Series 13 Number 15

Patient Charges in Short-Stay Hospitals

United States – 1968-1970

Statistics are presented on the utilization of short-stay non-Federal hospitals based on data collected in the Hospital Discharge Survey from a national sample of hospital records of discharged patients. Number of discharges, total charges, average charge per episode of hospitalization, and average charge per day of hospitalization are presented by sex and age of patient, geographic region, bed size of hospital, and type of hospital service. Average charge per day of hospitalization is also presented by length of stay of patient.

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DIVISION OF HEALTH RESOURCES UTILIZATION STATISTICS

COOPERATION OF THE BUREAU OF THE CENSUS

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

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

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PATIENT CHARGES IN SHORT-STAY HOSPITALS

Mary Moien, Division of Health Resources Utilization Statistics

INTRODUCTION

In 1968, an estimated 13.2 billion dollars was spent on short-stay non-Federal hospital care (excluding maternity patients and newborn infants). This estimate rose to \$15.5 billion in 1969 and \$17.7 billion by 1970, an increase of approximately 34 percent over the 1968 figure. The estimated average charge per episode of hospitalization was \$536 in 1968, \$622 in 1969, and \$693 in 1970. These are some major findings of the Hospital Discharge Survey (HDS) which since 1965 has been collecting data on the characteristics of patients, their diagnoses and surgical procedures, and on the hospitals from which they were discharged.

For the years 1968-1970, data was also collected on hospital charges and sources of payment. This report is based on hospital charges-the amount charged by the hospital to the patient or third-party insurer. This amount does not reflect the hospital's cost for treating patients, nor does it necessarily reflect the amount actually received from insurance companies, Medicare, etc. For this survey hospital charges were classified into the following categories: room and care, pharmacy, laboratory, radiology, operating and/ or recovery room, professional services, and other services. Professional services relate only to charges which were billed by the hospital. The great majority of professional fees are billed separately by the physician's office. The composition of these services is described in appendix II.

SOURCES AND LIMITATIONS OF DATA

The estimates presented in this report are based on information obtained from the medical and ledger records of a national sample of patients discharged from general and special shortstay hospitals, excluding Federal hospitals. Out of a universe of 6,965 hospitals, 465 were in the complete HDS sample for 1968 through 1970. Of these 465, a subsample of 168 hospitals was drawn into the charges survey with 142 hospitals participating for all or part of 1968, 137 for all or part of 1969, and 130 for all or part of 1970.

The medical abstracts were completed in the medical record department of the hospital. Ledger abstracts for the same sample of discharges were then completed in the business office. After the records were received at the National Center for Health Statistics, they were matched using a computer program, edited, and tabulated, producing a final record which combined patient characteristics and diagnostic data with charges and source of payment data. A copy of the medical and ledger abstracts used in the survey are shown in appendix I.

This report is concerned with the charges data and is presented in terms of total charges as well as average charge per episode by room and care and other specified hospital services, by patient characteristics of age and sex, and by hospital characteristics of bed size and geographic region. Average charge per day of hospitalization is shown by length of stay intervals.

Data for newborn infants and females with deliveries are excluded from this report. The common practice of including charges information on one record for both mother and baby hampered analysis of this data.

Since the estimates shown in this report are based on a sample of discharges rather than all discharges from all hospitals, they are subject to sampling error. Sampling error data can be found in appendix I. Additional data needed solely for computing standard errors for the average charge per day of hospitalization are found in tables 9 and 10.

Due to the difference in the size of the sample between the ledger survey (approximately 67,000 abstracts per year) and the medical survey (approximately 210,000 abstracts per year), comparability is not always possible between the data reported here and the 1968-1970 data published in other Hospital Discharge Survey reports in *Vital and Health Statistics* (Series 13, numbers 10-14).

Appendix II contains definitions of terms used in this report relating to hospitalization, hospital charges, and hospitals and their patients. Since several of the terms have specialized meanings for the Hospital Discharge Survey, familiarity with these definitions will aid in interpreting the data.

