to the public.) Medical data were coded according to the *International Classification of Diseases, 9th Revision, Clinical Modification* (ICD–9–CM) (16).

For the manual data collection, an ongoing quality control program was undertaken on the coding and entering of data from abstracts to machine-readable form. Approximately 5 percent of the abstracts were independently recoded by an NHDS coder, with discrepancies resolved by the chief coder. The overall error rate for records manually coded by NCHS for the 1996 data year was 3.0 percent for medical (ICD–9–CM) coding and data entry and 0.6 percent for demographic coding and data entry.

Estimation

The probability sample design of the NHDS required that the survey data be inflated or weighted to produce national estimates. The estimation procedure produced essentially unbiased national estimates and had three basic components:

1. inflation by reciprocals of the probabilities of sample selection
2. adjustment for nonresponse
3. population weighting ratio adjustments

These three components of the final weight were described in more detail in an earlier report (17). Information about the standard errors of statistics for the 1996 NHDS are in the appendix of this report.

Use of Tables

Estimates of hospital use by age and sex of discharged patients and geographic region of hospitals are shown in [tables 1–4](#) of this report. Diagnostic data are included in [tables 5–20](#) and information about procedures is found in [tables 21–30](#). [Tables 31–38](#) present data on women with deliveries and newborn infants.

Most diagnostic tables show the first-listed diagnosis, which is the one specified as the principal diagnosis on the face sheet or discharge summary of the medical record. However, if the principal diagnosis was not specified, it is the first one listed on the face sheet or discharge summary of the medical record. Data for all-listed diagnoses, shown in [tables 16–18](#), include the first-listed diagnosis and other diagnoses appearing in the medical record. A minimum of one and a maximum of seven diagnoses were coded for each discharge. [Table 19](#) presents data for discharges with a HIV diagnosis listed in any position among the coded diagnoses.

The diagnostic data in [tables 7–18](#) and procedure data in [tables 25–30](#) are presented by chapter of the ICD–9–CM. Within these chapters, subcategories of diagnoses or procedures are shown. These specific categories were selected because of their large estimates or because they were of special interest. Although diagnoses assigned ICD–9–CM codes E800–E999 (Supplementary classification of external causes of injury and poisoning) were included in the NHDS, these diagnoses were not well reported in the survey and therefore were excluded from this report.

Estimates of procedures shown in this report include surgical procedures (such as appendectomy), diagnostic procedures (such as diagnostic ultrasound), and therapeutic procedures (such as respiratory therapy). Data for all-listed procedures include all occurrences of the procedure coded, regardless of their order in the medical record. Up to four procedures were coded for each discharge.

In tables 22 and 23 procedures are classified as surgical or nonsurgical. The ICD–9–CM codes for nonsurgical procedures are listed in table I in the appendix. This classification was begun in 1979 for the presentation of NHDS data. The distinction between surgical and nonsurgical procedures has become less meaningful in the last two decades with the development of minimally invasive and noninvasive procedures. The procedures classified as nonsurgical did not necessarily have less operative or anesthetic risk or require less highly trained personnel or special equipment than those classified as surgical.

Table 24 shows data for coronary artery bypass graft (CABG) surgery and removal of coronary artery obstruction and insertion of stent(s). These procedures were often assigned more than one code for a single operation. CABG surgery frequently was assigned one code to indicate the number of arteries bypassed and a second to indicate the type of bypass (such as mammary-coronary artery bypass). Beginning with the 1996 NHDS data, patients could have a separate code for insertion of stent(s) along with a code for removal of coronary artery obstruction. The result, as seen in table 24, is that the number of these procedures counted greatly exceeded the number of inpatients who had one or more of the procedures.

Fatality rates, shown in tables 4 and 20, were computed by dividing the number of deaths for a category by the total number of discharges for that category and multiplying by 100. These rates are conservative because all the discharges whose status was not stated (1.2 percent) were assumed to be discharged alive. Hospital fatality rates differ from mortality rates, which reflect complete reporting of deaths in the population regardless of where the death occurred. In addition, mortality data are for the underlying cause of death, which might not be the same as the first-listed diagnosis for a patient discharged dead. Mortality rates are published regularly by NCHS in *National Vital Statistics Reports* and in *Vital Statistics of the United States*.

Data for newborn infants, defined as patients admitted to a hospital by birth,

are in tables 36–38. Newborn infants are excluded from all other tables in the report. Because estimates of newborn infants were based on a sample and did not include out-of-hospital births, these estimates might not agree with the data on births published in *National Vital Statistics Reports* and *Vital Statistics of the United States*, which were based on a complete count of births. Sick newborn infants are those that had at least one of the ICD–9–CM diagnostic codes 001–999. The definitions of other terms related to NHDS data can be found in earlier reports (17).

Because of low reliability, estimates less than 5,000 and measures based on these estimates (rates, percents, and average lengths of stay) are not presented. For such estimates, only an asterisk (*) appears in the tables. These estimates generally have a relative standard error of more than 30 percent or are based on a sample of fewer than 30 cases. Estimates of 5,000 to 9,000 (and measures based on these estimates) are preceded by an asterisk (*) to indicate that they are generally based on fewer than 60 cases and also have low reliability.

Estimates have been rounded to the nearest thousand. For this reason, figures within tables do not always add to the totals. Rates, percents, and average lengths of stay were calculated from unrounded figures and may not precisely agree with measures calculated from rounded data. The population estimates used in computing rates are shown in table II in the appendix.

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Table 1. Number and rate of discharges from short-stay hospitals and of days of care and average length of stay, by age: United States, selected years, 1970–96

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

Age	1970	1975	1980	1985	1990	1995	1996
Number of discharges in thousands							
All ages	29,127	34,043	37,832	35,056	30,788	30,722	30,545
Under 15 years	3,873	3,826	3,672	2,972	2,412	2,405	2,207
15–44 years	12,664	14,171	15,635	13,966	11,799	10,593	10,325
45–64 years	6,693	8,391	8,660	7,610	6,244	6,168	6,294
65 years and over	5,897	7,654	9,864	10,508	10,333	11,556	11,718
65–74 years	3,163	4,057	4,943	5,011	4,689	4,832	4,804
75–84 years	2,099	2,728	3,611	3,969	3,949	4,590	4,724
85 years and over	635	869	1,310	1,528	1,694	2,134	2,190
Rate of discharges per 1,000 population							
All ages	144.3	159.2	167.7	148.4	124.3	117.5	115.7
Under 15 years	66.8	70.4	71.6	57.7	44.6	41.7	38.2
15–44 years	154.6	152.4	150.1	125.0	101.6	89.8	87.0
45–64 years	159.6	191.8	194.8	170.8	135.0	118.2	117.2
65 years and over	293.3	337.3	383.7	369.8	330.9	344.6	346.1
65–74 years	253.2	291.5	315.8	297.3	259.1	257.6	257.3
75–84 years	339.5	392.1	463.9	446.4	391.8	411.9	413.3
85 years and over	443.7	477.1	576.4	572.9	555.7	588.2	582.2
Number of days of care in thousands							
All ages	226,445	262,389	274,508	226,217	197,422	164,627	159,883
Under 15 years	18,189	17,554	16,191	13,554	11,655	10,715	10,064
15–44 years	71,605	80,687	81,951	67,397	54,062	40,825	39,645
45–64 years	62,419	75,393	71,008	53,541	42,153	34,207	33,521
65 years and over	74,232	88,754	105,358	91,726	89,552	78,880	76,652
65–74 years	37,873	44,963	49,253	41,090	37,422	31,310	29,942
75–84 years	27,633	32,906	40,355	36,024	35,926	31,974	31,396
85 years and over	8,726	10,886	15,750	14,612	16,204	15,597	15,314
Rate of days of care per 1,000 population							
All ages	1,121.6	1,227.3	1,216.7	957.7	796.9	629.8	605.6
Under 15 years	313.9	322.9	315.7	263.0	215.4	185.6	174.4
15–44 years	874.0	867.9	786.8	603.3	465.3	346.0	333.9
45–64 years	1,488.8	1,723.0	1,596.9	1,201.6	911.5	655.6	624.3
65 years and over	3,691.9	3,910.6	4,098.4	3,228.0	2,867.7	2,352.4	2,263.7
65–74 years	3,031.6	3,230.8	3,147.0	2,437.3	2,067.0	1,669.0	1,603.9
75–84 years	4,469.2	4,729.2	5,183.7	4,052.2	3,564.1	2,868.9	2,746.8
85 years and over	6,102.1	5,978.1	6,932.1	5,478.7	5,314.7	4,299.1	4,070.6
Average length of stay in days							
All ages	7.8	7.7	7.3	6.5	6.4	5.4	5.2
Under 15 years	4.7	4.6	4.4	4.6	4.8	4.5	4.6
15–44 years	5.7	5.7	5.2	4.8	4.6	3.9	3.8
45–64 years	9.3	9.0	8.2	7.0	6.8	5.5	5.3
65 years and over	12.6	11.6	10.7	8.7	8.7	6.8	6.5
65–74 years	12.0	11.1	10.0	8.2	8.0	6.5	6.2
75–84 years	13.2	12.1	11.2	9.1	9.1	7.0	6.6
85 years and over	13.7	12.5	12.0	9.6	9.6	7.3	7.0

Table 2. Number, percent distribution, and rate of discharges from short-stay hospitals and of days of care, with average lengths of stay, by sex and age: United States, 1996

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

Sex and age	Discharges			Days of care			Average length of stay in days
	Number in thousands	Percent distribution	Rate per 1,000 population	Number in thousands	Percent distribution	Rate per 1,000 population	
Both sexes							
All ages	30,545	100.0	115.7	159,883	100.0	605.6	5.2
Under 15 years	2,207	7.2	38.2	10,064	6.3	174.4	4.6
Under 1 year	736	2.4	195.3	4,349	2.7	1,154.0	5.9
1-4 years	649	2.1	41.8	2,172	1.4	140.0	3.3
5-14 years	822	2.7	21.4	3,544	2.2	92.2	4.3
15-44 years	10,325	33.8	87.0	39,645	24.8	333.9	3.8
15-19 years	1,202	3.9	64.7	4,195	2.6	225.9	3.5
20-24 years	1,647	5.4	95.9	5,037	3.2	293.4	3.1
25-34 years	4,077	13.3	102.3	14,350	9.0	359.9	3.5
35-44 years	3,399	11.1	78.8	16,063	10.0	372.5	4.7
45-64 years	6,294	20.6	117.2	33,521	21.0	624.3	5.3
45-54 years	3,077	10.1	95.1	15,745	9.8	486.9	5.1
55-64 years	3,218	10.5	150.6	17,776	11.1	832.2	5.5
65 years and over	11,718	38.4	346.1	76,652	47.9	2,263.7	6.5
65-74 years	4,804	15.7	257.3	29,942	18.7	1,603.9	6.2
75-84 years	4,724	15.5	413.3	31,396	19.6	2,746.8	6.6
85 years and over	2,190	7.2	582.2	15,314	9.6	4,070.6	7.0
Under 17 years	2,574	8.4	39.4	11,572	7.2	177.2	4.5
17-69 years	18,478	60.5	105.8	84,943	53.1	486.2	4.6
70 years and over	9,492	31.1	396.0	63,367	39.6	2,643.7	6.7
Male							
All ages	12,110	100.0	94.1	69,928	100.0	543.4	5.8
Under 15 years	1,240	10.2	42.0	5,710	8.2	193.2	4.6
Under 1 year	414	3.4	214.8	2,491	3.6	1,292.1	6.0
1-4 years	374	3.1	47.1	1,199	1.7	150.9	3.2
5-14 years	452	3.7	23.0	2,020	2.9	102.7	4.5
15-44 years	2,831	23.4	47.7	15,604	22.3	263.2	5.5
15-19 years	307	2.5	32.2	1,469	2.1	153.9	4.8
20-24 years	290	2.4	33.5	1,520	2.2	175.5	5.2
25-34 years	861	7.1	43.6	4,767	6.8	241.3	5.5
35-44 years	1,372	11.3	64.3	7,849	11.2	368.0	5.7
45-64 years	3,138	25.9	120.8	17,107	24.5	658.8	5.5
45-54 years	1,480	12.2	93.7	7,793	11.1	493.1	5.3
55-64 years	1,658	13.7	163.1	9,314	13.3	916.3	5.6
65 years and over	4,901	40.5	353.1	31,507	45.1	2,269.8	6.4
65-74 years	2,253	18.6	270.6	13,947	19.9	1,675.3	6.2
75-84 years	1,980	16.4	441.4	13,060	18.7	2,911.2	6.6
85 years and over	668	5.5	624.6	4,500	6.4	4,206.1	6.7
Under 17 years	1,365	11.3	40.8	6,263	9.0	187.1	4.6
17-69 years	6,919	57.1	80.6	38,714	55.4	451.0	5.6
70 years and over	3,826	31.6	408.2	24,951	35.7	2,661.7	6.5

Table 2. Number, percent distribution, and rate of discharges from short-stay hospitals and of days of care, with average lengths of stay, by sex and age: United States, 1996—Con.

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

Sex and age	Discharges			Days of care			Average length of stay in days
	Number in thousands	Percent distribution	Rate per 1,000 population	Number in thousands	Percent distribution	Rate per 1,000 population	
Female							
All ages	18,435	100.0	136.2	89,955	100.0	664.8	4.9
Under 15 years	967	5.2	34.3	4,355	4.8	154.6	4.5
Under 1 year	322	1.7	174.9	1,858	2.1	1,009.3	5.8
1–4 years	275	1.5	36.2	973	1.1	128.4	3.5
5–14 years	370	2.0	19.7	1,523	1.7	81.3	4.1
15–44 years	7,495	40.7	126.1	24,041	26.7	404.4	3.2
15–19 years	895	4.9	99.1	2,727	3.0	302.0	3.0
20–24 years	1,357	7.4	159.5	3,517	3.9	413.6	2.6
25–34 years	3,216	17.4	159.9	9,583	10.7	476.5	3.0
35–44 years	2,027	11.0	93.0	8,214	9.1	376.9	4.1
45–64 years	3,156	17.1	113.8	16,414	18.2	592.0	5.2
45–54 years	1,596	8.7	96.6	7,952	8.8	481.0	5.0
55–64 years	1,560	8.5	139.3	8,462	9.4	755.9	5.4
65 years and over	6,817	37.0	341.2	45,145	50.2	2,259.5	6.6
65–74 years	2,551	13.8	246.6	15,996	17.8	1,546.2	6.3
75–84 years	2,744	14.9	395.2	18,336	20.4	2,640.6	6.7
85 years and over	1,522	8.3	565.3	10,813	12.0	4,016.8	7.1
Under 17 years	1,210	6.6	38.0	5,309	5.9	166.7	4.4
17–69 years	11,559	62.7	130.1	46,229	51.4	520.2	4.0
70 years and over	5,666	30.7	388.2	38,417	42.7	2,632.0	6.8

Table 3. Number and rate of discharges from short-stay hospitals and days of care, with average lengths of stay, by sex, age, and geographic region: United States, 1996

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

Sex, age, and region	Discharges		Days of care		Average length of stay in days
	Number in thousands	Rate per 1,000 population	Number in thousands	Rate per 1,000 population	
Both sexes					
All ages:					
United States	30,545	115.7	159,883	605.6	5.2
Northeast	6,665	129.4	41,343	802.5	6.2
Midwest	7,107	114.7	35,574	573.9	5.0
South	11,085	120.0	57,392	621.3	5.2
West	5,688	97.9	25,574	440.0	4.5
Under 15 years:					
United States	2,207	38.2	10,064	174.4	4.6
Northeast	575	54.3	2,836	267.4	4.9
Midwest	509	37.9	2,221	165.2	4.4
South	642	32.0	2,866	142.6	4.5
West	480	35.4	2,142	157.9	4.5
15–44 years:					
United States	10,325	87.0	39,645	333.9	3.8
Northeast	2,134	93.4	10,274	449.9	4.8
Midwest	2,241	80.6	8,060	290.0	3.6
South	3,823	92.3	14,427	348.3	3.8
West	2,127	79.7	6,884	258.0	3.2
45–64 years:					
United States	6,294	117.2	33,521	624.3	5.3
Northeast	1,390	129.1	8,353	776.1	6.0
Midwest	1,372	108.8	6,790	538.3	4.9
South	2,469	129.7	13,287	698.0	5.4
West	1,064	94.3	5,092	451.3	4.8
65 years and over:					
United States	11,718	346.1	76,652	2,263.7	6.5
Northeast	2,566	350.8	19,880	2,717.3	7.7
Midwest	2,985	367.2	18,503	2,276.5	6.2
South	4,151	351.1	26,811	2,267.5	6.5
West	2,016	305.7	11,457	1,737.5	5.7
Male					
All ages:					
United States	12,110	94.1	69,928	543.4	5.8
Northeast	2,807	112.9	18,552	746.0	6.6
Midwest	2,880	95.3	15,676	518.9	5.4
South	4,289	95.9	24,787	554.3	5.8
West	2,134	73.9	10,913	377.7	5.1
Under 15 years:					
United States	1,240	42.0	5,710	193.2	4.6
Northeast	327	60.3	1,717	316.0	5.2
Midwest	298	43.3	1,328	192.7	4.5
South	344	33.5	1,561	151.8	4.5
West	271	39.0	1,105	159.0	4.1
15–44 years:					
United States	2,831	47.7	15,604	263.2	5.5
Northeast	700	61.6	4,528	398.5	6.5
Midwest	657	47.2	3,224	231.9	4.9
South	998	48.8	5,362	262.1	5.4
West	476	35.1	2,491	183.5	5.2
45–64 years:					
United States	3,138	120.8	17,107	658.8	5.5
Northeast	690	133.9	4,198	815.2	6.1
Midwest	679	110.9	3,401	555.3	5.0
South	1,233	134.9	6,811	745.2	5.5
West	536	96.5	2,697	485.5	5.0

Table 3. Number and rate of discharges from short-stay hospitals and days of care, with average lengths of stay, by sex, age, and geographic region: United States, 1996—Con.

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

Sex, age, and region	Discharges		Days of care		Average length of stay in days
	Number in thousands	Rate per 1,000 population	Number in thousands	Rate per 1,000 population	
Male—Continued					
65 years and over:					
United States	4,901	353.1	31,507	2,269.8	6.4
Northeast	1,090	373.0	8,109	2,775.1	7.4
Midwest	1,246	377.6	7,723	2,341.1	6.2
South	1,714	354.3	11,053	2,284.7	6.4
West	851	301.6	4,621	1,637.6	5.4
Female					
All ages:					
United States	18,435	136.2	89,955	664.8	4.9
Northeast	3,859	144.8	22,791	855.1	5.9
Midwest	4,226	133.0	19,898	626.3	4.7
South	6,796	142.6	32,605	684.2	4.8
West	3,553	121.6	14,661	501.6	4.1
Under 15 years:					
United States	967	34.3	4,355	154.6	4.5
Northeast	248	48.0	1,119	216.3	4.5
Midwest	211	32.2	893	136.2	4.2
South	298	30.4	1,306	133.0	4.4
West	210	31.7	1,037	156.8	4.9
15–44 years:					
United States	7,495	126.1	24,041	404.4	3.2
Northeast	1,434	125.0	5,747	500.9	4.0
Midwest	1,585	114.0	4,836	348.0	3.1
South	2,825	134.8	9,065	432.6	3.2
West	1,651	125.9	4,393	335.0	2.7
45–64 years:					
United States	3,156	113.8	16,414	592.0	5.2
Northeast	700	124.7	4,155	740.2	5.9
Midwest	692	106.7	3,389	522.3	4.9
South	1,236	124.9	6,476	654.4	5.2
West	528	92.1	2,395	418.0	4.5
65 years and over:					
United States	6,817	341.2	45,145	2,259.5	6.6
Northeast	1,476	336.0	11,771	2,678.9	8.0
Midwest	1,739	360.1	10,780	2,232.4	6.2
South	2,437	348.9	15,758	2,256.0	6.5
West	1,165	308.8	6,836	1,812.3	5.9

Table 4. Number of deaths and fatality rate for discharges from short-stay hospitals, by sex and age: United States, 1996

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

Age	Number in thousands			Rate per 100 discharges		
	Both sexes	Male	Female	Both sexes	Male	Female
All ages	815	410	405	2.7	3.4	2.2
Under 65 years	215	121	94	1.1	1.7	0.8
Under 15 years	18	11	*7	0.8	0.9	*0.7
15–44 years	59	35	24	0.6	1.2	0.3
45–64 years	138	75	64	2.2	2.4	2.0
65 years and over	600	289	311	5.1	5.9	4.6
65–74 years	193	108	86	4.0	4.8	3.4
75–84 years	244	123	121	5.2	6.2	4.4
85 years and over	162	58	104	7.4	8.7	6.9

* Figure does not meet standard of reliability or precision.

Table 5. Number and rate of discharges from short-stay hospitals and of days of care and average length of stay, by selected first-listed diagnostic categories: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Diagnostic groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD–9–CM)*]

Diagnostic category and ICD–9–CM code	Discharges		Days of care		Average length of stay in days
	Number in thousands	Rate per 10,000 population	Number in thousands	Rate per 10,000 population	
All conditions ¹	30,545	1,157.0	159,883	6,056.2	5.2
Heart disease 391–392.0,393–398,402,404,410–416,420–429	4,239	160.6	22,195	840.7	5.2
Acute myocardial infarction 410	825	31.3	5,166	195.7	6.3
Coronary atherosclerosis 414.0	1,041	39.4	4,881	184.9	4.7
Other ischemic heart disease 411–413, 414.1–414.9	396	15.0	1,359	51.5	3.4
Cardiac dysrhythmias 427	618	23.4	2,430	92.0	3.9
Congestive heart failure 428.0	870	33.0	5,256	199.1	6.0
Females with deliveries V27	3,830	145.1	8,367	317.0	2.2
Malignant neoplasms 140–208,230–234	1,374	52.1	9,580	362.9	7.0
Malignant neoplasm of large intestine and rectum 153–154,197.5	155	5.9	1,523	57.7	9.8
Malignant neoplasm of trachea, bronchus, and lung 162,176.4,197.0,197.3	210	8.0	1,483	56.2	7.0
Malignant neoplasm of breast 174–175,198.81	125	4.7	368	13.9	3.0
Psychosis 290–299	1,212	45.9	11,854	449.0	9.8
Pneumonia 480–486	1,202	45.5	7,759	293.9	6.5
Fractures 800–829	1,012	38.3	5,952	225.4	5.9
Fracture of neck of femur 820	349	13.2	2,594	98.2	7.4
Cerebrovascular disease 430–438	955	36.2	6,367	241.2	6.7
Arthropathies and related disorders 710–719	563	21.3	2,815	106.6	5.0
Diabetes mellitus 250	503	19.1	3,175	120.2	6.3
Asthma 493	474	17.9	1,710	64.8	3.6
Volume depletion 276.5	434	16.4	1,953	74.0	4.5
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210–229,235–239	431	16.3	1,602	60.7	3.7
Cholelithiasis 574	386	14.6	1,546	58.6	4.0
Septicemia 038	355	13.5	3,006	113.9	8.5
Intervertebral disc disorders 722	340	12.9	1,040	39.4	3.1
Cellulitis and abscess 681–682	324	12.3	1,824	69.1	5.6
Acute respiratory infections 460–466	317	12.0	1,059	40.1	3.3
Diseases of the central nervous system 320–349	302	11.4	1,949	73.8	6.5

¹Includes data for diagnostic conditions not shown in table.

Table 6. Number and rate of discharges from short-stay hospitals, and average length of stay, for patients 65 years of age and over, by age and selected first-listed diagnostic categories: United States, 1996[Discharges of inpatients from non-Federal hospitals. Diagnostic groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Diagnostic category and ICD-9-CM code	65 years and over	65-74 years	75-84 years	85 years and over
	Discharges in thousands			
All conditions ¹	11,718	4,804	4,724	2,190
Heart disease 391-392.0,393-398,402,404,410-416,420-429	2,721	1,164	1,114	443
Acute myocardial infarction 410	500	229	207	64
Coronary atherosclerosis 414.0	578	319	213	46
Other ischemic heart disease 411-413,414.1-414.9	224	104	93	27
Cardiac dysrhythmias 427	427	168	178	80
Congestive heart failure 428.0	686	215	298	173
Malignant neoplasms 140-208, 230-234	745	405	262	79
Malignant neoplasm of large intestine and rectum 153-154, 197.5	109	48	41	20
Malignant neoplasm of trachea, bronchus, and lung 162,176.4,197.0,197.3	122	70	43	*9
Cerebrovascular disease 430-438	727	252	326	149
Pneumonia 480-486	699	219	280	200
Fractures 800-829	523	130	210	183
Fracture of neck of femur 820	316	60	134	122
Arthropathies and related disorders 710-719	345	179	142	24
Chronic bronchitis 490-491	279	128	111	40
Psychosis 290-299	255	106	102	48
Septicemia 038	236	78	93	64
Volume depletion 276.5	208	62	82	64
Urinary tract infection, not specified 599.0	199	45	85	68
Diabetes mellitus 250	198	100	72	26
	Discharge rate per 10,000 population			
All conditions ¹	3,460.7	2,573.1	4,133.4	5,822.3
Heart disease 391-392.0,393-398,402,404,410-416,420-429	803.6	623.6	974.3	1,178.7
Acute myocardial infarction 410	147.7	122.9	181.2	169.4
Coronary atherosclerosis 414.0	170.8	171.0	186.2	123.0
Other ischemic heart disease 411-413,414.1-414.9	66.2	55.8	81.0	72.7
Cardiac dysrhythmias 427	126.0	90.2	155.8	213.5
Congestive heart failure 428.0	202.7	115.4	260.4	460.7
Malignant neoplasms 140-208, 230-234	220.1	216.8	228.9	209.6
Malignant neoplasm of large intestine and rectum 153-154, 197.5	32.0	25.9	35.6	52.0
Malignant neoplasm of trachea, bronchus, and lung 162,176.4,197.0,197.3	36.1	37.6	37.6	*23.9
Cerebrovascular disease 430-438	214.7	135.0	285.3	395.9
Pneumonia 480-486	206.3	117.1	244.6	532.6
Fractures 800-829	154.5	69.5	183.8	487.0
Fracture of neck of femur 820	93.4	32.3	116.8	325.6
Arthropathies and related disorders 710-719	101.8	96.1	124.0	62.8
Chronic bronchitis 490-491	82.3	68.7	96.8	105.8
Psychosis 290-299	75.5	56.8	88.9	127.2
Septicemia 038	69.6	41.9	81.6	171.1
Volume depletion 276.5	61.4	33.4	71.3	170.2
Urinary tract infection, not specified 599.0	58.8	24.3	74.8	181.4
Diabetes mellitus 250	58.4	53.6	63.0	68.1

Table 6. Number and rate of discharges from short-stay hospitals, and average length of stay, for patients 65 years of age and over, by age and selected first-listed diagnostic categories: United States, 1996—Con.[Discharges of inpatients from non-Federal hospitals. Diagnostic groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Diagnostic category and ICD-9-CM code	65 years and over	65-74 years	75-84 years	85 years and over
	Average length of stay in days			
All conditions ¹	3.5	6.2	6.6	7.0
Heart disease 391-392.0,393-398,402,404,410-416,420-429	5.6	5.5	5.8	5.8
Acute myocardial infarction 410	6.8	6.4	7.3	6.5
Coronary atherosclerosis 414.0	5.3	5.3	5.3	4.7
Other ischemic heart disease 411-413,414.1-414.9	3.9	3.6	4.0	4.6
Cardiac dysrhythmias 427	4.1	3.9	4.1	4.6
Congestive heart failure 428.0	6.2	6.3	6.1	6.1
Malignant neoplasms 140-208, 230-234	7.2	7.0	7.5	7.9
Malignant neoplasm of large intestine and rectum 153-154, 197.5	10.1	9.3	10.4	11.4
Malignant neoplasm of trachea, bronchus, and lung 162,176.4,197.0,197.3	7.4	7.3	7.8	*7.4
Cerebrovascular disease 430-438	6.6	6.2	6.7	7.4
Pneumonia 480-486	7.3	7.1	7.3	7.5
Fractures 800-829	7.0	6.6	7.3	7.1
Fracture of neck of femur 820	7.5	7.4	7.8	7.3
Arthropathies and related disorders 710-719	5.4	5.0	5.7	7.2
Chronic bronchitis 490-491	5.9	5.8	5.8	6.1
Psychosis 290-299	11.6	12.2	12.1	9.3
Septicemia 038	8.4	8.3	8.4	8.6
Volume depletion 276.5	5.8	5.5	5.9	6.0
Urinary tract infection, not specified 599.0	6.7	6.3	6.5	7.1
Diabetes mellitus 250	7.1	6.9	7.2	7.3

* Figure does not meet standard of reliability or precision.

¹Includes diagnostic data for conditions not shown in table.

Table 7. Number of discharges from short-stay hospitals, by age and first-listed diagnosis: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Diagnostic groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Category of first-listed diagnosis and ICD-9-CM code	All ages	Under 15 years	15-44 years	45-64 years	65 years and over
	Number in thousands				
All conditions	30,545	2,207	10,325	6,294	11,718
Infectious and parasitic diseases 001-139	845	153	225	135	332
Septicemia 038	355	19	43	57	236
Neoplasms 140-239	1,805	40	327	611	826
Malignant neoplasms 140-208,230-234	1,374	29	142	458	745
Malignant neoplasm of large intestine and rectum 153-154,197.5	155	*	*8	38	109
Malignant neoplasm of trachea, bronchus, and lung 162,176.4,197.0,197.3	210	*	13	73	122
Malignant neoplasm of breast 174-175,198.81	125	*	15	54	56
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229,235-239	431	11	186	153	81
Endocrine, nutritional and metabolic diseases, and immunity disorders 240-279	1,272	155	250	305	563
Diabetes mellitus 250	503	24	120	161	198
Volume depletion 276.5	434	110	58	58	208
Diseases of the blood and blood-forming organs 280-289	333	53	88	65	128
Mental disorders 290-319	1,943	81	1,145	401	315
Psychoses 290-299	1,212	36	664	256	255
Alcohol dependence syndrome 303	206	*	140	56	10
Diseases of the nervous system and sense organs 320-389	512	89	138	99	187
Diseases of the central nervous system 320-349	302	41	101	61	99
Diseases of the ear and mastoid process 380-389	75	33	*8	10	24
Diseases of the circulatory system 390-459	6,107	25	413	1,706	3,963
Heart disease 391-392.0,393-398,402,404,410-416,420-429	4,239	18	252	1,248	2,721
Acute myocardial infarction 410	825	*	42	282	500
Coronary atherosclerosis 414.0	1,041	*	47	414	578
Other ischemic heart disease 411-413,414.1-414.9	396	*	32	139	224
Cardiac dysrhythmias 427	618	*6	45	140	427
Congestive heart failure 428.0	870	*	29	153	686
Cerebrovascular disease 430-438	955	*	40	187	727
Diseases of the respiratory system 460-519	3,238	653	450	584	1,550
Acute respiratory infections 460-466	317	196	40	30	51
Chronic disease of tonsils and adenoids 474	27	20	*6	*	-
Pneumonia 480-486	1,202	190	140	173	699
Asthma 493	474	195	132	88	59
Diseases of the digestive system 520-579	2,906	205	746	757	1,198
Ulcers of the stomach and small intestine 531-534	193	*	30	57	104
Appendicitis 540-543	235	61	127	31	15
Inguinal hernia 550	57	9	*9	11	28
Noninfectious enteritis and colitis 555-558	276	61	82	49	84
Cholelithiasis 574	386	*	118	126	139
Diseases of the genitourinary system 580-629	1,673	69	590	413	600
Calculus of kidney and ureter 592	176	*	85	64	26
Hyperplasia of prostate 600	106	-	*	21	85
Complications of pregnancy, childbirth, and the puerperium ¹ 630-677	536	*	534	*	...
Abortions and ectopic and molar pregnancies 630-639	108	*	108	*	...
Diseases of the skin and subcutaneous tissue 680-709	452	45	126	120	162
Cellulitis and abscess 681-682	324	29	95	92	107
Diseases of the musculoskeletal system and connective tissue 710-739	1,506	37	370	430	668
Arthropathies and related disorders 710-719	563	13	78	127	345
Intervertebral disc disorders 722	340	*	156	131	52
Congenital anomalies 740-759	167	114	25	19	*8
Certain conditions originating in the perinatal period 760-779	152	152	-	-	-
Symptoms, signs, and ill-defined conditions 780-799	302	52	114	75	61
Injury and poisoning 800-999	2,550	223	865	485	977
Fractures, all sites 800-829	1,012	71	263	154	523
Fracture of neck of femur 820	349	*	*9	22	316
Intracranial injuries (excluding those with skull fracture) 850-854	141	20	56	18	46
Open wounds 870-897	124	15	73	22	14
Supplementary classifications V01-V82	4,246	59	3,919	88	180
Females with deliveries V27	3,830	10	3,817	*	...

- Quantity zero.

* Figure does not meet standard of reliability or precision.

... Category not applicable.

¹First-listed diagnosis for females with deliveries is coded V27, shown under "Supplementary classifications."

Table 8. Rate of discharges from short-stay hospitals, by age and first-listed diagnosis: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Diagnostic groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Category of first-listed diagnosis and ICD-9-CM code	All ages	Under 15 years	15-44 years	45-64 years	65 years and over	
		Rate per 10,000 population				
All conditions	1,157.0	382.4	869.6	1,172.2	3,460.7	
Infectious and parasitic diseases 001-139	32.0	26.5	19.0	25.2	98.0	
Septicemia 038	13.5	3.3	3.7	10.5	69.6	
Neoplasms 140-239	68.4	6.9	27.6	113.9	244.0	
Malignant neoplasms 140-208,230-234	52.1	5.1	11.9	85.3	220.1	
Malignant neoplasm of large intestine and rectum 153-154,197.5	5.9	*	*0.7	7.1	32.0	
Malignant neoplasm of trachea, bronchus, and lung 162,176.4,197.0,197.3	8.0	*	1.1	13.5	36.1	
Malignant neoplasm of breast 174-175,198.81	4.7	*	1.2	10.0	16.5	
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229,235-239	16.3	1.8	15.7	28.5	23.9	
Endocrine, nutritional and metabolic diseases, and immunity disorders 240-279	48.2	26.9	21.0	56.7	166.3	
Diabetes mellitus 250	19.1	4.2	10.1	30.0	58.4	
Volume depletion 276.5	16.4	19.1	4.9	10.8	61.4	
Diseases of the blood and blood-forming organs 280-289	12.6	9.1	7.4	12.0	37.9	
Mental disorders 290-319	73.6	14.0	96.5	74.7	93.0	
Psychoses 290-299	45.9	6.2	56.0	47.7	75.5	
Alcohol dependence syndrome 303	7.8	*	11.8	10.4	2.9	
Diseases of the nervous system and sense organs 320-389	19.4	15.3	11.7	18.4	55.2	
Diseases of the central nervous system 320-349	11.4	7.0	8.5	11.3	29.3	
Diseases of the ear and mastoid process 380-389	2.8	5.7	*0.7	1.9	7.0	
Diseases of the circulatory system 390-459	231.3	4.4	34.8	317.7	1,170.4	
Heart disease 391-392.0,393-398,402,404,410-416,420-429	160.6	3.1	21.2	232.5	803.6	
Acute myocardial infarction 410	31.3	*	3.5	52.5	147.7	
Coronary atherosclerosis 414.0	39.4	*	4.0	77.2	170.8	
Other ischemic heart disease 411-413,414.1-414.9	15.0	*	2.7	25.8	66.2	
Cardiac dysrhythmias 427	23.4	*1.0	3.8	26.1	126.0	
Congestive heart failure 428.0	33.0	*	2.4	28.5	202.7	
Cerebrovascular disease 430-438	36.2	*	3.3	34.8	214.7	
Diseases of the respiratory system 460-519	122.6	113.2	37.9	108.8	457.8	
Acute respiratory infections 460-466	12.0	34.0	3.4	5.6	14.9	
Chronic disease of tonsils and adenoids 474	1.0	3.5	*0.5	*	-	
Pneumonia 480-486	45.5	33.0	11.8	32.3	206.3	
Asthma 493	17.9	33.8	11.1	16.4	17.4	
Diseases of the digestive system 520-579	110.1	35.6	62.8	141.1	353.7	
Ulcers of the stomach and small intestine 531-534	7.3	*	2.5	10.6	30.8	
Appendicitis 540-543	8.9	10.6	10.7	5.8	4.6	
Inguinal hernia 550	2.2	1.6	*0.8	2.0	8.2	
Noninfectious enteritis and colitis 555-558	10.5	10.5	6.9	9.2	24.9	
Cholelithiasis 574	14.6	*	9.9	23.5	41.1	
Diseases of the genitourinary system 580-629	63.4	12.0	49.7	76.9	177.3	
Calculus of kidney and ureter 592	6.7	*	7.1	11.9	7.6	
Hyperplasia of prostate 600	4.0	-	*	3.8	25.0	
Complications of pregnancy, childbirth, and the puerperium ¹ 630-677	20.3	*	44.9	*	...	
Abortions and ectopic and molar pregnancies 630-639	4.1	*	9.1	*	...	
Diseases of the skin and subcutaneous tissue 680-709	17.1	7.7	10.6	22.3	47.8	
Cellulitis and abscess 681-682	12.3	5.1	8.0	17.1	31.7	
Diseases of the musculoskeletal system and connective tissue 710-739	57.0	6.4	31.2	80.1	197.4	
Arthropathies and related disorders 710-719	21.3	2.3	6.6	23.7	101.8	
Intervertebral disc disorders 722	12.9	*	13.2	24.4	15.5	
Congenital anomalies 740-759	6.3	19.8	2.1	3.6	*2.3	
Certain conditions originating in the perinatal period 760-779	5.8	26.4	-	-	-	
Symptoms, signs, and ill-defined conditions 780-799	11.4	9.0	9.6	14.0	18.0	
Injury and poisoning 800-999	96.6	38.6	72.8	90.3	288.7	
Fractures, all sites 800-829	38.3	12.4	22.2	28.7	154.5	
Fracture of neck of femur 820	13.2	*	*0.7	4.0	93.4	
Intracranial injuries (excluding those with skull fracture) 850-854	5.3	3.5	4.8	3.4	13.6	
Open wounds 870-897	4.7	2.6	6.2	4.0	4.2	
Supplementary classifications V01-V82	160.8	10.2	330.0	16.5	53.1	
Females with deliveries V27	145.1	1.7	321.5	*	...	