Background Data on Participating Hospitals

The information on charges is affected by procedures used by participating hospitals in billing patients. The great majority of hospitals (90 percent) itemized charges billed for each patient. Two percent of the hospitals were either run by insurance foundations or for charity and had no posted charges, and 8 percent of the hospitals had a fixed rate per day of hospitalization. Fixed-rate hospitals had no breakdown of charges shown on hospital records; in this report, therefore, total charges for these hospitals are shown under the room and care heading.

Over half of the hospitals with 1,000 beds or more charged a fixed rate, whereas only 2 percent of the remaining hospitals had a fixed rate. By geographic region, 16 percent of the participating hospitals in the Northeast Region had a fixed rate, 11 percent in the West, 3 percent in the South, and 2 percent in the North Central. Because of the concentration of fixed-rate hospitals by bed size, and to a lesser degree by geographic region, care must be taken when examining utilization by type of service.

UTILIZATION BY TYPE OF HOSPITAL SERVICE

Age and Sex of Patient

The number and percent of total patients who utilized the various types of hospital services are presented by age and sex for 1968 through 1970 in table 1. Virtually 100 percent of the total discharges had a charge for room and care, and about 90 to 95 percent incurred laboratory and pharmacy charges during each year. Approximately two-thirds of the patients discharged had a radiology charge. There was an operating and/ or recovery room charge for about 42 to 44 percent of the discharges and a professional services charge for about 11 to 16 percent.

There were variations in the age and sex patterns for the various types of hospital services. The percent of total discharges with charges for room and care and for laboratory services were about the same for all sex and age groups for each year. On the other hand, the percent of discharges with a charge for pharmacy, radiology, or professional services generally increased with age. In 1970 the percent of all discharges utilizing the pharmacy increased from an estimated 85 percent for the age group under 15 years to 95 percent for those patients 65 years and over. For radiology the percent increased from 58 to 78 percent as age increased and for professional services from 14 to 18 percent. These trends were the same for both sexes and each year of the study.

The operating and/or recovery room was the only hospital service for which utilization generally decreased with age for each year. For instance, in 1970 the percent of discharges utilizing the operating and/or recovery room was 49 percent for the age group under 15 years, rose slightly for those 15 to 44 years, and dipped to 32 percent for patients 65 years and over. By sex, females had a higher percent operating and/ or recovery room utilization for 1968-1970. By age, however, this higher utilization for females

was concentrated in the age groups 15 to 44 and 45 to 64.

Geographic Region and Bed Size of Hospital

Patient utilization by type of hospital service, geographic region, and bed size of hospital is shown in table 2. In evaluating patient utilization of specific hospital services, points discussed previously concerning fixed-rate hospitals are relevant.

Regional variations were evident in the percent of patients with charges for the various hospital services. There were relatively small differences among the regions for percent of patients with charges for room and care and laboratory during each year of the study. There were larger variations among the regions for radiology charges. However, the largest relative differences were found in percent of discharges with a charge for professional services; percents for the West Region were about twice those of the Northeast Region for two of the three study years.

With a few exceptions, the relative ranking by region of each type of hospital charge was the same for each year, 1968-1970. The percent of patients with a pharmacy charge was highest in the South and lowest in the Northeast for all 3 years. In 1970, for example, the percents were 94.5 and 86.1, respectively. For each year, the North Central Region had the highest percent utilization of radiology services and the West the lowest. For 1970, 71.7 percent of the discharges in the North Central Region had a radiology charge and only 57.1 percent of those in the West had a similar charge. The Northeast consistently had the highest percent of patients with an operating and/or recovery room charge (49.4 percent in 1970), while for each year the South had the lowest percent utilization (39.7 percent in 1970).

By bed size, differences in the percent of total patients by type of charge were relatively small among hospitals with fewer than 1,000 beds (table 2). The major variations occurred with utilization of operating and/or recovery room and professional services. However, for hospitals with 1,000 beds or more the proportion of patients with all types of hospital charges except room and care was substantially lower due to the higher percent (53 percent) of fixed-rate hospitals in this bed size group. For example, only 31.7 percent of the patients discharged in 1970 from the largest hospitals had a pharmacy charge compared with 90.4 percent for all hospitals.

Among the hospitals with fewer than 1,000 beds, the percent utilization of operating and/or recovery room for each year was lowest for the smallest hospitals. Greater specialization in the larger hospitals could account for these differences. In 1970, 29.5 percent of the patients in hospitals with 6-99 beds had operating and/or recovery room charges compared with 51.0 percent in hospitals with 500-999 beds.