* Figure does not meet standard of reliability or precision.

- Quantity zero.

... Category not applicable.

¹First-listed diagnosis for females with deliveries is coded V27, shown under "Supplementary classifications."

Table 9. Average length of stay for discharges from short-stay hospitals, by age and first-listed diagnosis: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Diagnostic groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Category of first-listed diagnosis and ICD-9-CM code	All ages	Under 15 years	15-44 years	45-64 years	65 years and over
	Average length of stay in days				
All conditions	5.2	4.6	3.8	5.3	6.5
Infectious and parasitic diseases 001-139	7.4	3.9	8.4	8.2	8.0
Septicemia 038	8.5	5.6	9.0	9.3	8.4
Neoplasms 140-239	6.2	7.8	4.6	5.7	7.1
Malignant neoplasms 140-208,230-234	7.0	8.7	6.8	6.5	7.2
Malignant neoplasm of large intestine and rectum 153-154,197.5	9.8	*	*12.2	8.4	10.1
Malignant neoplasm of trachea, bronchus, and lung 162,176.4,197.0,197.3	7.0	*	7.0	6.5	7.4
Malignant neoplasm of breast 174-175,198.81	3.0	*	3.7	2.7	3.0
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229,235-239	3.7	5.2	3.0	3.6	5.4
Endocrine, nutritional and metabolic diseases, and immunity disorders 240-279	5.3	2.9	4.3	5.7	6.2
Diabetes mellitus 250	6.3	3.3	4.8	7.0	7.1
Volume depletion 276.5	4.5	2.2	3.7	5.0	5.8
Diseases of the blood and blood-forming organs 280-289	4.9	3.3	5.9	4.7	5.1
Mental disorders 290-319	8.5	11.2	7.7	8.4	10.7
Psychoses 290-299	9.8	11.1	9.0	9.8	11.6
Alcohol dependence syndrome 303	6.9	*	7.1	5.7	9.0
Diseases of the nervous system and sense organs 320-389	5.1	3.8	4.6	5.7	5.7
Diseases of the central nervous system 320-349	6.5	4.8	5.0	7.5	8.0
Diseases of the ear and mastoid process 380-389	2.6	2.5	*2.2	2.4	3.0
Diseases of the circulatory system 390-459	5.5	6.0	4.3	4.9	5.9
Heart disease 391-392.0,393-398,402,404,410-416,420-429	5.2	6.6	3.9	4.6	5.6
Acute myocardial infarction 410	6.3	*	4.4	5.6	6.8
Coronary atherosclerosis 414.0	4.7	*	3.0	4.0	5.3
Other ischemic heart disease 411-413,414.1-414.9	3.4	*	2.2	3.0	3.9
Cardiac dysrhythmias 427	3.9	*2.8	3.4	3.5	4.1
Congestive heart failure 428.0	6.0	*	4.6	5.7	6.2
Cerebrovascular disease 430-438	6.7	*	6.8	6.7	6.6
Diseases of the respiratory system 460-519	5.9	3.4	4.8	6.1	7.3
Acute respiratory infections 460-466	3.3	3.0	2.7	3.6	5.0
Chronic disease of tonsils and adenoids 474	1.6	1.7	*1.1	*	-
Pneumonia 480-486	6.5	3.8	5.7	6.6	7.3
Asthma 493	3.6	2.7	3.6	4.4	5.6
Diseases of the digestive system 520-579	5.1	3.4	4.1	4.8	6.2
Ulcers of the stomach and small intestine 531-534	6.0	*	5.7	4.9	6.8
Appendicitis 540-543	3.5	3.5	3.0	4.1	7.1
Inguinal hernia 550	2.7	1.6	*1.9	2.4	3.4
Noninfectious enteritis and colitis 555-558	5.1	2.5	5.0	5.6	6.9
Cholelithiasis 574	4.0	*	2.8	3.3	5.7
Diseases of the genitourinary system 580-629	4.1	4.1	3.0	3.6	5.6
Calculus of kidney and ureter 592	2.3	*	2.1	2.2	3.0
Hyperplasia of prostate 600	3.5	-	*	2.9	3.7
Complications of pregnancy, childbirth, and the puerperium ¹ 630-677	2.5	*	2.5	*	...
Abortions and ectopic and molar pregnancies 630-639	1.8	*	1.8	*	...
Diseases of the skin and subcutaneous tissue 680-709	6.3	3.8	5.1	6.5	7.7
Cellulitis and abscess 681-682	5.6	3.2	4.5	6.1	6.9
Diseases of the musculoskeletal system and connective tissue 710-739	4.8	3.7	3.6	4.1	5.8
Arthropathies and related disorders 710-719	5.0	3.6	4.0	4.6	5.4
Intervertebral disc disorders 722	3.1	*	2.8	2.8	4.5
Congenital anomalies 740-759	6.5	7.5	4.8	3.2	*6.9
Certain conditions originating in the perinatal period 760-779	10.1	10.1	-	-	-
Symptoms, signs, and ill-defined conditions 780-799	3.3	2.3	3.2	2.9	4.8
Injury and poisoning 800-999	5.4	3.8	4.4	5.3	6.8
Fractures, all sites 800-829	5.9	3.6	4.6	5.1	7.0
Fracture of neck of femur 820	7.4	*	*7.1	6.5	7.5
Intracranial injuries (excluding those with skull fracture) 850-854	6.7	4.3	5.4	7.5	9.0
Open wounds 870-897	3.3	3.1	3.1	3.5	4.1
Supplementary classifications V01-V82	2.7	4.4	2.2	6.8	11.1
Females with deliveries V27	2.2	2.8	2.2	*	...

* Figure does not meet standard of reliability or precision.

- Quantity zero.

... Category not applicable.

¹First-listed diagnosis for females with deliveries is coded V27, shown under "Supplementary classifications."

Table 10. Number of discharges from short-stay hospitals, by sex and first-listed diagnosis: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Diagnostic groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Category of first-listed diagnosis and ICD-9-CM code	Both sexes	Number in thousands	
		Male	Female
All conditions	30,545	12,110	18,435
Infectious and parasitic diseases 001-139	845	412	434
Septicemia 038	355	156	199
Neoplasms 140-239	1,805	693	1,112
Malignant neoplasms 140-208,230-234	1,374	626	748
Malignant neoplasm of large intestine and rectum 153-154,197.5	155	69	86
Malignant neoplasm of trachea, bronchus, and lung 162,176.4,197.0,197.3	210	118	93
Malignant neoplasm of breast 174-175,198.81	125	*	123
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229,235-239	431	67	364
Endocrine, nutritional and metabolic diseases, and immunity disorders 240-279	1,272	519	753
Diabetes mellitus 250	503	233	270
Volume depletion 276.5	434	162	272
Diseases of the blood and blood-forming organs 280-289	333	143	191
Mental disorders 290-319	1,943	1,004	939
Psychoses 290-299	1,212	569	643
Alcohol dependence syndrome 303	206	158	48
Diseases of the nervous system and sense organs 320-389	512	225	287
Diseases of the central nervous system 320-349	302	128	174
Diseases of the ear and mastoid process 380-389	75	37	38
Diseases of the circulatory system 390-459	6,107	3,101	3,006
Heart disease 391-392.0,393-398,402,404,410-416,420-429	4,239	2,216	2,023
Acute myocardial infarction 410	825	496	329
Coronary atherosclerosis 414.0	1,041	626	416
Other ischemic heart disease 411-413,414.1-414.9	396	204	192
Cardiac dysrhythmias 427	618	290	328
Congestive heart failure 428.0	870	377	493
Cerebrovascular disease 430-438	955	437	518
Diseases of the respiratory system 460-519	3,238	1,544	1,694
Acute respiratory infections 460-466	317	163	154
Chronic disease of tonsils and adenoids 474	27	14	13
Pneumonia 480-486	1,202	574	628
Asthma 493	474	195	279
Diseases of the digestive system 520-579	2,906	1,295	1,612
Ulcers of the stomach and small intestine 531-534	193	104	89
Appendicitis 540-543	235	140	95
Inguinal hernia 550	57	48	*9
Noninfectious enteritis and colitis 555-558	276	110	166
Cholelithiasis 574	386	115	271
Diseases of the genitourinary system 580-629	1,673	526	1,146
Calculus of kidney and ureter 592	176	107	69
Hyperplasia of prostate 600	106	106	...
Complications of pregnancy, childbirth, and the puerperium ¹ 630-677	536	...	536
Abortions and ectopic and molar pregnancies 630-639	108	...	108
Diseases of the skin and subcutaneous tissue 680-709	452	236	216
Cellulitis and abscess 681-682	324	176	148
Diseases of the musculoskeletal system and connective tissue 710-739	1,506	638	868
Arthropathies and related disorders 710-719	563	213	350
Intervertebral disc disorders 722	340	183	157
Congenital anomalies 740-759	167	92	75
Certain conditions originating in the perinatal period 760-779	152	90	63
Symptoms, signs, and ill-defined conditions 780-799	302	140	162
Injury and poisoning 800-999	2,550	1,277	1,273
Fractures, all sites 800-829	1,012	421	591
Fracture of neck of femur 820	349	80	269
Intracranial injuries (excluding those with skull fracture) 850-854	141	91	50
Open wounds 870-897	124	95	30
Supplementary classifications V01-V82	4,246	177	4,069
Females with deliveries V27	3,830	...	3,830

* Figure does not meet standard of reliability or precision.

... Category not applicable.

¹First-listed diagnosis for females with deliveries is coded V27, shown under "Supplementary classifications."

Table 11. Rate of discharges from short-stay hospitals, by sex and first-listed diagnosis: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Diagnostic groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Category of first-listed diagnosis and ICD-9-CM code	Both sexes	Rate per 10,000 population	
		Male	Female
All conditions	1,157.0	941.0	1,362.5
Infectious and parasitic diseases 001-139	32.0	32.0	32.0
Septicemia 038	13.5	12.1	14.7
Neoplasms 140-239	68.4	53.9	82.2
Malignant neoplasms 140-208,230-234	52.1	48.7	55.3
Malignant neoplasm of large intestine and rectum 153-154,197.5	5.9	5.4	6.4
Malignant neoplasm of trachea, bronchus, and lung 162,176.4,197.0,197.3	8.0	9.1	6.9
Malignant neoplasm of breast 174-175,198.81	4.7	*	9.1
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229,235-239	16.3	5.2	26.9
Endocrine, nutritional and metabolic diseases, and immunity disorders 240-279	48.2	40.4	55.7
Diabetes mellitus 250	19.1	18.1	20.0
Volume depletion 276.5	16.4	12.6	20.1
Diseases of the blood and blood-forming organs 280-289	12.6	11.1	14.1
Mental disorders 290-319	73.6	78.0	69.4
Psychoses 290-299	45.9	44.2	47.5
Alcohol dependence syndrome 303	7.8	12.3	3.6
Diseases of the nervous system and sense organs 320-389	19.4	17.5	21.2
Diseases of the central nervous system 320-349	11.4	9.9	12.9
Diseases of the ear and mastoid process 380-389	2.8	2.9	2.8
Diseases of the circulatory system 390-459	231.3	241.0	222.2
Heart disease 391-392.0,393-398,402,404,410-416,420-429	160.6	172.2	149.5
Acute myocardial infarction 410	31.3	38.5	24.4
Coronary atherosclerosis 414.0	39.4	48.6	30.7
Other ischemic heart disease 411-413,414.1-414.9	15.0	15.9	14.2
Cardiac dysrhythmias 427	23.4	22.5	24.2
Congestive heart failure 428.0	33.0	29.3	36.4
Cerebrovascular disease 430-438	36.2	33.9	38.3
Diseases of the respiratory system 460-519	122.6	120.0	125.2
Acute respiratory infections 460-466	12.0	12.7	11.4
Chronic disease of tonsils and adenoids 474	1.0	1.1	1.0
Pneumonia 480-486	45.5	44.6	46.4
Asthma 493	17.9	15.1	20.6
Diseases of the digestive system 520-579	110.1	100.6	119.1
Ulcers of the stomach and small intestine 531-534	7.3	8.1	6.6
Appendicitis 540-543	8.9	10.9	7.0
Inguinal hernia 550	2.2	3.8	*0.6
Noninfectious enteritis and colitis 555-558	10.5	8.6	12.3
Cholelithiasis 574	14.6	8.9	20.0
Diseases of the genitourinary system 580-629	63.4	40.9	84.7
Calculus of kidney and ureter 592	6.7	8.3	5.1
Hyperplasia of prostate 600	4.0	8.2	...
Complications of pregnancy, childbirth, and the puerperium ¹ 630-677	20.3	...	39.6
Abortions and ectopic and molar pregnancies 630-639	4.1	...	8.0
Diseases of the skin and subcutaneous tissue 680-709	17.1	18.3	16.0
Cellulitis and abscess 681-682	12.3	13.7	10.9
Diseases of the musculoskeletal system and connective tissue 710-739	57.0	49.6	64.1
Arthropathies and related disorders 710-719	21.3	16.6	25.9
Intervertebral disc disorders 722	12.9	14.3	11.6
Congenital anomalies 740-759	6.3	7.1	5.6
Certain conditions originating in the perinatal period 760-779	5.8	7.0	4.6
Symptoms, signs, and ill-defined conditions 780-799	11.4	10.9	12.0
Injury and poisoning 800-999	96.6	99.2	94.1
Fractures, all sites 800-829	38.3	32.7	43.7
Fracture of neck of femur 820	13.2	6.2	19.9
Intracranial injuries (excluding those with skull fracture) 850-854	5.3	7.0	3.7
Open wounds 870-897	4.7	7.4	2.2
Supplementary classifications V01-V82	160.8	13.7	300.7
Females with deliveries V27	145.1	...	283.0

* Figure does not meet standard of reliability or precision.

... Category not applicable.

¹First-listed diagnosis for females with deliveries is coded V27, shown under "Supplementary classifications."

Table 12. Average length of stay for discharges from short-stay hospitals, by sex and first-listed diagnosis: United States, 1996

[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Diagnostic groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Category of first-listed diagnosis and ICD-9-CM code	Both sexes	Male	Female
	Average length of stay in days		
All conditions	5.2	5.8	4.9
Infectious and parasitic diseases 001-139	7.4	7.8	7.0
Septicemia 038	8.5	8.6	8.4
Neoplasms 140-239	6.2	7.1	5.6
Malignant neoplasms 140-208,230-234	7.0	7.3	6.7
Malignant neoplasm of large intestine and rectum 153-154,197.5	9.8	9.2	10.3
Malignant neoplasm of trachea, bronchus, and lung 162,176.4,197.0,197.3	7.0	7.1	7.0
Malignant neoplasm of breast 174-175,198.81	3.0	*	3.0
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229,235-239	3.7	5.4	3.4
Endocrine, nutritional and metabolic diseases, and immunity disorders 240-279	5.3	5.6	5.1
Diabetes mellitus 250	6.3	6.9	5.8
Volume depletion 276.5	4.5	4.4	4.6
Diseases of the blood and blood-forming organs 280-289	4.9	4.7	5.2
Mental disorders 290-319	8.5	8.0	9.1
Psychoses 290-299	9.8	9.1	10.4
Alcohol dependence syndrome 303	6.9	6.7	7.5
Diseases of the nervous system and sense organs 320-389	5.1	5.4	4.8
Diseases of the central nervous system 320-349	6.5	7.1	6.0
Diseases of the ear and mastoid process 380-389	2.6	2.6	2.7
Diseases of the circulatory system 390-459	5.5	5.3	5.8
Heart disease 391-392.0,393-398,402,404,410-416,420-429	5.2	5.0	5.5
Acute myocardial infarction 410	6.3	6.0	6.6
Coronary atherosclerosis 414.0	4.7	4.5	4.9
Other ischemic heart disease 411-413,414.1-414.9	3.4	3.4	3.5
Cardiac dysrhythmias 427	3.9	3.6	4.2
Congestive heart failure 428.0	6.0	5.7	6.3
Cerebrovascular disease 430-438	6.7	6.4	6.9
Diseases of the respiratory system 460-519	5.9	5.9	5.9
Acute respiratory infections 460-466	3.3	3.1	3.6
Chronic disease of tonsils and adenoids 474	1.6	1.5	1.7
Pneumonia 480-486	6.5	6.6	6.3
Asthma 493	3.6	3.2	3.9
Diseases of the digestive system 520-579	5.1	5.2	5.0
Ulcers of the stomach and small intestine 531-534	6.0	5.7	6.4
Appendicitis 540-543	3.5	3.5	3.6
Inguinal hernia 550	2.7	2.5	*3.3
Noninfectious enteritis and colitis 555-558	5.1	5.6	4.8
Cholelithiasis 574	4.0	5.2	3.5
Diseases of the genitourinary system 580-629	4.1	4.4	4.0
Calculus of kidney and ureter 592	2.3	2.2	2.5
Hyperplasia of prostate 600	3.5	3.5	...
Complications of pregnancy, childbirth, and the puerperium ¹ 630-677	2.5	...	2.5
Abortions and ectopic and molar pregnancies 630-639	1.8	...	1.8
Diseases of the skin and subcutaneous tissue 680-709	6.3	6.1	6.5
Cellulitis and abscess 681-682	5.6	5.2	6.1
Diseases of the musculoskeletal system and connective tissue 710-739	4.8	4.4	5.0
Arthropathies and related disorders 710-719	5.0	4.4	5.3
Intervertebral disc disorders 722	3.1	2.9	3.2
Congenital anomalies 740-759	6.5	6.7	6.3
Certain conditions originating in the perinatal period 760-779	10.1	9.8	10.6
Symptoms, signs, and ill-defined conditions 780-799	3.3	3.8	2.8
Injury and poisoning 800-999	5.4	5.3	5.6
Fractures, all sites 800-829	5.9	5.6	6.1
Fracture of neck of femur 820	7.4	8.0	7.3
Intracranial injuries (excluding those with skull fracture) 850-854	6.7	6.5	6.9
Open wounds 870-897	3.3	3.1	3.9
Supplementary classifications V01-V82	2.7	8.0	2.5
Females with deliveries V27	2.2	...	2.2

* Figure does not meet standard of reliability or precision.

... Category not applicable.

¹First-listed diagnosis for females with deliveries is coded V27, shown under "Supplementary classifications."