TOTAL CHARGES BY TYPE OF HOSPITAL SERVICE

Age and Sex of Patient

An estimated \$13.2 billion was charged for short-stay hospital care in 1968. By 1970, the estimate was \$17.7 billion, an increase of 34 percent in 3 years. Total charges in dollars for each hospital service and the percent of the total bill allocated to each service are shown in table 3 by age and sex of patient. The largest allocation was for room and care. Although the estimate increased from \$7.7 billion in 1968 to \$10.1 billion in 1970, the percent of the total bill remained approximately 58 percent.

The percent distribution of charges by type of hospital service remained stable for all 3 years of the study. The approximate percent of the charges allocated to laboratory services was 11 percent, to pharmacy 7 percent, and to radiology 5 percent. Only 6 percent of the total was charged to operating and/or recovery room for each year. It must be remembered however that this charge did not include (except in very rare cases) the fee for the surgeon or the anesthesiologist. For this same reason, the dollar allocation for professional services is only 1 percent of total charges. Professional persons almost always bill the patient separately and are out of the scope of this survey. These trends were the same for both sexes for each year of the study.

Percent distributions of patients discharged and money billed by age and sex are shown in table A. In general, those discharged under 45 years used proportionately less of the total hos-

Table A. Percent distributions of discharges from short-stay hospitals and charges by sex and age: United States, 1968-70

	1	968	1	969	1970			
Sex and age	Percent	Percent of	Percent	Percent of	Percent	Percent of		
	of dis-	hospital	of dis-	hospital	of dis-	hospital		
	charges	charges	charges	charges	charges	charges		
Both sexes	100.0	100.0	100.0	100.0	100.0	100.0		
Under 15 years	16.8	9.3	16.7	9.9	16.2	9.4		
15-44 years	33.9	26.7	34.3	26.6	34.8	27.4		
45-64 years	26.1	30.7	26.2	30.8	26.2	31.2		
65 years and over	23.2	33.2	22.9	32.7	22.8	32.0		
Male	46.4	47.8	46.1	47.5	45.0	46.2		
Under 15 years	20.2	11.0	20.2	11.8	20.2	11.1		
15-44 years	29.1	24.2	29.3	23.9	29.8	25.0		
45-64 years	27.6	32.2	27.2	32.4	27.1	32.6		
65/years and over	23.1	32.5	23.3	31.9	22.9	31.3		
Female	53.2	52.0	53.8	52.4	54.9	53.7		
Under 15 years	13.8	7.8	13.7	8.1	13.0	8.0		
15-44 years	38.2	29.1	38.5	29.1	38.8	29.4		
45-64 years	24.9	29.3	25.4	29.5	25.4	30.1		
65 years and over	23.2	33.9	22.5	33.4	22.8	32.5		

pital dollars than did older patients. These trends also held true by sex. For 1970, discharges under 15 years of age accounted for 16.2 percent of all discharges but only 9.4 percent of hospital dollars charged. Forty-nine percent of the discharges were 45 years or over, yet they were billed 63.2 percent of the total hospital charges. These patterns were similar for 1968 and 1969.

Geographic Region and Bed Size of Hospital

4

The proportion of dollars billed for room and care was larger in the Northeast Region than in the other regions (table 4). This applied to the findings for all 3 years. During the same period, the South Region consistently had the smallest proportion of money charged to room and care. There was little regional variation in the percent distribution of money for laboratory, radiology, and professional services. For pharmacy, the South had the highest percent each year, nearly double the figure for the Northeast Region.

By bed size, hospitals with 1,000 beds or more had a much larger proportion of the money charged for room and care than did the smaller bed size groups (table 4). In 1968, this figure was 76.6 percent compared with 58.8 percent for all hospitals and, in 1970, 80.8 percent compared with 57.0 percent. The variation was due to the large number of fixed-rate hospitals in the largest bed size group. For hospitals with fewer than 1,000 beds, there was little variation in the percent of money billed to individual services, with the exwith 6-99 beds. For ception of the hospitals these hospitals, the proportion of money spent in pharmacy service was quite a bit higher than some of the larger size hospitals for all 3 years.