Table 13. Number of discharges from short-stay hospitals, by geographic region and first-listed diagnosis: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Diagnostic groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Category of first-listed diagnosis and ICD-9-CM code	United States	North-east	Midwest	South	West
	Number in thousands				
All conditions	30,545	6,665	7,107	11,085	5,688
Infectious and parasitic diseases 001-139	845	197	173	316	160
Septicemia 038	355	67	83	145	60
Neoplasms 140-239	1,805	454	371	623	356
Malignant neoplasms 140-208,230-234	1,374	359	287	465	263
Malignant neoplasm of large intestine and rectum 153-154,197.5	155	38	38	55	25
Malignant neoplasm of trachea, bronchus, and lung 162,176.4,197.0,197.3	210	53	42	74	42
Malignant neoplasm of breast 174-175,198.81	125	29	28	43	25
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229,235-239	431	95	84	158	94
Endocrine, nutritional and metabolic diseases, and immunity disorders 240-279	1,272	267	299	496	210
Diabetes mellitus 250	503	101	112	204	86
Volume depletion 276.5	434	98	107	169	60
Diseases of the blood and blood-forming organs 280-289	333	83	80	114	57
Mental disorders 290-319	1,943	555	516	669	202
Psychoses 290-299	1,212	338	335	410	129
Alcohol dependence syndrome 303	206	43	53	88	22
Diseases of the nervous system and sense organs 320-389	512	116	100	198	97
Diseases of the central nervous system 320-349	302	65	65	115	56
Diseases of the ear and mastoid process 380-389	75	19	14	28	13
Diseases of the circulatory system 390-459	6,107	1,388	1,477	2,235	1,008
Heart disease 391-392.0,393-398,402,404,410-416,420-429	4,239	986	1,031	1,522	700
Acute myocardial infarction 410	825	182	201	299	144
Coronary atherosclerosis 414.0	1,041	244	242	367	189
Other ischemic heart disease 411-413,414.1-414.9	396	105	101	138	51
Cardiac dysrhythmias 427	618	151	149	213	105
Congestive heart failure 428.0	870	187	224	337	122
Cerebrovascular disease 430-438	955	200	232	361	162
Diseases of the respiratory system 460-519	3,238	667	797	1,228	546
Acute respiratory infections 460-466	317	61	76	123	57
Chronic disease of tonsils and adenoids 474	27	17	*	*6	*
Pneumonia 480-486	1,202	221	328	456	198
Asthma 493	474	126	116	146	86
Diseases of the digestive system 520-579	2,906	629	690	1,050	536
Ulcers of the stomach and small intestine 531-534	193	33	53	71	36
Appendicitis 540-543	235	41	53	73	68
Inguinal hernia 550	57	22	10	16	*9
Noninfectious enteritis and colitis 555-558	276	60	69	110	37
Cholelithiasis 574	386	98	84	131	74
Diseases of the genitourinary system 580-629	1,673	334	383	666	290
Calculus of kidney and ureter 592	176	34	43	72	26
Hyperplasia of prostate 600	106	23	31	31	20
Complications of pregnancy, childbirth, and the puerperium ¹ 630-677	536	118	116	206	96
Abortions and ectopic and molar pregnancies 630-639	108	31	18	43	16
Diseases of the skin and subcutaneous tissue 680-709	452	107	115	145	84
Cellulitis and abscess 681-682	324	78	85	101	60
Diseases of the musculoskeletal system and connective tissue 710-739	1,506	300	357	560	288
Arthropathies and related disorders 710-719	563	114	147	192	110
Intervertebral disc disorders 722	340	63	71	144	62
Congenital anomalies 740-759	167	64	28	39	36
Certain conditions originating in the perinatal period 760-779	152	26	37	41	49
Symptoms, signs, and ill-defined conditions 780-799	302	69	53	134	46
Injury and poisoning 800-999	2,550	550	572	905	523
Fractures, all sites 800-829	1,012	209	241	359	203
Fracture of neck of femur 820	349	64	91	127	66
Intracranial injuries (excluding those with skull fracture) 850-854	141	33	30	44	34
Open wounds 870-897	124	22	21	48	32
Supplementary classifications V01-V82	4,246	740	944	1,458	1,105
Females with deliveries V27	3,830	624	785	1,384	1,036

* Figure does not meet standard of reliability or precision.

¹First-listed diagnosis for females with deliveries is coded V27, shown under "Supplementary classifications."

Table 14. Rate of discharges from short-stay hospitals, by geographic region and first-listed diagnosis: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Diagnostic groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Category of first-listed diagnosis and ICD-9-CM code	United States	North-east	Midwest	South	West
	Rate per 10,000 population				
All conditions	1,157.0	1,293.7	1,146.5	1,200.0	978.5
Infectious and parasitic diseases 001-139	32.0	38.3	27.9	34.2	27.5
Septicemia 038	13.5	12.9	13.5	15.7	10.3
Neoplasms 140-239	68.4	88.1	59.8	67.5	61.3
Malignant neoplasms 140-208,230-234	52.1	69.8	46.2	50.4	45.2
Malignant neoplasm of large intestine and rectum 153-154,197.5	5.9	7.3	6.1	5.9	4.3
Malignant neoplasm of trachea, bronchus, and lung 162,176.4,197.0,197.3	8.0	10.3	6.7	8.0	7.3
Malignant neoplasm of breast 174-175,198.81	4.7	5.6	4.6	4.6	4.3
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229,235-239	16.3	18.4	13.6	17.1	16.1
Endocrine, nutritional and metabolic diseases, and immunity disorders 240-279	48.2	51.9	48.2	53.7	36.2
Diabetes mellitus 250	19.1	19.5	18.1	22.1	14.8
Volume depletion 276.5	16.4	19.0	17.2	18.3	10.4
Diseases of the blood and blood-forming organs 280-289	12.6	16.1	12.9	12.3	9.8
Mental disorders 290-319	73.6	107.7	83.3	72.5	34.8
Psychoses 290-299	45.9	65.5	54.0	44.4	22.2
Alcohol dependence syndrome 303	7.8	8.4	8.6	9.5	3.7
Diseases of the nervous system and sense organs 320-389	19.4	22.6	16.2	21.5	16.7
Diseases of the central nervous system 320-349	11.4	12.6	10.5	12.5	9.7
Diseases of the ear and mastoid process 380-389	2.8	3.7	2.3	3.1	2.3
Diseases of the circulatory system 390-459	231.3	269.5	238.2	241.9	173.4
Heart disease 391-392.0,393-398,402,404,410-416,420-429	160.6	191.4	166.4	164.8	120.4
Acute myocardial infarction 410	31.3	35.3	32.4	32.4	24.7
Coronary atherosclerosis 414.0	39.4	47.3	39.1	39.7	32.4
Other ischemic heart disease 411-413,414.1-414.9	15.0	20.4	16.3	15.0	8.9
Cardiac dysrhythmias 427	23.4	29.3	24.0	23.0	18.1
Congestive heart failure 428.0	33.0	36.3	36.1	36.5	21.0
Cerebrovascular disease 430-438	36.2	38.8	37.4	39.1	27.9
Diseases of the respiratory system 460-519	122.6	129.5	128.6	132.9	94.0
Acute respiratory infections 460-466	12.0	11.9	12.2	13.4	9.8
Chronic disease of tonsils and adenoids 474	1.0	3.3	*	*0.6	*
Pneumonia 480-486	45.5	42.8	52.8	49.4	34.0
Asthma 493	17.9	24.4	18.6	15.9	14.8
Diseases of the digestive system 520-579	110.1	122.2	111.3	113.7	92.3
Ulcers of the stomach and small intestine 531-534	7.3	6.4	8.6	7.6	6.2
Appendicitis 540-543	8.9	8.0	8.5	7.9	11.6
Inguinal hernia 550	2.2	4.3	1.6	1.7	*1.5
Noninfectious enteritis and colitis 555-558	10.5	11.7	11.2	11.9	6.3
Cholelithiasis 574	14.6	19.0	13.5	14.2	12.7
Diseases of the genitourinary system 580-629	63.4	64.8	61.8	72.1	49.8
Calculus of kidney and ureter 592	6.7	6.7	6.9	7.8	4.5
Hyperplasia of prostate 600	4.0	4.5	5.0	3.4	3.4
Complications of pregnancy, childbirth, and the puerperium ¹ 630-677	20.3	22.8	18.7	22.3	16.5
Abortions and ectopic and molar pregnancies 630-639	4.1	6.0	2.8	4.7	2.8
Diseases of the skin and subcutaneous tissue 680-709	17.1	20.8	18.6	15.7	14.4
Cellulitis and abscess 681-682	12.3	15.0	13.7	11.0	10.4
Diseases of the musculoskeletal system and connective tissue 710-739	57.0	58.3	57.6	60.7	49.6
Arthropathies and related disorders 710-719	21.3	22.1	23.8	20.7	19.0
Intervertebral disc disorders 722	12.9	12.1	11.5	15.6	10.7
Congenital anomalies 740-759	6.3	12.4	4.6	4.2	6.2
Certain conditions originating in the perinatal period 760-779	5.8	5.0	5.9	4.5	8.4
Symptoms, signs, and ill-defined conditions 780-799	11.4	13.5	8.5	14.5	7.9
Injury and poisoning 800-999	96.6	106.8	92.2	98.0	89.9
Fractures, all sites 800-829	38.3	40.6	38.9	38.8	34.9
Fracture of neck of femur 820	13.2	12.4	14.8	13.8	11.4
Intracranial injuries (excluding those with skull fracture) 850-854	5.3	6.5	4.9	4.7	5.8
Open wounds 870-897	4.7	4.3	3.4	5.2	5.6
Supplementary classifications V01-V82	160.8	143.6	152.3	157.8	190.1
Females with deliveries V27	145.1	121.1	126.7	149.8	178.3

* Figure does not meet standard of reliability or precision.

¹First-listed diagnosis for females with deliveries is coded V27, shown under "Supplementary classifications."

Table 15. Average length of stay for discharges from short-stay hospitals, by geographic region and first-listed diagnosis: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Diagnostic groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Category of first-listed diagnosis and ICD-9-CM code	United States	North-east	Midwest	South	West
	Average length of stay in days				
All conditions	5.2	6.2	5.0	5.2	4.5
Infectious and parasitic diseases 001-139	7.4	8.9	6.3	7.0	7.4
Septicemia 038	8.5	10.5	7.1	8.4	8.1
Neoplasms 140-239	6.2	7.2	5.9	6.1	5.4
Malignant neoplasms 140-208,230-234	7.0	8.0	6.6	6.9	6.1
Malignant neoplasm of large intestine and rectum 153-154,197.5	9.8	11.4	9.0	10.0	8.2
Malignant neoplasm of trachea, bronchus, and lung 162,176.4,197.0,197.3	7.0	7.0	7.6	7.5	5.9
Malignant neoplasm of breast 174-175,198.81	3.0	3.6	2.4	3.0	2.8
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229,235-239	3.7	4.1	3.7	3.6	3.5
Endocrine, nutritional and metabolic diseases, and immunity disorders 240-279	5.3	6.5	4.9	5.0	5.2
Diabetes mellitus 250	6.3	7.9	5.9	5.5	6.8
Volume depletion 276.5	4.5	5.5	4.0	4.6	3.6
Diseases of the blood and blood-forming organs 280-289	4.9	5.4	4.4	5.1	4.8
Mental disorders 290-319	8.5	10.0	7.5	8.3	7.8
Psychoses 290-299	9.8	12.0	8.4	9.3	8.8
Alcohol dependence syndrome 303	6.9	7.3	7.0	6.7	6.6
Diseases of the nervous system and sense organs 320-389	5.1	5.1	5.6	5.2	4.4
Diseases of the central nervous system 320-349	6.5	6.9	6.4	6.7	5.5
Diseases of the ear and mastoid process 380-389	2.6	2.6	2.8	2.6	2.7
Diseases of the circulatory system 390-459	5.5	6.4	5.2	5.5	4.9
Heart disease 391-392.0,393-398,402,404,410-416,420-429	5.2	6.2	5.0	5.1	4.5
Acute myocardial infarction 410	6.3	7.5	6.0	6.3	4.9
Coronary atherosclerosis 414.0	4.7	5.1	5.1	4.5	3.9
Other ischemic heart disease 411-413,414.1-414.9	3.4	4.4	2.9	3.3	2.7
Cardiac dysrhythmias 427	3.9	4.7	3.5	4.0	3.4
Congestive heart failure 428.0	6.0	7.3	5.6	5.6	5.9
Cerebrovascular disease 430-438	6.7	7.8	5.4	6.7	7.2
Diseases of the respiratory system 460-519	5.9	6.6	5.7	6.0	5.2
Acute respiratory infections 460-466	3.3	4.2	3.1	3.1	3.2
Chronic disease of tonsils and adenoids 474	1.6	1.4	*	*1.4	*
Pneumonia 480-486	6.5	7.7	5.9	6.7	5.5
Asthma 493	3.6	3.9	2.8	4.1	3.4
Diseases of the digestive system 520-579	5.1	5.9	4.9	5.0	4.4
Ulcers of the stomach and small intestine 531-534	6.0	8.0	5.1	5.5	6.8
Appendicitis 540-543	3.5	3.8	3.4	3.8	3.3
Inguinal hernia 550	2.7	2.5	3.0	2.9	*2.3
Noninfectious enteritis and colitis 555-558	5.1	6.7	5.4	4.0	5.4
Cholelithiasis 574	4.0	4.0	3.6	4.7	3.3
Diseases of the genitourinary system 580-629	4.1	4.7	3.8	4.2	3.6
Calculus of kidney and ureter 592	2.3	2.4	2.2	2.4	2.1
Hyperplasia of prostate 600	3.5	3.9	3.7	3.8	2.4
Complications of pregnancy, childbirth, and the puerperium ¹ 630-677	2.5	2.6	2.3	2.5	2.6
Abortions and ectopic and molar pregnancies 630-639	1.8	1.7	1.8	1.9	1.7
Diseases of the skin and subcutaneous tissue 680-709	6.3	7.1	5.5	6.7	5.8
Cellulitis and abscess 681-682	5.6	6.4	5.1	6.1	4.6
Diseases of the musculoskeletal system and connective tissue 710-739	4.8	5.3	4.3	4.7	4.9
Arthropathies and related disorders 710-719	5.0	4.9	4.5	5.4	5.0
Intervertebral disc disorders 722	3.1	3.8	2.8	2.9	3.0
Congenital anomalies 740-759	6.5	6.8	6.7	7.7	4.7
Certain conditions originating in the perinatal period 760-779	10.1	9.2	9.9	11.6	9.5
Symptoms, signs, and ill-defined conditions 780-799	3.3	2.9	2.0	3.7	4.1
Injury and poisoning 800-999	5.4	6.1	4.9	5.7	4.9
Fractures, all sites 800-829	5.9	6.8	5.3	6.3	4.9
Fracture of neck of femur 820	7.4	9.9	6.3	7.9	5.7
Intracranial injuries (excluding those with skull fracture) 850-854	6.7	6.2	5.2	7.4	7.6
Open wounds 870-897	3.3	3.6	3.2	3.6	2.6
Supplementary classifications V01-V82	2.7	3.3	3.4	2.4	2.2
Females with deliveries V27	2.2	2.6	2.2	2.2	1.9

* Figure does not meet standard of reliability or precision.

¹First-listed diagnosis for females with deliveries is coded V27, shown under "Supplementary classifications."

Table 16. Number of all-listed diagnoses for discharges from short-stay hospitals, by age and diagnosis: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Diagnostic groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Category of first-listed diagnosis and ICD-9-CM code	All ages	Under 15 years	15-44 years	45-64 years	65 years and over
	Number in thousands				
All conditions	121,712	5,841	32,792	25,464	57,615
Infectious and parasitic diseases 001-139	3,527	480	978	657	1,413
Septicemia 038	661	45	97	125	394
Neoplasms 140-239	4,488	107	694	1,382	2,305
Malignant neoplasms 140-208,230-234	3,502	87	343	1,066	2,007
Malignant neoplasm of large intestine and rectum 153-154,197.5	250	*	12	63	174
Malignant neoplasm of trachea, bronchus, and lung 162,176.4,197.0,197.3	506	*7	32	167	301
Malignant neoplasm of breast 174-175,198.81	184	*	22	74	88
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229,235-239	986	20	350	317	299
Endocrine, nutritional and metabolic diseases, and immunity disorders 240-279	12,023	492	1,705	3,204	6,623
Diabetes mellitus 250	4,157	32	459	1,276	2,390
Volume depletion 276.5	1,791	287	311	244	950
Diseases of the blood and blood-forming organs 280-289	3,921	179	954	815	1,972
Mental disorders 290-319	7,351	227	3,484	1,627	2,014
Psychoses 290-299	2,612	52	963	451	1,146
Alcohol dependence syndrome 303	772	*	426	251	93
Diseases of the nervous system and sense organs 320-389	3,456	416	572	634	1,834
Diseases of the central nervous system 320-349	1,948	130	361	349	1,107
Diseases of the ear and mastoid process 380-389	421	223	49	42	107
Diseases of the circulatory system 390-459	26,992	116	1,561	6,391	18,923
Heart disease 391-392.0,393-398,402,404,410-416,420-429	17,049	75	774	3,875	12,325
Acute myocardial infarction 410	919	*	44	302	572
Coronary atherosclerosis 414.0	3,862	*	107	1,046	2,705
Other ischemic heart disease 411-413,414.1-414.9	2,561	*	120	786	1,652
Cardiac dysrhythmias 427	3,383	24	157	592	2,609
Congestive heart failure 428.0	2,844	14	78	444	2,308
Cerebrovascular disease 430-438	1,881	*7	73	343	1,457
Diseases of the respiratory system 460-519	9,368	1,098	1,314	1,893	5,063
Acute respiratory infections 460-466	735	313	145	102	175
Chronic disease of tonsils and adenoids 474	43	31	11	*	-
Pneumonia 480-486	1,914	261	250	301	1,101
Asthma 493	1,183	298	359	246	281
Diseases of the digestive system 520-579	8,156	435	1,733	2,096	3,892
Ulcers of the stomach and small intestine 531-534	507	*	67	143	292
Appendicitis 540-543	268	66	145	38	20
Inguinal hernia 550	106	16	15	18	57
Noninfectious enteritis and colitis 555-558	598	128	159	109	202
Cholelithiasis 574	695	*	182	205	304
Diseases of the genitourinary system 580-629	6,812	155	1,997	1,589	3,071
Calculus of kidney and ureter 592	251	*	108	85	55
Hyperplasia of prostate 600	351	-	*	63	285
Complications of pregnancy, childbirth, and the puerperium ¹ 630-677	8,265	24	8,234	*7	...
Abortions and ectopic and molar pregnancies 630-639	123	*	123	*	...
Diseases of the skin and subcutaneous tissue 680-709	1,531	125	330	360	716
Cellulitis and abscess 681-682	670	42	173	180	275
Diseases of the musculoskeletal system and connective tissue 710-739	4,541	64	774	1,071	2,633
Arthropathies and related disorders 710-719	2,001	20	226	401	1,354
Intervertebral disc disorders 722	473	*	189	174	110
Congenital anomalies 740-759	577	333	111	71	62
Certain conditions originating in the perinatal period 760-779	416	412	*	*	*
Symptoms, signs, and ill-defined conditions 780-799	5,998	512	1,373	1,487	2,626
Injury and poisoning 800-999	5,919	436	2,027	1,189	2,267
Fractures, all sites 800-829	1,566	100	484	253	728
Fracture of neck of femur 820	390	*	12	26	348
Intracranial injuries (excluding those with skull fracture) 850-854	205	26	83	28	67
Open wounds 870-897	490	46	258	80	106
Supplementary classifications V01-V82	8,372	232	4,949	990	2,202
Females with deliveries V27	3,831	10	3,818	*	...

* Figure does not meet standard of reliability or precision.

- Quantity zero.

... Category not applicable.

¹First-listed diagnosis for females with deliveries is coded V27, shown under "Supplementary classifications."