Characteristic	Length of stay in days					
	1968	1969	1970			
All stays	8.8	8.8	8.4			
Age						
Under 15 years 15-44 years 45-64 years 65 years and over	4.9 6.5 9.8 13.8	5.2 6.5 9.9 13.7	4.9 6.4 9.4 12.8			
Sex		•				
Male Female	8.9 8:7	8.9 8.8	8.5 8.3			
Region						
Northeast North Central South West	10.3 8.9 8.1 7.5	10.4 8.8 8.1 8.1	10.0 8.4 7.6 7.5			
Bed size of hospital						
6-99 beds 100-199 beds 200-299 beds 300-499 beds 500-999 beds 1,000 beds or more	7.2 8.2 9.6 9.3 10.5 12.0	7.2 7.9 9.7 9.3 10.2 11.6	6.7 7.8 9.1 8.9 9.7 11.9			

Table B. Average length of stay in shortstay hospitals by selected patient and hospital characteristics:United States, 1968-70

For the same period, the percent of money billed to operating and/or recovery room was lowest for this smallest bed size group.

OF HOSPITALIZATION

The estimated average charge per episode for patients discharged from short-stay hospitals went from \$536 in 1968 to \$693 in 1970, an increase of approximately 29 percent in 3 years (table 5). By type of service, room and care had the highest average charge (approximately \$396 in 1970) and pharmacy had the lowest average charge (\$51 per episode in 1970). Because of the effect of length of stay on average charge per episode of hospitalization, lengths of stay for the variables in this study are shown for 1968-1970 in table B. Average length of stay increased with age and the average charge for 1970 increased from \$403 per episode for patients under 15 years to \$971 for patients 65 years and over. With few exceptions, the average charge per episode increased with age for each hospital service. This was also true by sex and for each year of the study. In 1970, for example, the average laboratory charge for females rose from \$43 for those females under 15 years to \$107 for females 65 years and over.

The Northeast Region had a substantially higher average charge per episode than the other geographic regions for all 3 years, 1968-1970 (table 6). As shown in table B, the Northeast also had the longest average length of stay. The higher charges in the Northeast were concentrated in room and care, laboratory, and professional services. Although the West had the shortest length of stay, it had a higher average charge per episode than both the North Central or the South. For 1970 the average charge per episode was \$888 in the Northeast, \$677 in the North Central, \$548 in the South, and \$737 in the West Region.

By bed size, the average charge per episode generally increased as hospital size increased. In 1970, the average overall charge per episode was \$431 for the smallest hospitals and \$1,289 for the largest ones. This pattern was due to the average length of stay increasing with size of hospital, as shown in table B, and also to the increased specialization of services in larger hospitals. Room and care and professional services showed the most marked increases for all 3 years. In 1970, room and care increased from \$224 to \$1,042, and professional services increased from \$29 to \$256 per episode as bed size increased.

AVERAGE CHARGE PER DAY OF HOSPITALIZATION

The estimated average daily charge for all patients covered in this report was \$61 in 1968, \$70 in 1969, and \$82 in 1970 (table 7). This was an increase of 34 percent in the 3 years of the study. Hospitalization charges were twice as high per day for stays of 1 day or less as for stays of

31 days or more. In 1970, the average daily charge for stays of 1 day or less was \$144. This figure tapered off to \$82 for the 5th day and remained at about that level through the 30th day. The average daily charge for patients staying longer than 30 days was about 10 percent lower than for patients with shorter stays. This same pattern of charges was evident for each year, 1968-1970.

Patients 65 years and over had the lowest average daily charge for all lengths of stay combined. In 1970, the estimate for females 65 years and over was \$73 per day compared with \$81 per day for females of all ages. Over the 3-year period charges increased fairly consistently for both sexes and all age groups. These increases averaged \$20 to \$25 per day of hospitalization. For example, the estimated average daily charge for males under 15 years increased from \$60 in 1968 to \$79 in 1970 (table 7).

The West had the highest daily charge of any geographic region for all 3 years. From \$73 per day in 1968 it increased to \$98 in 1970 (table 8). During this same period, the South had the lowest overall daily charges, estimated at \$52 for 1968 and \$72 for 1970. Figure 1 shows the increase in daily charges by geographic region over the 3year period. The South increased \$20 per day, and the West \$25 per day from 1968 to 1970. By bed size, the estimates of average charge per day generally increased as hospital size increased. In 1968, the average daily charge for the smallest hospitals was \$47 and for the largest hospitals \$71. For 1970, the average charge for the smallest hospitals had risen to \$64 per day and for the largest hospitals to \$108 per day.

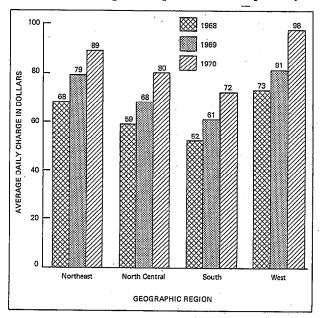


Figure 1. Average charge per day of hospitalization in short-stay hospitals, by geographic region: United States, 1968-1970.

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Table 1. Number and percent of discharges from short-stay hospitals, by sex and age of patient and type of hospital service: United States, 1968-70

<u></u>								
Sex and age	All discharges	Room and care	Laboratory	Pharmacy	Radiology	Operating and/or recovery room	Professional services	Other services
1970								
Both sexes ¹				Number i	n thousands			
All ages	25 590 1	25,506	24,268	23,129	17,333	11,311	4,090	23,138
All ages-control	25,580	23,500	24,200	23,129		11,311	4,090	
Under 15 years 15-44 years	4,153 8,893	4,140 8,848	3,960 8,240	3,520 7,841 6,198	2,409 5,360	2,050 4,452 2,943	580 1,354	3,574 7,924 6,166
45-64 years 65 years and over	6,696 5,839	6,680 5,838	6,407 5,662	6,198 5,571	4,992 4,572	2,943 1,865	1,086 1,070	6,166 5,474
Male								
All ages	11,510	11,484	10,853	10,266	8,060	4,751	1,795	10,290
Under 15 years 15-44 years	2,319 3,435	2,313 3,425	2,207 3,170	1,952 2,984	1,341	1,125	323 515	1,982 3,023
45-64 years	3,121	3,113	2,932	2,834	2,285	1,538 1,207	485	2,823
65 years and over	2,635	2,634	2,545	2,496	2,042	882	472	2,462
Female						6 - 00		
A11 ages	14,032	13,984	13,378	12,828	9,247	6,539	2,284	12,813
Under 15 years 15-44 years	1,827 5,442	1,821 5,407	1,746 5,054	1,562 4,842	1,053 3,064	921 2,905	252 834	1,586 4,885
45-64 years 65 years and over	3,565 3,198	5,407 3,558 3,198	3,466 3,112	4,842 3,355 3,069	2,606 2,525	1,731 982	600 597	4,885 3,334 - 3,008
				•		•	•	,
Both sexes ¹				Perce	ent ²			
A11 ages	100.0	99.7	94.9	90.4	67.8	44.2	16.0	90.5
Under 15 years 15-44 years	100.0 100.0	99.7 99.5	95.4 92.7	84.8 88.2	58.0 60.3	49.4 50.1	14.0 15.2	86.1 89.1
45-64 years	100.0 100.0	99.8 100.0	95.7 97.0	92.6 95.4	74.5	44.0 31.9	16.2 18.3	92.1 93.8
-	100.0	100.0	57.0	· ···	70.5	51.9	10,5	33.0
<u>Male</u>	100.0	00.9	94.3	80.2	70.0			
All ages	100.0	99.8	94.3	89.2	70.0	41.3	15.6	89.4
Under 15 years	100.0	99.7	95.2	84.2	57.8	48.5	13.9	85.5
15-44 years 45-64 years	100.0 100.0	99.7 99.7	92.3 93.9	86.9 90.8	66.5 76.3	44.8 38.7	15.0 15.5	88.0 90.4
65 years and over	100.0	100.0	96.6	94.7	77.5	33.5	17.9	93.4
Female								
All ages	100.0	99.7	95.3	91.4	65.9	46.6	16.3	91.3
Under 15 years 15-44 years	100.0 100.0	99.7 99.4	95.6 92.9	85.5 89.0	57.6 56.3	50.4 53.4	13.8 15.3	86.8 89.8
45-64 years 65 years and over	100.0	99.8 100.0	97.2 97.3	94.1 96.0	73.1 79.0	48.6	16.8 18.7	93.5 94.1
of years and over	. 200.0	1 200.0	, <i>)</i> ,,,	, ,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	1. 10.7	, ,,,,,

[Excludes Federal hospitals, deliveries, and newborn infants]

See footnotes at end of table.