Table 17. Number of all-listed diagnoses for discharges from short-stay hospitals, by sex and diagnosis: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Diagnostic groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Category of first-listed diagnosis and ICD-9-CM code	Both sexes	Male	Female
All conditions	121,712	49,343	72,369
Infectious and parasitic diseases 001-139	3,527	1,586	1,942
Septicemia 038	661	320	342
Neoplasms 140-239	4,488	1,876	2,612
Malignant neoplasms 140-208,230-234	3,502	1,666	1,836
Malignant neoplasm of large intestine and rectum 153-154,197.5	250	113	137
Malignant neoplasm of trachea, bronchus, and lung 162,176.4,197.0,197.3	506	273	234
Malignant neoplasm of breast 174-175,198.81	184	*	183
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229,235-239	986	210	776
Endocrine, nutritional and metabolic diseases, and immunity disorders 240-279	12,023	4,980	7,043
Diabetes mellitus 250	4,157	1,875	2,282
Volume depletion 276.5	1,791	713	1,078
Diseases of the blood and blood-forming organs 280-289	3,921	1,536	2,385
Mental disorders 290-319	7,351	3,685	3,665
Psychoses 290-299	2,612	1,165	1,447
Alcohol dependence syndrome 303	772	581	191
Diseases of the nervous system and sense organs 320-389	3,456	1,567	1,889
Diseases of the central nervous system 320-349	1,948	868	1,080
Diseases of the ear and mastoid process 380-389	421	219	202
Diseases of the circulatory system 390-459	26,992	13,151	13,841
Heart disease 391-392.0,393-398,402,404,410-416,420-429	17,049	8,644	8,405
Acute myocardial infarction 410	919	548	371
Coronary atherosclerosis 414.0	3,862	2,166	1,696
Other ischemic heart disease 411-413,414.1-414.9	2,561	1,442	1,120
Cardiac dysrhythmias 427	3,383	1,696	1,687
Congestive heart failure 428.0	2,844	1,241	1,603
Cerebrovascular disease 430-438	1,881	861	1,020
Diseases of the respiratory system 460-519	9,368	4,535	4,833
Acute respiratory infections 460-466	735	357	378
Chronic disease of tonsils and adenoids 474	43	22	21
Pneumonia 480-486	1,914	957	957
Asthma 493	1,183	432	751
Diseases of the digestive system 520-579	8,156	3,538	4,618
Ulcers of the stomach and small intestine 531-534	507	250	256
Appendicitis 540-543	268	153	115
Inguinal hernia 550	106	89	18
Noninfectious enteritis and colitis 555-558	598	236	361
Cholelithiasis 574	695	221	474
Diseases of the genitourinary system 580-629	6,812	2,285	4,527
Calculus of kidney and ureter 592	251	144	106
Hyperplasia of prostate 600	351	351	...
Complications of pregnancy, childbirth, and the puerperium ¹ 630-677	8,265	...	8,265
Abortions and ectopic and molar pregnancies 630-639	123	...	123
Diseases of the skin and subcutaneous tissue 680-709	1,531	747	784
Cellulitis and abscess 681-682	670	349	321
Diseases of the musculoskeletal system and connective tissue 710-739	4,541	1,617	2,924
Arthropathies and related disorders 710-719	2,001	653	1,347
Intervertebral disc disorders 722	473	244	229
Congenital anomalies 740-759	577	294	283
Certain conditions originating in the perinatal period 760-779	416	247	169
Symptoms, signs, and ill-defined conditions 780-799	5,998	2,694	3,303
Injury and poisoning 800-999	5,919	3,095	2,824
Fractures, all sites 800-829	1,566	727	839
Fracture of neck of femur 820	390	92	298
Intracranial injuries (excluding those with skull fracture) 850-854	205	127	78
Open wounds 870-897	490	337	153
Supplementary classifications V01-V82	8,372	1,910	6,462
Females with deliveries V27	3,831	...	3,831

* Figure does not meet standard of reliability or precision.

... Category not applicable.

¹First-listed diagnosis for females with deliveries is coded V27, shown under "Supplementary classifications."

Table 18. Number of all-listed diagnoses for discharges from short-stay hospitals, by geographic region and diagnosis: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Diagnostic groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Category of first-listed diagnosis and ICD-9-CM code	United States	North-east	Midwest	South	West
	Number in thousands				
All conditions	121,712	26,396	29,990	42,679	22,647
Infectious and parasitic diseases 001-139	3,527	798	804	1,248	678
Septicemia 038	661	148	141	247	126
Neoplasms 140-239	4,488	1,128	1,022	1,487	851
Malignant neoplasms 140-208,230-234	3,502	908	815	1,132	646
Malignant neoplasm of large intestine and rectum 153-154,197.5	250	63	65	85	37
Malignant neoplasm of trachea, bronchus, and lung 162,176.4,197.0,197.3	506	131	118	167	91
Malignant neoplasm of breast 174-175,198.81	184	45	41	64	35
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229,235-239	986	220	206	355	205
Endocrine, nutritional and metabolic diseases, and immunity disorders 240-279	12,023	2,522	3,179	4,244	2,078
Diabetes mellitus 250	4,157	905	1,009	1,532	710
Volume depletion 276.5	1,791	352	465	696	278
Diseases of the blood and blood-forming organs 280-289	3,921	839	915	1,417	750
Mental disorders 290-319	7,351	1,834	2,004	2,387	1,125
Psychoses 290-299	2,612	643	704	893	372
Alcohol dependence syndrome 303	772	189	212	244	127
Diseases of the nervous system and sense organs 320-389	3,456	785	842	1,167	662
Diseases of the central nervous system 320-349	1,948	424	486	676	362
Diseases of the ear and mastoid process 380-389	421	101	112	125	82
Diseases of the circulatory system 390-459	26,992	6,148	6,710	9,677	4,458
Heart disease 391-392.0,393-398,402,404,410-416,420-429	17,049	3,987	4,206	6,068	2,789
Acute myocardial infarction 410	919	212	227	321	159
Coronary atherosclerosis 414.0	3,862	927	975	1,348	612
Other ischemic heart disease 411-413,414.1-414.9	2,561	658	631	875	398
Cardiac dysrhythmias 427	3,383	792	819	1,181	591
Congestive heart failure 428.0	2,844	597	764	1,073	410
Cerebrovascular disease 430-438	1,881	390	474	705	311
Diseases of the respiratory system 460-519	9,368	1,999	2,331	3,475	1,562
Acute respiratory infections 460-466	735	149	183	278	124
Chronic disease of tonsils and adenoids 474	43	23	*	10	*7
Pneumonia 480-486	1,914	383	485	717	329
Asthma 493	1,183	317	307	354	206
Diseases of the digestive system 520-579	8,156	1,758	1,950	2,968	1,480
Ulcers of the stomach and small intestine 531-534	507	106	134	175	92
Appendicitis 540-543	268	47	60	84	77
Inguinal hernia 550	106	34	22	34	16
Noninfectious enteritis and colitis 555-558	598	132	150	225	91
Cholelithiasis 574	695	161	156	245	134
Diseases of the genitourinary system 580-629	6,812	1,383	1,602	2,632	1,194
Calculus of kidney and ureter 592	251	54	60	98	39
Hyperplasia of prostate 600	351	83	100	110	58
Complications of pregnancy, childbirth, and the puerperium ¹ 630-677	8,265	1,457	1,722	2,877	2,209
Abortions and ectopic and molar pregnancies 630-639	123	34	20	52	18
Diseases of the skin and subcutaneous tissue 680-709	1,531	363	391	503	274
Cellulitis and abscess 681-682	670	153	168	217	131
Diseases of the musculoskeletal system and connective tissue 710-739	4,541	924	1,186	1,590	841
Arthropathies and related disorders 710-719	2,001	406	559	685	351
Intervertebral disc disorders 722	473	89	108	194	82
Congenital anomalies 740-759	577	195	126	141	114
Certain conditions originating in the perinatal period 760-779	416	75	109	109	123
Symptoms, signs, and ill-defined conditions 780-799	5,998	1,288	1,552	2,077	1,080
Injury and poisoning 800-999	5,919	1,280	1,402	1,994	1,243
Fractures, all sites 800-829	1,566	324	378	532	331
Fracture of neck of femur 820	390	74	102	140	74
Intracranial injuries (excluding those with skull fracture) 850-854	205	47	46	61	50
Open wounds 870-897	490	96	115	166	113
Supplementary classifications V01-V82	8,372	1,619	2,143	2,686	1,924
Females with deliveries V27	3,831	624	785	1,385	1,036

* Figure does not meet standard of reliability or precision.

¹First-listed diagnosis for females with deliveries is coded V27, shown under "Supplementary classifications."

Table 19. Number and rate of discharges from short-stay hospitals with human immunodeficiency virus diagnoses, by selected characteristics: United States, 1990–96[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Data are for discharges with at least one of the following *International Classification of Diseases, 9th Revision, Clinical Modification* (ICD–9–CM) codes: 042–044, 279.19, 795.8 (prior to 1995); 042, V08 (beginning in 1995)]

Characteristic	1990	1991	1992	1993	1994	1995	1996
	Number in thousands						
All HIV discharges ¹	146	165	194	225	234	249	227
Sex							
Male	114	127	153	174	177	183	165
Female	32	37	41	51	57	66	62
Age							
Under 25 years	14	16	16	14	18	17	12
25–29 years	20	25	26	37	20	26	18
30–34 years	38	38	42	46	50	48	44
35–39 years	36	36	53	51	56	59	52
40–44 years	17	25	30	40	44	49	49
45 years and over	21	25	27	37	45	51	53
Region							
Northeast	66	61	75	94	91	95	86
Midwest	20	26	23	28	33	27	25
South	37	44	56	64	78	87	77
West	24	33	40	39	32	41	39
	Rate per 100,000 population						
All HIV discharges ¹	59.1	65.7	76.4	87.7	90.2	95.4	86.0
Sex							
Male	95.3	104.6	124.1	139.5	140.4	144.3	128.0
Female	25.0	29.1	31.4	38.8	42.9	49.1	46.0
Age							
Under 25 years	15.3	17.1	18.0	15.5	19.8	18.2	13.0
25–29 years	98.1	122.3	133.3	191.7	107.5	136.8	94.5
30–34 years	175.9	173.7	189.6	208.3	227.2	220.3	207.3
35–39 years	181.6	178.7	253.1	238.1	257.3	266.1	230.7
40–44 years	95.9	132.4	158.0	209.4	225.2	243.8	235.4
45 years and over	27.2	32.0	33.0	44.6	53.6	59.8	60.3
Region							
Northeast	129.9	120.7	147.8	184.2	177.9	184.9	166.3
Midwest	33.8	43.7	37.4	45.1	53.1	43.8	40.7
South	43.1	50.6	63.6	72.0	86.9	95.0	83.6
West	45.3	62.3	73.3	70.5	56.1	71.2	66.7

¹HIV is human immunodeficiency virus.

Table 20. Number of deaths and fatality rate for discharges from short-stay hospitals, by age and selected first-listed diagnoses: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Diagnostic groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

First-listed diagnosis and ICD-9-CM code	All ages	Under 65 years	65 years and over	All ages	Under 65 years	65 years and over
	Number in thousands			Rate per 100 discharges		
All deaths ¹	815	215	600	2.7	1.1	5.1
Heart disease 391-392.0, 393-398, 402, 404, 410-416, 420-429	182	32	150	4.3	2.1	5.5
Acute myocardial infarction 410	88	15	74	10.7	4.5	14.7
Cardiac dysrhythmias 427	20	*	16	3.3	*	3.6
Congestive heart failure 428.0	43	*6	37	5.0	*3.3	5.4
Malignant neoplasms 140-208, 230-234	110	41	69	8.0	6.5	9.2
Malignant neoplasms of trachea, bronchus, and lung 162, 176.4, 197.0, 197.3	31	12	19	14.6	13.1	15.6
Malignant neoplasms of lymphatic and hematopoietic tissue 176.5, 196, 200-208	21	*8	13	13.5	*9.3	18.6
Pneumonia 480-486	66	11	55	5.5	2.2	7.9
Cerebrovascular disease 430-438	62	11	51	6.5	4.9	7.0
injury and poisoning 800-999	47	16	31	1.8	1.0	3.2
Septicemia 038	47	9	38	13.3	7.8	16.0
Respiratory failure 518.81	43	13	29	25.9	20.4	29.6

* Figure does not meet standard of reliability or precision.

¹Includes data for deaths not shown in table.**Table 21. Number of discharges from short-stay hospitals with and without procedures and percent with procedures, by selected characteristics: United States, 1996**

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

Characteristic	All discharges	Discharges without procedures	Discharges with procedures			
			Total	With surgical procedures	Total	With surgical procedures
	Number in thousands			Percent		
All patients	30,545	11,251	19,294	14,054	63.2	46.0
Age						
Under 15 years	2,207	1,183	1,024	546	46.4	24.7
15-44 years	10,325	2,855	7,471	5,852	72.4	56.7
45-64 years	6,294	2,149	4,145	3,057	65.9	48.6
65 years and over	11,718	5,064	6,655	4,599	56.8	39.2
65-74 years	4,804	1,776	3,028	2,203	63.0	45.9
75-84 years	4,724	2,102	2,623	1,782	55.5	37.7
85 years and over	2,190	1,186	1,004	614	45.8	28.0
Sex						
Male	12,110	4,777	7,333	5,047	60.6	41.7
Female	18,435	6,474	11,961	9,006	64.9	48.9
Region						
Northeast	6,665	2,146	4,520	3,011	67.8	45.2
Midwest	7,107	3,017	4,090	3,107	57.5	43.7
South	11,085	4,530	6,556	4,992	59.1	45.0
West	5,688	1,559	4,129	2,944	72.6	51.8

NOTE: See appendix for definition of surgical procedures.

Table 22. Number and rate of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by selected procedure categories: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Procedure groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Procedure category and ICD-9-CM code	Number in thousands	Rate per 100,000 population
Surgical procedures ¹	22,980	8,704.7
Episiotomy with or without forceps or vacuum extraction 72.1,72.21,72.31,72.71,73.6	1,294	490.3
Cardiac catheterization 37.21-37.23	1,161	439.7
Repair of current obstetric laceration 75.5-75.6	1,061	401.9
Cesarean section 74.0-74.2,74.4,74.99	835	316.3
Artificial rupture of membranes 73.0	729	276.3
Removal of coronary artery obstruction ² 36.0	666	252.4
Coronary artery bypass graft ² 36.1	598	226.6
Hysterectomy 68.3-68.7,68.9	591	223.8
Oophorectomy and salpingo-oophorectomy 65.3-65.6	475	180.0
Endoscopy of small intestine with biopsy 45.14,45.16	458	173.5
Cholecystectomy 51.2	448	169.8
Open reduction of fracture, with internal fixation 79.3	432	163.5
Bilateral destruction or occlusion of fallopian tubes 66.2-66.3	342	129.7
Insertion, replacement, removal, and revision of pacemaker leads or device 37.7-37.8	341	129.3
Debridement of wound, infection, or burn 86.22,86.28	340	129.0
Lysis of peritoneal adhesions 54.5	338	128.2
Excision or destruction of intervertebral disc 80.5	288	109.0
Appendectomy, excluding incidental 47.0	263	99.4
Nonsurgical procedures ³	17,417	6,597.3
Arteriography and angiocardiography using contrast material 88.4-88.5	1,964	744.0
Diagnostic ultrasound 88.7	1,177	445.7
Respiratory therapy 93.9,96.7	1,085	411.2
Manual assisted delivery 73.5	1,031	390.5
Computerized axial tomography 87.03,87.41,87.71,88.01,88.38	995	377.0
Hemodialysis 39.95	413	156.6
Medical induction of labor 73.4	389	147.5
Endoscopy of small intestine without biopsy 45.11-45.13	383	145.3
Circulatory monitoring 89.6	337	127.8
Endoscopy of large intestine without biopsy 45.21-45.24	323	122.3
Spinal tap 03.31	310	117.5
Radioisotope scan 92.0-92.1	298	112.9

¹Includes data for surgical conditions not shown in table. All procedures except those listed under "nonsurgical procedures" in the appendix are surgical procedures.²See table 24 for comparison of number of procedures with number of discharges with procedures.³Includes data for nonsurgical procedures not shown in table. The ICD-9-CM codes for nonsurgical procedures are listed in the appendix.

Table 23. Number and rate of all-listed surgical and nonsurgical procedures for patients 65 years of age and over discharged from short-stay hospitals, by age and selected procedure categories: United States, 1996[Discharges of inpatients from non-Federal hospitals. Procedure groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Procedure category and ICD-9-CM code	65 years and over	65-74 years	75-84 years	85 years and over
		Number in thousands		
Surgical procedures ¹	7,628	3,786	2,927	915
Cardiac catheterization 37.21-37.23	561	342	197	23
Coronary artery bypass graft ² 36.1	335	227	104	*
Removal of coronary artery obstruction ² 36.0	322	211	102	10
Insertion, replacement, removal, and repair of pacemaker leads or device 37.7-37.8	283	85	139	60
Endoscopy of small intestine with biopsy 45.14,45.16	263	95	115	53
Open reduction of fracture, with internal fixation 79.3	205	51	81	74
Total knee replacement 81.54	181	99	72	10
Cholecystectomy 51.2	160	81	62	18
Prostatectomy 60.2-60.6	153	85	53	15
Debridement of wound, infection, or burn 86.22,86.28	130	59	46	25
Nonsurgical procedures ³	6,914	3,088	2,733	1,093
Arteriography and angiocardiology using contrast material 88.4-88.5	965	572	346	48
Diagnostic ultrasound 88.7	617	249	255	113
Respiratory therapy 93.9,96.7	489	206	195	87
Computerized axial tomography 87.03,87.41,87.71,88.01,88.38	496	195	204	96
Endoscopy of small intestine without biopsy 45.11-45.13	222	78	97	47
Endoscopy of large intestine without biopsy 45.21-45.24	219	79	93	47
Circulatory monitoring 89.6	195	79	80	36
Hemodialysis 39.95	195	116	67	12
Radioisotope scan 92.0-92.1	159	75	61	23
		Rate per 100,000 population		
Surgical procedures ¹	22,527.5	20,279.6	25,604.0	24,335.3
Cardiac catheterization 37.21-37.23	1,658.0	1,829.8	1,725.6	600.2
Coronary artery bypass graft ² 36.1	989.2	1,214.7	906.1	*
Removal of coronary artery obstruction ² 36.0	950.3	1,127.7	888.9	256.3
Insertion, replacement, removal, and repair of pacemaker leads or device 37.7-37.8	836.4	455.5	1,212.1	1,584.8
Endoscopy of small intestine with biopsy 45.14,45.16	776.3	509.7	1,005.9	1,402.3
Open reduction of fracture, with internal fixation 79.3	605.2	270.9	705.8	1,958.3
Total knee replacement 81.54	535.1	529.2	632.1	269.3
Cholecystectomy 51.2	474.0	432.4	544.8	465.4
Prostatectomy 60.2-60.6	453.3	456.2	462.3	411.6
Debridement of wound, infection, or burn 86.22,86.28	382.8	313.9	405.0	656.9
Nonsurgical procedures ³	20,418.7	16,539.0	23,914.7	29,049.9
Arteriography and angiocardiology using contrast material 88.4-88.5	2,850.2	3,063.5	3,022.8	1,267.8
Diagnostic ultrasound 88.7	1,822.4	1,334.8	2,228.4	3,008.8
Respiratory therapy 93.9,96.7	1,442.8	1,104.1	1,710.3	2,310.8
Computerized axial tomography 87.03,87.41,87.71,88.01,88.38	1,465.3	1,046.8	1,788.3	2,560.9
Endoscopy of small intestine without biopsy 45.11-45.13	656.3	419.4	845.5	1,257.1
Endoscopy of large intestine without biopsy 45.21-45.24	647.9	423.9	811.8	1,261.7
Circulatory monitoring 89.6	577.1	423.2	703.2	957.5
Hemodialysis 39.95	576.0	619.7	590.5	315.4
Radioisotope scan 92.0-92.1	469.1	401.1	535.5	605.3

* Figure does not meet standards of reliability or precision.