Table 1. Number and percent of discharges from short-stay hospitals, by sex and age of patient and type of hospital service: United States, 1968-70-Con.

- '								
Sex and age	All discharges	Room and care	Laboratory	Pharmacy	Radiology	Operating and/or recovery room	Professional services	Other services
<u></u> <u>1969</u>	,					<u></u>		
Both sexes ¹				Number in	thousands			
All ages	25,003	24,913	23,640	22,612	16,670	10,799	3,843	22,265
Under 15 years 15-44 years 45-64 years 65 years and over	4,164 8,564 6,547 5,728	4,155 8,515 6,519 5,724	3,953 7,900 6,239 5,547	3,575 7,558 6,042 5,437	2,386 5,090 4,783 4,412	2,050 4,159 2,800 1,790	627 1,233 1,033 949	3,521 7,532 5,941 5,270
Male								
All ages	11,524	11,473	.10,790	10,253	7,872	4,659	1,771	10,139
Under 15 years 15-44 years 45-64 years 65 years and over	2,322 3,381 3,133 2,688	2,318 3,357 3,114 2,684	2,198 3,076 2,933 2,583	1,997 2,909 2,827 2,519	1,337 2,211 2,274 2,051	1,154 1,458 1,185 862	347 503 474 • 448	1,965 2,919 2,799 2,457
Female								
All ages	13,450	13,411	12,822	12,331	8,776	6,123	2,061	12,101
Under 15 years 15-44 years 45-64 years 65 years and over	1,837 5,172 3,410 3,031	1,832 5,148 3,401 3,030	1,750 4,815 3,302 2,955	1,573 4,639 3,211 2,908	1,045 2,871 2,506 2,354	893 2,694 1,613 922	279 726 559 498	1,552 4,606 3,139 2,805
<u>Both sexes¹</u>				Perc	ent ²			
A11 .ages	100.0	99.6	94.6	90.4	66.7	43.2	15.4	89.1
Under 15 years 15-44 years 45-64 years 65 years and over	100.0 100.0 100.0 100.0	99.8 99.4 99.6 99.9	94.9 92.3 95.3 96.8	85.9 88.3 92.3 94.9	57.3 59.4 73.1 77.0	49.2 48.6 42.8 31.3	15.1 14.4 15.8 16.6	84.6 88.0 90.8 92.0
Male								
All ages	100.0	99.6	93.6	89.0	68.3	40.4	15.4	88.0
Under 15 years 15-44 years 45-64 years 65 years and over	100.0 100.0 100.0 100.0	99.8 99.3 99.4 99.9	94.7 91.0 93.6 96.1	86.0 86.1 90.3 93.7	57.6 65.4 72.6 76.3	49.7 43.1 37.8 32.1	14.9 14.9 15.1 16.7	84.6 86.3 89.4 91.4
Female								
All ages	100.0	99.7	95.3	91.7	65.3	45.5	15.3	90.0
Under 15 years 15-44 years 45-64 years 65 years and over	100.0 100.0 100.0 100.0	99.7 99.5 99.7 100.0	95.3 93.1 96.8 97.5	85.6 89.7 94.2 96.0	56.9 55.5 73.5 77.7	48.6 52.1 47.3 30.4	15.2 14.0 16.4 16.4	84.5 89.0 92.0 92.5

[Excludes Federal hospitals, deliveries, and newborn infants]

See footnotes at end of table.

Table 1. Number and percent of discharges form short-stay hospitals, by sex and age of patient and type of hos-pital service: United States, 1968-70-Con.

Operating Room Professional Other A11 and/or Radiology and Sex and age Laboratory Pharmacy discharges services recovery services care room 1968 Both sexes¹ Number in thousands A11 ages³-----21,479 10,458 2,756 24,531 24,471 23,100 22,049 15,164 3,346 7,213 5,732 5,181 3,881 7,660 6,076 5,478 3,485 7,302 5,870 5,387 2,012 4,021 2,682 1,740 Under 15 years------4,112 4,102 2,090 396 8,301 6,386 5,676 4,549 4,398 4,123 8,326 6,410 5,678 811 685 65 years and over-----864 Male All ages³.----1,310 9<u>,826</u> 11,370 11,351 10,603 10,071 7,280 4,513 2,164 3,008 2,924 2,503 2,291 3,313 3,138 2,284 3,308 3,133 1,929 2,855 2,824 2,459 1,173 2,042 2,180 1,866 1,115 216 Under 15 years-----362 332 2,817 2,769 2,370 15-44 years------45-64 years------1,403 1,166 65 years and over-----2,623 2,623 1,883 828 400 <u>Female</u> All ages³ -----13,102 13,061 12,441 11,925 7,848 5,922 1,437 11,601 1,706 4,639 3,138 2,957 Under 15 years-----15-44 years-----1,809 4,998 3,257 3,037 1,806 4,979 3,239 3,035 1,545 4,433 3,033 2,913 1,470 4,383 2,951 2,795 178 450 913 891 2,498 2,209 2,226 2,613 1,512 906 45-64 years-----348 65 years and over-----462 Both sexes Percent² A11 ages³ -----100.0 | 99.8 94.2 89.9 61.8 42.6 11.2 87.6 Under 15 years-----100.0 99.8 94.4 84.8 50.8 48.9 9.6 81.4 99.7 99.6 100.0 92.0 94.8 87.7 86.6 89.4 91.2 $100.0 \\ 100.0$ 15-44 years------54.6 48.3 9.7 45-64 years------68.6 41.8 10.7 65 years and over-----30.7 96.5 94.9 72.6 15.2 100.0 Male All ages³-----100.0 99.8 93.2 88.6 64.0 39.7 11.5 86.4 99.7 99.8 99.8 9.4 10.9 10.6 100.0 94.5 90.8 93.2 84.2 86.2 90.0 48.7 42.3 37.2 81.4 Under 15 years-----51.2 85.0 88.2 90.3 15-44 years------45-64 years-----100.0 61.6 69.5 71.8 65 years and over-----100.0 100.0 95.4 93.7 31.6 15.3 Female All ages³-----100.0 99.7 95.0 91.0 59.9 45.2 11.0 88.5 81.3 87.7 90.6 92.0 Under 15 years ------100.0 99.8 94.3 85.4 50.5 49.3 9.8 50.0 67.8 73.3 15-44 years------45-64 years------100.0 100.0 99.6 99.5 52.3 46.4 92.8 88.7 9.0 96.4 93.1 95.9 10.7 15.2 65 years and over-----100.0 100.0 97.4 29.8

[Excludes Federal hospitals, deliveries, and newborn infants]

 $^1_2 {\rm Includes}$ sex not stated. Percents indicate proportion of discharges, by age and sex, with specified services. $^3 {\rm Includes}$ age not stated.

Table 2. Number and percent of discharges from short-stay hospitals, by geographic region, bed size of hospital, and type of hospital service: United States, 1968-70