¹Includes data for surgical procedures not shown in table. All procedures except those listed under "nonsurgical procedures" in the appendix are surgical procedures.²See table 24 for a comparison of number of procedures with number of discharges with a procedure.³Includes data for nonsurgical procedures not shown in table. The ICD-9-CM codes for nonsurgical procedures are listed in the appendix.

Table 24. Number and rate of discharges from short-stay hospitals with a coronary artery procedure and number and rate of procedures by sex, age, and region: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Procedure groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Sex, age, and region	Removal of coronary artery obstruction and insertion of stents(s) ¹		Coronary artery bypass graft ²	
	Number in thousands	Rate per 100,000 population	Number in thousands	Rate per 100,000 population
		Discharges with procedures		
Total	485	183.5	367	138.9
Sex				
Male	324	251.7	255	198.3
Female	161	118.7	112	82.5
Age				
Under 15 years	*	*	*	*
15-44 years	28	23.9	12	9.8
45-64 years	220	409.7	144	268.8
65 years and over	235	694.5	210	621.6
65-74 years	154	824.5	137	733.5
75-84 years	74	650.0	69	607.7
85 years and over	*7	*184.7	*	*
Region				
Northeast	86	167.1	89	172.6
Midwest	131	211.8	102	164.4
South	164	177.2	113	122.8
West	103	178.1	63	107.5
		Procedures		
Total	666	252.4	598	226.6
Sex				
Male	452	351.2	424	329.1
Female	214	158.4	175	129.2
Age				
Under 15 years	*	*	*	*
15-44 years	37	30.9	20	17.1
45-64 years	307	571.5	242	451.3
65 years and over	322	950.3	335	989.2
65-74 years	211	1,127.7	227	1,214.7
75-84 years	102	888.9	104	906.1
85 years and over	10	256.3	*	*
Region				
Northeast	118	229.2	150	291.6
Midwest	183	295.5	164	264.5
South	231	249.6	183	198.2
West	135	231.5	101	173.8

* Figure does not meet standard of reliability or precision.

¹ICD-9-CM code 36.0.²ICD-9-CM code 36.1.

Table 25. Number of all-listed procedures for discharges from short-stay hospitals, by age and procedure category: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Procedures groupings and code numbers are based on the *International Classification of Disease, 9th Revision, Clinical Modification (ICD-9-CM)*]

Procedure category and ICD-9-CM code	All ages	Under 15 years	15-44 years	45-64 years	65 years and over
All procedures	40,397	1,950	14,603	9,302	14,542
Operations on the nervous system 01-05	937	199	317	196	225
Spinal tap 03.31	310	137	80	39	54
Operations on the endocrine system 06-07	101	*	33	37	28
Operations on the eye 08-16	188	10	35	44	99
Operations on the ear 18-20	58	35	13	*	*6
Operations on the nose, mouth, and pharynx 21-29	323	69	121	72	61
Tonsillectomy with or without adenoidectomy 28.2-28.3	36	24	9	*	*
Operations on the respiratory system 30-34	1,038	57	172	298	511
Bronchoscopy with or without biopsy 33.21-33.24,33.27	305	18	42	90	155
Operations on the cardiovascular system 35-39	5,444	164	544	1,882	2,853
Removal of coronary artery obstruction and insertion of stent(s) ¹ 36.0	666	*	37	307	322
Coronary artery bypass graft ¹ 36.1	598	*	20	242	335
Cardiac catheterization 37.21-37.23	1,161	14	90	496	561
Insertion, replacement, removal, and revision of pacemaker leads or device 37.7-37.8	341	*	9	46	283
Shunt or vascular bypass 39.0-39.2	193	*	17	56	116
Hemodialysis 39.95	413	*	73	143	195
Operations on the hemic and lymphatic system 40-41	348	19	62	115	152
Operations on the digestive system 42-54	4,976	218	1,206	1,247	2,305
Endoscopy of small intestine with or without biopsy 45.11-45.14,45.16	841	12	133	211	485
Endoscopy of large intestine with or without biopsy 45.21-45.25	490	*	63	109	313
Partial excision of large intestine 45.7	226	*	28	57	138
Appendectomy, excluding incidental 47.0	263	64	144	36	18
Cholecystectomy 51.2	448	*	136	147	160
Repair of inguinal hernia 53.0-53.1	77	12	11	14	40
Lysis of peritoneal adhesions 54.5	338	*	149	84	101
Operations on the urinary system 55-59	1,016	34	245	298	439
Cystoscopy with or without biopsy 57.31-57.33	208	*5	35	49	118
Operations on the male genital organs 60-64	302	29	15	66	192
Prostatectomy 60.2-60.6	203	-	*	48	153
Operations on the female genital organs 65-71	2,096	9	1,272	575	240
Oophorectomy and salpingo-oophorectomy 65.3-65.6	475	*	211	206	56
Bilateral destruction or occlusion of fallopian tubes 66.2-66.3	342	-	341	*	-
Hysterectomy 68.3-68.7,68.9	591	*	309	217	64
Dilation and curettage of uterus 69.0	83	*	66	12	*
Repair of cystocele and rectocele 70.5	151	-	35	62	54
Obstetrical procedures 72-75	6,540	18	6,519	*	...
Episiotomy with or without forceps or vacuum extraction 72.1,72.21,72.31,72.71,73.6	1,294	*	1,290	*	...
Artificial rupture of membranes 73.0	729	*	727	*	...
Cesarean section 74.0-74.2,74.4,74.99	835	*	832	*	...
Repair of current obstetric laceration 75.5-75.6	1,061	*	1,059	*	...
Operations on the musculoskeletal system 76-84	3,134	165	960	841	1,168
Partial excision of bone 76.2-76.3,77.6-77.8	231	11	86	84	50
Open reduction of fracture with internal fixation 79.3	432	17	128	82	205
Excision or destruction of intervertebral disc 80.5	288	*	134	117	36
Total hip replacement 81.51	138	-	*8	35	95
Total knee replacement 81.54	245	-	*	59	181
Operations on the integumentary system 85-86	1,290	78	402	360	450
Mastectomy 85.4	89	*	10	36	42
Debridement of wound, infection, or burn 86.22,86.28	340	17	98	96	130
Skin graft 86.6-86.7	93	*8	31	23	30
Miscellaneous diagnostic and therapeutic procedures 87-99	12,604	841	2,687	3,263	5,813
Computerized axial tomography 87.03,87.41,87.71,88.01,88.38	995	46	225	228	496
Pyelogram 87.73-87.75	154	*	52	49	49
Arteriography and angiocardiology using contrast material 88.4-88.5	1,964	16	171	812	965
Diagnostic ultrasound 88.7	1,177	43	252	264	617
Circulatory monitoring 89.6	337	12	49	81	195
Radioisotope scan 92.0-92.1	298	*6	47	87	159
Respiratory therapy 93.9,96.7	1,085	221	152	224	489

* Figure does not meet standard of reliability or precision.

- Quantity zero.

... Category not applicable.

¹See table 24 for comparison of number of procedures with number of discharges with procedures.

Table 26. Rate of all-listed procedures for discharges from short-stay hospitals, by age and procedure category: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Procedure groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Procedure category and ICD-9-CM code	All ages	Under 15 years	15-44 years	45-64 years	65 years and over	
						Rate per 100,000 population
All procedures	15,302.0	3,379.2	12,299.0	17,323.8	42,946.2	
Operations on the nervous system	01-05	355.0	345.2	267.0	365.8	663.4
Spinal tap	03.31	117.5	237.3	67.3	73.5	159.1
Operations on the endocrine system	06-07	38.1	*	27.8	68.5	83.1
Operations on the eye	08-16	71.3	18.1	29.8	81.6	291.1
Operations on the ear	18-20	22.0	60.4	10.8	*	*19.1
Operations on the nose, mouth, and pharynx	21-29	122.5	119.7	102.2	133.3	181.4
Tonsillectomy with or without adenoidectomy	28.2-28.3	13.5	41.3	7.8	*	*
Operations on the respiratory system	30-34	393.4	99.0	145.1	554.2	1,510.6
Bronchoscopy with or without biopsy	33.21-33.24,33.27	115.6	31.7	35.8	166.7	457.4
Operations on the cardiovascular system	35-39	2,062.0	284.8	457.8	3,505.9	8,426.4
Removal of coronary artery obstruction and insertion of stent(s) ¹	36.0	252.4	*	30.9	571.5	950.3
Coronary artery bypass graft ¹	36.1	226.6	*	17.1	451.3	989.2
Cardiac catheterization	37.21-37.23	439.7	23.7	75.8	923.1	1,658.0
Insertion, replacement, removal, and revision of pacemaker leads or device	37.7-37.8	129.3	*	8.0	84.8	836.4
Shunt or vascular bypass	39.0-39.2	73.0	*	14.6	103.4	342.2
Hemodialysis	39.95	156.6	*	61.2	266.9	576.0
Operations on the hemic and lymphatic system	40-41	131.7	32.6	52.2	214.8	447.9
Operations on the digestive system	42-54	1,885.0	378.2	1,015.9	2,322.8	6,806.5
Endoscopy of small intestine with or without biopsy	45.11-45.14,45.16	318.7	20.7	112.1	393.4	1,432.6
Endoscopy of large intestine with or without biopsy	45.21-45.25	185.7	*	53.1	203.6	924.3
Partial excision of large intestine	45.7	85.6	*	23.6	107.1	407.6
Appendectomy, excluding incidental	47.0	99.4	111.1	121.6	67.1	53.3
Cholecystectomy	51.2	169.8	*	114.7	273.8	474.0
Repair of inguinal hernia	53.0-53.1	29.3	20.5	9.4	26.9	117.6
Lysis of peritoneal adhesions	54.5	128.2	*	125.3	157.3	298.4
Operations on the urinary system	55-59	385.0	59.8	206.4	555.5	1,295.4
Cystoscopy with or without biopsy	57.31-57.33	78.7	*9.1	29.3	91.8	349.6
Operations on the male genital organs	60-64	114.3	50.6	12.4	123.2	565.9
Prostatectomy	60.2-60.6	76.7	-	*	89.9	453.3
Operations on the female genital organs	65-71	793.9	15.7	1,071.6	1,070.6	707.5
Oophorectomy and salpingo-oophorectomy	65.3-65.6	180.0	*	178.1	384.4	165.5
Bilateral destruction or occlusion of fallopian tubes	66.2-66.3	129.7	-	287.5	*	-
Hysterectomy	68.3-68.7,68.9	223.8	*	260.4	404.9	187.7
Dilation and curettage of uterus	69.0	31.4	*	55.4	22.5	*
Repair of cystocele and rectocele	70.5	57.2	-	29.1	115.5	160.8
Obstetrical procedures	72-75	2,477.4	31.3	5,490.3	*	...
Episiotomy with or without forceps or vacuum extraction	72.1,72.21,72.31,72.71,73.6	490.3	*	1,086.1	*	...
Artificial rupture of membranes	73.0	276.3	*	612.0	*	...
Cesarean section	74.0-74.2,74.4,74.99	316.3	*	701.1	*	...
Repair of current obstetric laceration	75.5-75.6	401.9	*	891.6	*	...
Operations on the musculoskeletal system	76-84	1,187.2	286.2	808.7	1,565.6	3,450.0
Partial excision of bone	76.2-76.3,77.6-77.8	87.5	19.5	72.6	156.5	146.4
Open reduction of fracture with internal fixation	79.3	163.5	29.1	107.8	152.4	605.2
Excision or destruction of intervertebral disc	80.5	109.0	*	112.8	218.2	105.4
Total hip replacement	81.51	52.2	-	*6.9	64.7	279.9
Total knee replacement	81.54	92.9	-	*	110.7	535.1
Operations on the integumentary system	85-86	488.7	135.5	338.2	670.9	1,329.5
Mastectomy	85.4	33.6	*	8.6	67.3	124.8
Debridement of wound, infection, or burn	86.22,86.28	129.0	30.3	82.2	178.3	382.8
Skin graft	86.6-86.7	35.1	*13.9	26.1	43.7	89.5
Miscellaneous diagnostic and therapeutic procedures	87-99	4,774.5	1,457.5	2,262.8	6,077.6	17,168.5
Computerized axial tomography	87.03,87.41,87.71,88.01,88.38	377.0	79.9	189.4	424.6	1,465.3
Pyelogram	87.73-87.75	58.3	*	43.6	91.5	144.0
Arteriography and angiocardiology using contrast material	88.4-88.5	744.0	27.8	143.9	1,512.8	2,850.2
Diagnostic ultrasound	88.7	445.7	75.2	212.4	491.4	1,822.4
Circulatory monitoring	89.6	127.8	20.8	41.2	151.1	577.1
Radioisotope scan	92.0-92.1	112.9	*9.9	39.5	161.5	469.1
Respiratory therapy	93.9,96.7	411.2	383.4	127.6	417.4	1,442.8

* Figure does not meet standard of reliability or precision.

- Quantity zero.

... Category not applicable.

¹See table 24 for comparison of number of procedures with number of discharges with procedures.

Table 27. Number of all-listed procedures for discharges from short-stay hospitals, by sex and procedure category: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Procedure groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Procedure category and ICD-9-CM code	Both sexes	Male	Female
All procedures	40,397	15,997	24,400
Operations on the nervous system	937	431	506
Spinal tap	310	157	153
Operations on the endocrine system	101	29	71
Operations on the eye	188	94	95
Operations on the ear	58	35	23
Operations on the nose, mouth, and pharynx	323	189	135
Tonsillectomy with or without adenoidectomy	36	19	17
Operations on the respiratory system	1,038	582	456
Bronchoscopy with or without biopsy	305	178	127
Operations on the cardiovascular system	5,444	3,231	2,213
Removal of coronary artery obstruction and insertion of stent(s) ¹	666	452	214
Coronary artery bypass graft ¹	598	424	175
Cardiac catheterization	1,161	704	457
Insertion, replacement, removal, and revision of pacemaker leads or device	341	171	170
Shunt or vascular bypass	193	108	85
Hemodialysis	413	205	209
Operations on the hemic and lymphatic system	348	169	179
Operations on the digestive system	4,976	2,152	2,824
Endoscopy of small intestine with or without biopsy	841	396	445
Endoscopy of large intestine with or without biopsy	490	200	290
Partial excision of large intestine	226	101	125
Appendectomy, excluding incidental	263	146	117
Cholecystectomy	448	142	306
Repair of inguinal hernia	77	63	14
Lysis of peritoneal adhesions	338	69	269
Operations on the urinary system	1,016	510	506
Cystoscopy with or without biopsy	208	130	78
Operations on the male genital organs	302	302	...
Prostatectomy	203	203	...
Operations on the female genital organs	2,096	...	2,096
Oophorectomy and salpingo-oophorectomy	475	...	475
Bilateral destruction or occlusion of fallopian tubes	342	...	342
Hysterectomy	591	...	591
Dilation and curettage of uterus	83	...	83
Repair of cystocele and rectocele	151	...	151
Obstetrical procedures	6,540	...	6,540
Episiotomy with or without forceps or vacuum extraction	1,294	...	1,294
Artificial rupture of membranes	729	...	729
Cesarean section	835	...	835
Repair of current obstetric laceration	1,061	...	1,061
Operations on the musculoskeletal system	3,134	1,546	1,589
Partial excision of bone	231	120	111
Open reduction of fracture with internal fixation	432	170	262
Excision or destruction of intervertebral disc	288	164	124
Total hip replacement	138	57	81
Total knee replacement	245	88	157
Operations on the integumentary system	1,290	572	718
Mastectomy	89	*	87
Debridement of wound, infection, or burn	340	195	146
Skin graft	93	52	40
Miscellaneous diagnostic and therapeutic procedures	12,604	6,155	6,449
Computerized axial tomography	995	493	502
Pyelogram	154	84	70
Arteriography and angiocardigraphy using contrast material	1,964	1,165	799
Diagnostic ultrasound	1,177	501	676
Circulatory monitoring	337	168	170
Radioisotope scan	298	126	172
Respiratory therapy	1,085	554	532

* Figure does not meet standard of reliability or precision.

... Category not applicable.

¹See table 24 for comparison of number of procedures with number of discharges with procedures.

Table 28. Rate of all-listed procedures for discharges from short-stay hospitals, by sex and procedure category: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Procedure groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Procedure category and ICD-9-CM code	Both sexes	Rate per 100,000 population	
		Male	Female
All procedures	15,302.0	12,430.7	18,033.1
Operations on the nervous system	355.0	334.8	374.3
Spinal tap	03.31 117.5	122.2	113.0
Operations on the endocrine system	06-07 38.1	22.7	52.8
Operations on the eye	08-16 71.3	72.8	69.9
Operations on the ear	18-20 22.0	27.4	17.0
Operations on the nose, mouth, and pharynx	21-29 122.5	146.6	99.6
Tonsillectomy with or without adenoidectomy	28.2-28.3 13.5	14.6	12.5
Operations on the respiratory system	30-34 393.4	452.4	337.2
Bronchoscopy with or without biopsy	33.21-33.24,33.27 115.6	138.2	94.1
Operations on the cardiovascular system	35-39 2,062.0	2,510.7	1,635.2
Removal of coronary artery obstruction and insertion of stent(s) ¹	36.0 252.4	351.2	158.4
Coronary artery bypass graft ¹	36.1 226.6	329.1	129.2
Cardiac catheterization	37.21-37.23 439.7	546.8	337.8
Insertion, replacement, removal, and revision of pacemaker leads or device	37.7-37.8 129.3	133.2	125.6
Shunt or vascular bypass	39.0-39.2 73.0	83.6	62.9
Hemodialysis	39.95 156.6	158.9	154.3
Operations on the hemic and lymphatic system	40-41 131.7	131.4	132.1
Operations on the digestive system	42-54 1,885.0	1,672.2	2,087.4
Endoscopy of small intestine with or without biopsy	45.11-45.14,45.16 318.7	307.7	329.2
Endoscopy of large intestine with or without biopsy	45.21-45.25 185.7	155.6	214.4
Partial excision of large intestine	45.7 85.6	78.5	92.4
Appendectomy, excluding incidental	47.0 99.4	113.3	86.3
Cholecystectomy	51.2 169.8	110.6	226.0
Repair of inguinal hernia	53.0-53.1 29.3	49.3	10.3
Lysis of peritoneal adhesions	54.5 128.2	53.7	199.0
Operations on the urinary system	55-59 385.0	396.7	373.9
Cystoscopy with or without biopsy	57.31-57.33 78.7	100.7	57.8
Operations on the male genital organs	60-64 114.3	234.5	...
Prostatectomy	60.2-60.6 76.7	157.4	...
Operations on the female genital organs	65-71 793.9	...	1,549.0
Oophorectomy and salpingo-oophorectomy	65.3-65.6 180.0	...	351.2
Bilateral destruction or occlusion of fallopian tubes	66.2-66.3 129.7	...	253.0
Hysterectomy	68.3-68.7,68.9 223.8	...	436.6
Dilation and curettage of uterus	69.0 31.4	...	61.4
Repair of cystocele and rectocele	70.5 57.2	...	111.6
Obstetrical procedures	72-75 2,477.4	...	4,833.6
Episiotomy with or without forceps or vacuum extraction	72.1,72.21,72.31,72.71,73.6 490.3	...	956.6
Artificial rupture of membranes	73.0 276.3	...	539.0
Cesarean section	74.0-74.2,74.4,74.99 316.3	...	617.2
Repair of current obstetric laceration	75.5-75.6 401.9	...	784.1
Operations on the musculoskeletal system	76-84 1,187.2	1,201.0	1,174.0
Partial excision of bone	76.2-76.3,77.6-77.8 87.5	93.4	82.0
Open reduction of fracture with internal fixation	79.3 163.5	131.9	193.5
Excision or destruction of intervertebral disc	80.5 109.0	127.3	91.5
Total hip replacement	81.51 52.2	44.3	59.7
Total knee replacement	81.54 92.9	68.6	115.9
Operations on the integumentary system	85-86 488.7	444.7	530.6
Mastectomy	85.4 33.6	*	64.7
Debridement of wound, infection, or burn	86.22,86.28 129.0	151.4	107.7
Skin graft	86.6-86.7 35.1	40.7	29.8
Miscellaneous diagnostic and therapeutic procedures	87-99 4,774.5	4,782.9	4,766.5
Computerized axial tomography	87.03,87.41,87.71,88.01,88.38 377.0	383.2	371.0
Pyelogram	87.73-87.75 58.3	65.1	51.9
Arteriography and angiocardiology using contrast material	88.4-88.5 744.0	905.1	590.9
Diagnostic ultrasound	88.7 445.7	389.2	499.4
Circulatory monitoring	89.6 127.8	130.3	125.5
Radioisotope scan	92.0-92.1 112.9	98.2	126.9
Respiratory therapy	93.9,96.7 411.2	430.3	392.9

... Category not applicable.

* Figure does not meet standard of reliability or precision.

¹See table 24 for comparison of number of procedures with number of discharges with procedures.

Table 29. Number of all-listed procedures for discharges from short-stay hospitals, by geographic region and procedure category: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Procedure groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Procedure category and ICD-9-CM code	United States	North-east	Midwest	South	West	
						Number in thousands
All procedures	40,397	9,870	8,771	12,973	8,783	
Operations on the nervous system	01-05	937	222	217	290	208
Spinal tap	03.31	310	65	74	92	79
Operations on the endocrine system	06-07	101	31	17	31	21
Operations on the eye	08-16	188	52	19	84	33
Operations on the ear	18-20	58	21	*8	12	17
Operations on the nose, mouth, and pharynx	21-29	323	106	52	100	65
Tonsillectomy with or without adenoidectomy	28.2-28.3	36	19	*	10	*5
Operations on the respiratory system	30-34	1,038	270	217	343	208
Bronchoscopy with or without biopsy	33.21-33.24,33.27	305	84	62	97	62
Operations on the cardiovascular system	35-39	5,444	1,209	1,285	1,942	1,007
Removal of coronary artery obstruction and insertion of stent(s) ¹	36.0	666	118	183	231	135
Coronary artery bypass graft ¹	36.1	598	150	164	183	101
Cardiac catheterization	37.21-37.23	1,161	236	273	470	181
Insertion, replacement, removal, and revision of pacemaker leads or device	37.7-37.8	341	84	66	140	52
Shunt or vascular bypass	39.0-39.2	193	43	42	71	37
Hemodialysis	39.95	413	86	69	152	106
Operations on the hemic and lymphatic system	40-41	348	93	77	111	66
Operations on the digestive system	42-54	4,976	1,135	1,182	1,729	930
Endoscopy of small intestine with or without biopsy	45.11-45.14,45.16	841	187	201	309	144
Endoscopy of large intestine with or without biopsy	45.21-45.25	490	115	117	183	75
Partial excision of large intestine	45.7	226	52	61	78	35
Appendectomy, excluding incidental	47.0	263	47	61	80	75
Cholecystectomy	51.2	448	112	97	151	88
Repair of inguinal hernia	53.0-53.1	77	27	13	24	13
Lysis of peritoneal adhesions	54.5	338	66	85	134	53
Operations on the urinary system	55-59	1,016	257	234	343	183
Cystoscopy with or without biopsy	57.31-57.33	208	53	60	67	27
Operations on the male genital organs	60-64	302	74	78	97	53
Prostatectomy	60.2-60.6	203	45	55	66	37
Operations on the female genital organs	65-71	2,096	358	418	875	446
Oophorectomy and salpingo-oophorectomy	65.3-65.6	475	72	106	191	107
Bilateral destruction or occlusion of fallopian tubes	66.2-66.3	342	43	51	170	79
Hysterectomy	68.3-68.7,68.9	591	94	130	247	119
Dilation and curettage of uterus	69.0	83	28	12	30	13
Repair of cystocele and rectocele	70.5	151	23	33	61	34
Obstetrical procedures	72-75	6,540	1,215	1,422	2,061	1,841
Episiotomy with or without forceps or vacuum extraction	72.1,72.21,72.31,72.71,73.6	1,294	235	289	463	307
Artificial rupture of membranes	33.0	729	120	187	185	237
Cesarean section	74.0-74.2,74.4,74.99	835	139	159	332	206
Repair of current obstetric laceration	75.5-75.6	1,061	183	237	326	314
Operations on the musculoskeletal system	76-84	3,134	713	748	1,079	594
Partial excision of bone	76.2-76.3,77.6-77.8	231	57	52	82	39
Open reduction of fracture with internal fixation	79.3	432	92	104	157	78
Excision or destruction of intervertebral disc	80.5	288	49	59	128	51
Total hip replacement	81.51	138	29	42	40	27
Total knee replacement	81.54	245	46	75	82	42
Operations on the integumentary system	85-86	1,290	323	281	442	245
Mastectomy	85.4	89	15	26	32	16
Debridement of wound, infection, or burn	86.22,86.28	340	85	74	126	56
Skin graft	86.6-86.7	93	25	19	33	15
Miscellaneous diagnostic and therapeutic procedures	87-99	12,604	3,791	2,515	3,434	2,864
Computerized axial tomography	87.03,87.41,87.71,88.01,88.38	995	334	150	232	280
Pyelogram	87.73-87.75	154	39	30	54	31
Arteriography and angiocardiology using contrast material	88.4-88.5	1,964	403	487	777	297
Diagnostic ultrasound	88.7	1,177	359	203	240	374
Circulatory monitoring	89.6	337	96	76	71	94
Radioisotope scan	92.0-92.1	298	109	42	52	95
Respiratory therapy	93.9,96.7	1,085	309	215	281	280

* Figure does not meet standard of reliability or precision.

¹See table 24 for comparison of number of procedures with number of discharges with procedures.

Table 30. Rate of all-listed procedures for discharges from short-stay hospitals, by geographic region and procedure category: United States, 1996[Discharges of inpatients from non-Federal hospitals. Excludes newborn infants. Procedure groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*]

Procedure category and ICD-9-CM code	United States	North-east	Midwest	South	West	
						Rate per 100,000 population
All procedures	15,302.0	19,158.4	14,150.6	14,044.0	15,111.0	
Operations on the nervous system	01-05	355.0	430.1	350.9	313.8	358.3
Spinal tap	03.31	117.5	127.0	119.8	99.2	135.6
Operations on the endocrine system	06-07	38.1	60.9	27.1	33.6	37.0
Operations on the eye	08-16	71.3	100.5	30.9	91.1	56.9
Operations on the ear	18-20	22.0	40.2	*12.8	13.3	29.7
Operations on the nose, mouth, and pharynx	21-29	122.5	205.8	84.4	108.2	112.1
Tonsillectomy with or without adenoidectomy	28.2-28.3	13.5	36.1	*	10.3	*9.2
Operations on the respiratory system	30-34	393.4	524.8	349.4	371.8	358.1
Bronchoscopy with or without biopsy	33.21-33.24,33.27	115.6	162.9	100.5	104.8	106.9
Operations on the cardiovascular system	35-39	2,062.0	2,347.4	2,073.4	2,102.5	1,732.5
Removal of coronary artery obstruction and insertion of stent(s) ¹	36.0	252.4	229.2	295.5	249.6	231.5
Coronary artery bypass graft ¹	36.1	226.6	291.6	264.5	198.2	173.8
Cardiac catheterization	37.21-37.23	439.7	458.7	440.4	509.1	311.8
Insertion, replacement, removal, and revision of pacemaker leads or device	37.7-37.8	129.3	162.4	106.3	151.8	88.8
Shunt or vascular bypass	39.0-39.2	73.0	83.7	67.2	77.3	62.9
Hemodialysis	39.95	156.6	166.8	111.7	164.8	182.3
Operations on the hemic and lymphatic system	40-41	131.7	181.4	124.8	119.8	114.2
Operations on the digestive system	42-54	1,885.0	2,203.4	1,906.2	1,872.0	1,600.9
Endoscopy of small intestine with or without biopsy	45.11-45.14,45.16	318.7	362.2	324.3	335.0	248.3
Endoscopy of large intestine with or without biopsy	45.21-45.25	185.7	223.3	189.5	197.8	129.2
Partial excision of large intestine	45.7	85.6	100.7	98.7	84.1	60.8
Appendectomy, excluding incidental	47.0	99.4	91.3	98.4	86.4	128.4
Cholecystectomy	51.2	169.8	217.5	156.5	163.5	151.6
Repair of inguinal hernia	53.0-53.1	29.3	53.2	21.6	25.5	22.3
Lysis of peritoneal adhesions	54.5	128.2	128.9	137.2	144.7	91.6
Operations on the urinary system	55-59	385.0	498.0	378.0	371.2	314.3
Cystoscopy with or without biopsy	57.31-57.33	78.7	103.4	97.0	72.8	46.5
Operations on the male genital organs	60-64	114.3	143.4	125.3	105.1	91.4
Prostatectomy	60.2-60.6	76.7	87.0	88.7	70.9	64.1
Operations on the female genital organs	65-71	793.9	694.4	674.4	946.7	766.7
Oophorectomy and salpingo-oophorectomy	65.3-65.6	180.0	138.9	170.5	206.8	184.1
Bilateral destruction or occlusion of fallopian tubes	66.2-66.3	129.7	82.5	82.1	183.8	136.2
Hysterectomy	68.3-68.7,68.9	223.8	183.3	209.4	267.9	204.8
Dilation and curettage of uterus	69.0	31.4	53.5	19.6	32.9	22.1
Repair of cystocele and rectocele	70.5	57.2	44.4	52.8	66.0	59.2
Obstetrical procedures	72-75	2,477.4	2,359.1	2,294.3	2,231.6	3,168.1
Episiotomy with or without forceps or vacuum extraction	72.1,72.21,72.31,72.71,73.6	490.3	456.1	466.3	501.1	528.8
Artificial rupture of membranes	73.0	276.3	232.9	302.0	200.1	408.3
Cesarean section	74.0-74.2,74.4,74.99	316.3	269.0	256.5	359.3	353.9
Repair of current obstetric laceration	75.5-75.6	401.9	355.8	382.3	353.3	540.8
Operations on the musculoskeletal system	76-84	1,187.2	1,383.7	1,207.1	1,167.7	1,022.6
Partial excision of bone	76.2-76.3,77.6-77.8	87.5	111.1	83.8	89.2	67.9
Open reduction of fracture with internal fixation	79.3	163.5	179.2	168.3	170.3	133.4
Excision or destruction of intervertebral disc	80.5	109.0	95.5	95.2	138.8	88.1
Total hip replacement	81.51	52.2	55.4	67.3	43.6	46.8
Total knee replacement	81.54	92.9	88.4	121.1	89.0	72.9
Operations on the integumentary system	85-86	488.7	626.1	453.8	478.2	421.0
Mastectomy	85.4	33.6	29.9	42.0	34.5	26.7
Debridement of wound, infection, or burn	86.22,86.28	129.0	164.2	119.9	136.0	96.2
Skin graft	86.6-86.7	35.1	48.6	31.0	35.9	26.3
Miscellaneous diagnostic and therapeutic procedures	87-99	4,774.5	7,359.2	4,057.7	3,717.5	4,927.4
Computerized axial tomography	87.03,87.41,87.71,88.01,88.38	377.0	647.7	241.3	251.3	481.4
Pyelogram	87.73-87.75	58.3	75.8	48.7	58.3	53.1
Arteriography and angiocardiology using contrast material	88.4-88.5	744.0	781.4	786.1	841.1	511.8
Diagnostic ultrasound	88.7	445.7	697.3	328.3	259.9	643.2
Circulatory monitoring	89.6	127.8	186.4	122.3	77.3	162.0
Radioisotope scan	92.0-92.1	112.9	211.7	68.0	56.2	163.4
Respiratory therapy	93.9,96.7	411.2	599.8	347.4	304.3	481.7

* Figure does not meet standard of reliability or precision.

¹See Table 24 for comparison of number of procedures with number of discharges with procedures.

Table 31. Number, percent distribution, and rate of discharges and days of care, with average length of stay for females with deliveries discharged from short-stay hospitals, by type of delivery, age, and region: United States, 1996[Discharges of inpatients from non-Federal hospitals. Data are for discharges 10–54 years of age with *International Classification of Diseases, 9th Revision, Clinical Modification* (ICD–9–CM) code V27, females with deliveries]

Type of delivery age and region	Discharges			Days of care			Average length of stay in days
	Number in thousands	Percent distribution	Rate per 1,000 population	Number in thousands	Percent distribution	Rate per 1,000 population	
All deliveries							
10–54 years	3,830	100.0	44.9	8,367	100.0	98.2	2.2
10–19 years	507	13.2	27.7	1,100	13.2	60.2	2.2
20–24 years	904	23.6	106.3	1,905	22.8	224.0	2.1
25–29 years	1,067	27.9	113.1	2,304	27.5	244.3	2.2
30–34 years	885	23.1	82.9	1,960	23.4	183.5	2.2
35–39 years	395	10.3	35.0	907	10.8	80.2	2.3
40–54 years	72	1.9	2.7	191	2.3	7.1	2.7
All regions	3,830	100.0	44.9	8,367	100.0	98.2	2.2
Northeast	624	16.3	37.8	1,618	19.3	98.1	2.6
Midwest	785	20.5	39.3	1,692	20.2	84.7	2.2
South	1,384	36.1	46.1	3,073	36.7	102.4	2.2
West	1,036	27.1	55.4	1,983	23.7	106.0	1.9
Vaginal deliveries ¹							
10–54 years	2,996	100.0	35.2	5,463	100.0	64.1	1.8
10–19 years	427	14.3	23.4	808	14.8	44.2	1.9
20–24 years	744	24.8	87.5	1,328	24.3	156.1	1.8
25–29 years	831	27.7	88.1	1,502	27.5	159.2	1.8
30–34 years	665	22.2	62.3	1,213	22.2	113.5	1.8
35–39 years	281	9.4	24.8	519	9.5	45.9	1.8
40–54 years	48	1.6	1.8	94	1.7	3.5	2.0
All regions	2,996	100.0	35.2	5,463	100.0	64.1	1.8
Northeast	487	16.3	29.5	1,068	19.5	64.7	2.2
Midwest	626	20.9	31.3	1,142	20.9	57.1	1.8
South	1,052	35.1	35.0	1,947	35.6	64.8	1.9
West	830	27.7	44.4	1,306	23.9	69.8	1.6
Cesarean deliveries ²							
10–54 years	834	100.0	9.8	2,905	100.0	34.1	3.5
10–19 years	80	9.6	4.4	293	10.1	16.0	3.7
20–24 years	160	19.2	18.9	577	19.9	67.8	3.6
25–29 years	236	28.3	25.0	802	27.6	85.1	3.4
30–34 years	220	26.4	20.6	748	25.7	70.0	3.4
35–39 years	114	13.7	10.1	388	13.4	34.3	3.4
40–54 years	24	2.8	0.9	97	3.3	3.6	4.1
All regions	834	100.0	9.8	2,905	100.0	34.1	3.5
Northeast	137	16.5	8.3	550	19.0	33.4	4.0
Midwest	159	19.1	8.0	551	19.0	27.5	3.5
South	332	39.8	11.1	1,126	38.8	37.5	3.4
West	206	24.7	11.0	677	23.3	36.2	3.3

¹Discharges of females with deliveries except those with cesarean deliveries.²Discharges of females with deliveries with ICD–9–CM procedure codes 74.0–74.2, 74.4, or 74.99.

Table 32. Number and percent distribution of females with deliveries discharged from short-stay hospitals by length of stay and type of delivery: United States, selected years 1980–96[Discharges of inpatients from non-Federal hospitals. Data are for discharges with *International Classification of Diseases, 9th Revision, Clinical Modification (ICD–9–CM)* code V27, females with deliveries]

	1980	1985	1990	1995	1996
	Number in thousands				
Length of stay					
All deliveries	3,762	3,854	4,025	3,766	3,830
Less than 1 day	23	34	37	36	34
1 day	216	373	623	1,368	1,217
2 days	747	1,037	1,649	1,418	1,557
3 days	1,205	1,140	900	606	671
4 days	691	586	468	193	202
5–7 days	726	598	282	100	105
8 days or more	154	86	67	46	43
Vaginal deliveries ¹	3,143	2,977	3,080	2,981	2,996
Less than 1 day	23	33	35	34	31
1 day	215	371	620	1,362	1,212
2 days	743	1,030	1,624	1,271	1,368
3 days	1,185	1,054	618	228	293
4 days	618	338	106	39	41
5–7 days	317	125	55	27	31
8 days or more	42	26	23	21	18
Cesarean deliveries ²	619	877	945	785	834
Less than 1 day	*	*	*	*	*
1 day	*	*	*	*6	*
2 days	*	*7	25	147	189
3 days	20	86	283	379	378
4 days	73	249	361	154	160
5–7 days	409	473	227	73	74
8 days or more	112	60	44	25	25
	Percent distribution				
All deliveries	100.0	100.0	100.0	100.0	100.0
Less than 1 day	0.6	0.9	0.9	1.0	0.9
1 day	5.7	9.7	15.5	36.3	31.8
2 days	19.9	26.9	41.0	37.7	40.7
3 days	32.0	29.6	22.4	16.1	17.5
4 days	18.4	15.2	11.6	5.1	5.3
5–7 days	19.3	15.5	7.0	2.7	2.7
8 days or more	4.1	2.2	1.7	1.2	1.1
Vaginal deliveries ¹	100.0	100.0	100.0	100.0	100.0
Less than 1 day	0.7	1.1	1.1	1.1	1.0
1 day	6.8	12.5	20.1	45.7	40.5
2 days	23.6	34.6	52.7	42.6	45.7
3 days	37.7	35.4	20.1	7.6	9.8
4 days	19.7	11.4	3.4	1.3	1.4
5–7 days	10.1	4.2	1.8	0.9	1.0
8 days or more	1.3	0.9	0.7	0.7	0.6
Cesarean deliveries ²	100.0	100.0	100.0	100.0	100.0
Less than 1 day	*	*	*	*	*
1 day	*	*	*	*0.8	*
2 days	*	*0.8	2.6	18.7	22.7
3 days	3.2	9.8	29.9	48.3	45.3
4 days	11.8	28.4	38.2	19.6	19.2
5–7 days	66.1	53.9	24.0	9.3	8.8
8 days or more	18.1	6.8	4.7	3.2	3.0
	Average length of stay in days				
Type of delivery					
All deliveries	3.8	3.3	2.8	2.1	2.2
Vaginal deliveries ¹	3.2	2.7	2.3	1.7	1.8
Cesarean deliveries ²	6.5	5.2	4.5	3.6	3.5

* Figure does not meet standard of reliability or precision.

¹Discharges of females with deliveries except those with cesarean deliveries.²Discharges of females with deliveries with ICD–9–CM procedure codes 74.0–74.2, 74.4, or 74.99.

Table 33. Number and rate of selected obstetrical procedures for females with deliveries discharged from short-stay hospitals: United States, selected years 1980–96

[Discharges from non-Federal hospitals. Procedure groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification* (ICD–9–CM). Data are for selected procedures performed on discharges with code V27, females with deliveries]

Procedure category and ICD–9–CM code	1980	1985	1990	1995	1996
Number of procedures in thousands					
All obstetrical procedures 72–75	3,526	4,239	6,660	6,282	6,472
Episiotomy 72.1,72.21,72.31,72.71,73.6	2,012	1,820	1,714	1,410	1,294
Forceps delivery ¹ 72.0–72.4,72.51,72.53,72.6,73.3	555	376	269	176	150
Vacuum extraction ¹ 72.7	22	66	190	279	293
Artificial rupture of membranes 73.0	120	315	691	752	729
Medical induction of labor 73.4	42	66	225	366	383
Manually assisted delivery 73.5	70	193	750	866	1,030
Cesarean section 74.0–74.2,74.4,74.99	619	877	945	785	835
Repair of current obstetric laceration 75.5–75.6	350	543	789	961	1,059
Rate per 100 deliveries ²					
All obstetrical procedures 72–75	93.7	110.0	165.5	166.8	169.0
Artificial rupture of membranes 73.0	3.2	8.2	17.2	20.0	19.0
Medical induction of labor 73.4	1.1	1.7	5.6	9.7	10.0
Cesarean section 74.0–74.2,74.4,74.99	16.5	22.7	23.5	20.8	21.8
Rate per 100 vaginal deliveries ³					
Episiotomy 72.1,72.21,72.31,72.71,73.6	64.0	61.1	55.6	47.2	43.1
Forceps delivery ¹ 72.0–72.4,72.51,72.53,72.6,73.3	17.6	12.5	8.6	5.8	4.8
Vacuum extraction ¹ 72.7	0.7	2.2	6.1	9.2	9.6
Manually assisted delivery 73.5	2.2	6.5	24.3	29.0	34.3
Repair of current obstetric laceration 75.5–75.6	11.1	18.1	25.5	32.0	35.2

¹Vacuum extraction and forceps delivery with episiotomy are also included in the episiotomy category.

²Procedures per 100 discharges of females with deliveries.

³Procedures for females with vaginal deliveries per 100 discharges with vaginal deliveries. Vaginal deliveries are all deliveries except those with a cesarean section.

Table 34. Number and rate of females with deliveries discharged from short-stay hospitals by type of delivery: United States, selected years 1980–96

[Discharges of inpatients from non-Federal hospitals. Data are for discharges with *International Classification of Diseases, 9th Revision, Clinical Modification* (ICD–9–CM) code V27, females with deliveries]

Type of delivery	1980	1985	1990	1995	1996
Number in thousands					
Females with deliveries	3,762	3,854	4,025	3,766	3,830
Previous cesarean delivery	192	324	426	413	458
No previous cesarean delivery	3,571	3,530	3,600	3,353	3,372
Vaginal deliveries	3,143	2,977	3,080	2,981	2,996
Vaginal births after cesarean delivery (VBAC)	*6	21	87	147	154
Other vaginal deliveries	3,137	2,956	2,993	2,835	2,842
Cesarean deliveries	619	877	945	785	834
No previous cesarean delivery (primary)	434	574	606	519	529
Previous cesarean delivery (repeat)	185	303	339	266	304
Rate per 100 deliveries					
Cesarean deliveries per 100 deliveries	16.5	22.7	23.5	20.8	21.8
Primary cesarean deliveries per 100 deliveries without previous cesarean delivery	12.1	16.3	16.8	15.5	15.7
Repeat cesarean deliveries per 100 cesarean deliveries	29.9	34.6	35.9	33.9	36.5
Vaginal births after cesarean delivery (VBAC) per 100 deliveries with previous cesarean delivery	*3.4	6.6	20.4	35.5	33.6

* Figure does not meet standard of reliability or precision.

NOTE: Previous cesarean deliveries are discharges with ICD–9–CM diagnostic code 654.2. Cesarean deliveries are discharges with ICD–9–CM procedure codes 74.0–74.2, 74.4, or 74.99.

Table 35. Number and rate of females with deliveries discharged from short-stay hospitals by type of delivery, age, and region: United States, 1996[Discharges of inpatients from non-Federal hospitals. Data are for discharges 10–54 years of age with *International Classification of Diseases, 9th Revision, Clinical Modification* (ICD–9–CM) code V27, females with deliveries]

Age and region	Cesarean deliveries			
	Total ¹	Primary ²	Repeat ³	VBAC ^{4,5}
Number in thousands				
10–54 years	834	529	304	154
10–19 years	80	74	*6	*
20–24 years	160	108	53	30
25–29 years	236	154	82	47
30–34 years	220	125	95	47
35–39 years	114	59	55	22
40–54 years	24	11	13	*
All regions	834	529	304	154
Northeast	137	95	42	24
Midwest	159	97	61	35
South	332	208	124	56
West	206	129	77	39
Rate per 100 deliveries				
10–54 years	21.8	15.7	36.5	33.6
10–19 years	15.7	14.8	*7.6	*
20–24 years	17.7	13.1	32.9	35.9
25–29 years	22.1	16.4	34.7	36.4
30–34 years	24.9	16.8	43.2	33.2
35–39 years	28.9	18.5	48.4	28.0
40–54 years	32.9	19.2	55.6	*
All regions	21.8	15.7	36.5	33.6
Northeast	22.0	17.1	30.4	36.6
Midwest	20.2	14.2	38.7	36.5
South	24.0	17.2	37.5	31.0
West	19.9	14.0	37.3	33.4

* Figure does not meet standard of reliability or precision.

¹Discharges with ICD–9–CM procedure codes 74.0–74.2, 74.4, or 74.99. Rate per 100 total deliveries.²Cesarean deliveries without ICD–9–CM diagnostic code 654.2. Rate per 100 deliveries without previous cesarean delivery.³Cesarean deliveries with ICD–9–CM diagnostic code 654.2. Rate per 100 cesarean deliveries.⁴VBAC is vaginal birth after cesarean delivery.⁵Vaginal deliveries with ICD–9–CM diagnostic code 654.2. Rate per 100 deliveries with previous cesarean delivery.

Table 36. Number, percent distribution, and average length of stay for newborn infants discharged from short-stay hospitals by sex, geographic region, and health status: United States, 1996

[Discharges of inpatients from non-Federal hospitals]

Sex, region, and health status	Discharges		Average length of stay in days
	Number in thousands	Percent distribution	
All newborn infants	3,926	100.0	3.0
Sex			
Male	1,999	50.9	3.0
Female	1,927	49.1	2.9
Region			
Northeast	645	16.4	3.5
Midwest	826	21.0	2.7
South	1,403	35.7	3.0
West	1,051	26.8	2.7
Health status			
Well ¹	2,436	62.1	1.8
Male	1,183	30.1	1.8
Female	1,253	31.9	1.8
Sick ²	1,490	37.9	4.9
Male	816	20.8	4.9
Female	674	17.2	5.0

¹Without any illness or risk-related diagnoses.²With at least one illness or risk-related diagnosis, ICD-9-CM codes 001-999.**Table 37. Number and percent distribution of newborn infants discharged from short-stay hospitals by length of stay, and average length of stay by health status: United States, selected years 1980-96**

[Discharges of inpatients from non-Federal hospitals]

Length of stay and health status	1980	1985	1990	1995	1996
Length of stay					
All newborn infants	3,824	3,794	3,869	3,631	3,926
Less than 1 day	69	84	79	87	74
1 day	270	428	693	1,523	1,502
2 days	842	1,057	1,624	1,145	1,407
3 days	1,175	1,034	636	486	501
4 days	618	528	447	134	152
5-7 days	633	497	232	106	124
8 days or more	218	167	157	149	166
Percent distribution					
All newborn infants	100.0	100.0	100.0	100.0	100.0
Less than 1 day	1.8	2.2	2.0	2.4	1.9
1 day	7.1	11.3	17.9	41.9	38.3
2 days	22.0	27.9	42.0	31.5	35.8
3 days	30.7	27.3	16.4	13.4	12.8
4 days	16.2	13.9	11.6	3.7	3.9
5-7 days	16.5	13.1	6.0	2.9	3.2
8 days or more	5.7	4.4	4.1	4.1	4.2
Health status					
Average length of stay in days					
All newborn infants	4.3	3.8	3.3	2.8	3.0
Well ¹	3.2	2.8	2.3	1.7	1.8
Sick ²	7.1	5.7	4.8	4.4	4.9

¹Without any illness or risk-related diagnosis.²With at least one illness or risk-related diagnosis, ICD-9-CM codes 001-999.

Table 38. Number of all-listed diagnoses for sick newborn infants discharged from short-stay hospitals, by sex and selected diagnostic categories: United States, 1996

[Discharges of inpatients from non-Federal hospitals. Diagnostic groupings and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification* (ICD-9-CM). Data are for newborn infants with at least one of ICD-9-CM codes 001-999]

Diagnostic category and ICD-9-CM code	Both sexes	Male	Female
Sick newborn diagnoses 001-999	2,813	1,567	1,246
Congenital anomalies 740-759	252	144	109
Disorders relating to short gestation and unspecified low birthweight (prematurity) 765	277	150	127
Disorders relating to long gestation and high birthweight 766	216	131	85
Birth trauma 767	159	91	69
Injuries to scalp 767.1	94	54	40
Respiratory distress syndrome and other respiratory conditions of fetus and newborn 769-770	383	228	155
Transitory tachypnea of newborn 770.6	116	72	44
Infections specific to the perinatal period 771	111	58	52
Hemolytic disease of fetus or newborn, due to isoimmunization, and other perinatal jaundice 773-774	473	249	224
Neonatal jaundice associated with preterm delivery 774.2	118	65	52
Unspecified fetal and neonatal jaundice 774.6	279	148	132
Endocrine and metabolic disturbances specific to the fetus and newborn 775	127	72	55

Appendix

Technical Notes

Abstract Form

Figure 1 shows the medical abstract form used for the 1996 NHDS. The hospital or facility number, medical record number, date of birth, and patient ZIP Code are confidential information and are not released to the public.

Surgical and Nonsurgical Procedures

The procedures classified as nonsurgical in this report are listed in table I by code numbers from the *International Classification of Diseases, 9th Revision, Clinical Modification* (ICD-9-CM) (16). All other procedures are considered surgical procedures.

Population Estimates

The population estimates used to compute rates, shown in table II, are for the U.S. civilian population, including institutionalized persons, as of July 1, 1996. These estimates were provided by the U.S. Bureau of the Census and are consistent with estimates in Population Division Release PPL #57. Population estimates are shown for four geographic regions.

Region	States included
Northeast	Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, and Pennsylvania
Midwest	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

Table I. Code numbers for procedures considered nonsurgical in the National Hospital Discharge Survey by ICD-9-CM category, 1996

[Procedure categories and code numbers are based on the *International Classification of Diseases, 9th Revision, Clinical Modification* (ICD-9-CM)]

Procedure category and ICD-9-CM code	Nonsurgical codes
Operations on the nervous system 01-05	01.18-01.19,03.31,03.39,04.19,05.19
Operations on the endocrine system 06-07	06.19,07.19
Operations on the eye 08-16	08.19,09.19,09.41-09.49,10.29,11.29,12.29, 14.19,15.09,16.21,16.29
Operations on the ear 18-20	18.01,18.11,18.19,20.31,20.39
Operations on the nose, mouth, and pharynx 21-29	21.00-21.02,21.21,21.29,22.19,24.19,25.09, 26.19,27.29,28.19,29.11,29.19
Operations on the respiratory system 30-34	31.41-31.42,31.48-31.49,33.21-33.23, 33.29,34.21-34.22,34.28-34.29
Operations on the cardiovascular system 35-39	37.26-37.27,37.29,38.29,39.95
Operations on the hemic and lymphatic system 40-41	40.19,41.38-41.39
Operations on the digestive system 42-54	42.22-42.23,42.29,44.11-44.13,44.19, 45.11-45.13,45.19,45.21-45.24,45.28-45.29, 48.21-48.23,48.29,49.21,49.29,50.19, 51.10-51.11,51.19,52.19,54.21,54.29
Operations on the urinary system 55-59	55.21-55.22,55.29,56.31,56.35,56.39, 57.31-57.32,57.39,57.94-57.95,58.21-58.22, 58.29,59.29
Operations on the male genital organs 60-64	60.18-60.19,61.19,62.19,63.09,64.19,64.94
Operations on the female genital organs 65-71	65.19,66.19,67.19,68.11,68.19,69.92,70.21-70.22, 70.29,71.19
Obstetrical procedures 72-75	73.4,73.51-73.59,73.91-73.92,75.31-75.32, 75.34-75.35,75.94
Operations on the musculoskeletal system 76-84	76.19,78.80-78.89,80.20-80.29,81.98,83.29, 84.41-84.43,84.45-84.47
Operations on the integumentary system 85-86	85.19,86.19,86.92
Miscellaneous diagnostic and therapeutic procedures 87-99	87.01-99.99

West Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, California, Hawaii, and Alaska

about 1 in 100 that the difference would be more than 2.5 times as large as the standard error. The relative standard error (RSE) expresses the standard error as a percent of the estimate and can be multiplied by the estimate to obtain the standard error.

Reliability of Estimates

The statistics presented in this report are based on a sample survey, and therefore may differ from the figures that would be obtained if a complete census had been taken. The standard error is primarily a measure of sampling variability that occurs by chance because only a sample rather than an entire universe is surveyed. Standard errors for the estimates from the NHDS were calculated with SUDAAN software, which takes into account the complex sample designs. A description of the software and the approach it uses has been published (18).

The chances are about 32 in 100 that an estimate from the samples would differ from a complete census by more than the standard error. The chances are 5 in 100 that the difference would be more than twice the standard error, and

To derive approximate standard errors for the estimates in this report, first calculate the approximate RSE of the estimate using the parameters shown in table III. Then multiply the approximate RSE by the estimate. The approximate RSE of an estimate X, may be estimated from the formula:

$$RSE(X) = \sqrt{a+b/X}$$

where a and b are defined in table III. When multiplied by 100, RSE(X) is expressed as a percent of X.

The approximate RSE for a percent p in which the numerator is a subclass of the denominator, may be calculated directly using the formula:

$$RSE(p) = \sqrt{b(1-p)/(pX)}$$

where 100p is the percent of interest, X is the denominator of the percent, and b is the parameter b in the formula for

Table II. Civilian population by selected characteristics: United States, 1996

[Population estimates consistent with Population Division Release PPL #57, U.S. Bureau of the Census]

Age and geographic region	Both sexes	Male	Female
Population in thousands			
All ages			
Total	263,998	128,691	135,306
Region:			
Northeast	51,520	24,867	26,653
Midwest	61,983	30,212	31,771
South	92,373	44,718	47,655
West	58,122	28,895	29,228
Under 15 years			
Total	57,708	29,549	28,159
Under 1 year	3,769	1,928	1,841
1-4 years	15,516	7,940	7,577
5-14 years	38,422	19,681	18,741
Region:			
Northeast	10,606	5,433	5,173
Midwest	13,445	6,888	6,557
South	20,097	10,280	9,817
West	13,561	6,949	6,612
15-44 years			
Total	118,734	59,292	59,442
15-24 years	35,739	18,206	17,533
25-34 years	39,868	19,754	20,114
35-44 years	43,127	21,332	21,795
Region:			
Northeast	22,835	11,362	11,473
Midwest	27,798	13,901	13,898
South	41,417	20,460	20,957
West	26,684	13,570	13,114
45-64 years			
Total	53,694	25,969	27,725
45-64 years	32,334	15,804	16,530
55-64 years	21,360	10,165	11,195
Region:			
Northeast	10,763	5,150	5,613
Midwest	12,612	6,125	6,488
South	19,036	9,140	9,896
West	11,283	5,554	5,729
65 years and over			
Total	33,861	13,881	19,980
65-74 years	18,669	8,325	10,345
75-84 years	11,430	4,486	6,944
85 years and over	3,762	1,070	2,692
Region:			
Northeast	7,316	2,922	4,394
Midwest	8,128	3,299	4,829
South	11,824	4,838	6,985
West	6,594	2,822	3,772

approximating the $RSE(X)$. The values for b are given in table III. When multiplied by 100, $RSE(p)$ is expressed as a percent of p . This approximation is valid if the RSE of the denominator is less than 5 percent or the RSE 's of the numerator and denominator are both less than 10 percent (19,20).

The approximate RSE of a population-based rate is equivalent to the approximate RSE of the numerator, if the denominator is an estimate produced by the U.S. Bureau of the Census for the total population or one or more of the age-sex groups of the total population.

The approximate RSE of a ratio (X/Y) in which the numerator X and the denominator Y are both estimated from the same survey, but the numerator is not a subclass of the denominator, is calculated using the formula:

$$RSE(X/Y) = \sqrt{[RSE(X)]^2 + [RSE(Y)]^2}$$

When multiplied by 100, the $RSE(X/Y)$ is expressed as a percent of the ratio X/Y . This approximation is valid if the RSE of the denominator is less than 5 percent or the RSE 's of both the numerator and denominator are both less than 10 percent (19,20).

Table III. Estimated parameters for approximate relative standard error equations for National Hospital Discharge Survey statistics by selected characteristics, 1996

Characteristic	Number of discharges or first-listed diagnoses		Number of all-listed diagnoses		Number of days of care		Number of all-listed procedures	
	<i>a</i>	<i>b</i>	<i>a</i>	<i>b</i>	<i>a</i>	<i>b</i>	<i>a</i>	<i>b</i>
Total	0.00135	355.278	0.00315	340.624	0.00422	961.321	0.00265	367.004
Sex								
Male	0.00153	328.232	0.00412	323.367	0.00594	1,104.936	0.00347	330.761
Female	0.00157	384.999	0.00174	322.104	0.00226	1,341.036	0.00278	331.207
Age								
Under 15 years	0.01700	229.443	0.01958	289.646	0.02006	722.724	0.01858	236.345
15–44 years	0.00158	322.959	0.00265	328.234	0.00317	997.933	0.00398	298.470
45–64 years	0.00147	321.327	0.00235	302.405	0.00323	1,186.155	0.00373	293.436
65 years and over	0.00157	340.854	0.00196	309.446	0.00296	1,593.926	0.00252	277.559
Region								
Northeast	0.00437	213.840	0.01157	277.233	0.00778	632.459	0.00668	234.728
Midwest	0.01253	384.988	0.00819	183.086	0.00783	701.464	0.00821	154.838
South	0.00358	350.427	0.00388	306.111	0.00671	923.876	0.00441	270.511
West	0.00519	389.105	0.00822	420.446	0.01139	1,093.364	0.00829	369.526

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