<u></u>	······							
Geographic region and bed size	All d <u>is</u> charges	Room and care	Laboratory	Pharmacy	Radiology	Operating and/or recovery room	Professional services	Other services
<u>1970</u>	`		· · · · · · · · · · · · · · · · · · ·	Number in	thousands			
All hospitals	25,580	25,506	24,268	23,129	17,333	11,311	4,090	23,138
Region								
Northeast	5,761	5,758	5,319	4,960	4,030	2,846	599	4,954
North Central	8,251	8,246	7,954	7,519	5,914	3,703	1,623	7,716
South	7,899	7.889	7,573	7,465	5,292	3,132	1,131	7,416
West	3,670	3,613	3,422	3,185	2,097	1,630	738	3,052
	5,070	3,013			_,			
Bed size		•						
6-99 beds	5,583	5,579	5,320	5,199	3,657	1,647	533	5,150
100-199 beds	5,411	5,406	5,193	5,063	3,628	2,434	940	5,070
200-299 beds	2,955	2,900	2,895	2,603	2,148	1,409	. 384	2,578
300-499 beds	6,942	6,935	6,602	6,273	4,847	3,554	1,665	6,304
500-999 beds	• 4,314	4,311	4,129	3,871	2,954	2,200	493	3,930
1,000 beds or more	376	375	131	119	99	67	74	107
		-		Perce	ent ¹			· ·
All hospitals	100.0	99.7	94.9	90.4	67.8	44.2	16.0	90.5
Region			-			}		
Region								
Northeast	100.0	99.9	92.3	86.1	70.0	49.4	10.4	86.0
North Central	100.0	100.0	96.4	91.1	71.7	44.9	19.7	93.5
South	100.0	99.9	95.9	94.5	67.0	39.7	14.3	
West	100.0	98.5	93.3	86.8	57.1	44.4	20.1	83.2
Bed size								
6-99 beds	100.0	99.9	95.3	93.1	65.5	29.5	9.6	92.2
100-199 beds	100.0	99.9	96.0	93.6	67.0	45.0	17.4	93.7
200-299 beds	100.0	98.1	97.9	88.1	72.7	47.7	13.0	87.2
300-499 beds	100.0	99.9	95.1	90.4	69.8	51.2	24.0	90.8
500-999 beds	100.0	100.0	95.7	89.7	68.5	51.0	11.4	91.1
1,000 beds or more	100.0	99.8	34.8	31.7	26.3	17.9	19.7	28.5

[Excludes Federal hospitals, deliveries, and newborn infants]

See footnotes at end of table.

Table 2. Number and percent of discharges from short-stay hospitals, by geographic region, bed size of hospital, and type of hospital service: United States, 1968-70-Con.

Geographic region and bed size	All discharges	Room and care	Laboratory	Pharmacy	Radiology	Operating and/or recovery room	Professional services	Other services
1969				Number in	thousands		-	· ·
All hospitals	25,003	24,913	23,640	22,612	16,670	10,799	3,843	22,265
Region								
Northeast	5,508	5,478	5,052	4,742	3,834	2,641	555	4,617
North Central	8,102	8,091	7,804	7,398	5,727	3,642	1,519	7,511
South	7,774	7,768	7,443	7,334	5,072	3,040	1,163	7,226
West	3,620	3,575	3,341	3,138	2,036	1,477	604	2,910
Bed size								
6-99 beds	5,437	5,407	5,135	5,076	3,355	1,543	647	4,942
100-199 beds	5,005	4,999	4,778	4,652	3,390	2,125	690	4,562
200-299 beds	3,219	3,176	3,149	2,875	2,256	1,524	373	2,836
300-499 beds	8,118	8,117	7,761	7,439	5,552	4,141	1,807	7,339
500-999 beds	2,749	2,739	2,605	2,377	1,962	1,369	268	2,401
1,000 beds or more	474	474	213	194	155	98	58	185
				Perce	nt ¹			
All hospitals	100.0	99.6	94.6	90.4	66.7	43.2	15.4	89.1
Region								
Northeast	100.0	99.5	91.7	86.1	69.6	47.9	10.1	83.8
North Central	100.0	99.9	96.3	91.3	70.7	45.0	18.8	92.7
South	100.0	99.9	95.7	94.3	65.3	39.1	15.0	93.0
West	100.0	98.8	92.3	86.7	56.2	40.8	16.7	80.4
Bed size								ж. н. <u>.</u>
6-99 beds	100.0	99.4	94.4	93.4	61.7	28.4	11.9	90.9
100-199 beds	100.0	99.9	95.5	93.0	67.7	42.5	13.8	91.2
200-299 beds	100.0	98.7	97.8	89.3	70.1	47.3	11.6	88.1
300-499 beds	100.0	100.0	95.6	91.6	68.4	51.0	22.3	90.4
500-999 beds	100.0	99.6	94.8	86.5	71.4	49.8	9.7	87.3
1,000 beds or more	100.0	100.0	44.8	40.8	32.6	20.8	12.2	39.0

[Excludes Federal hospitals, deliveries, and newborn infants]

See footnotes at end of table.

Table 2. Number and percent of discharges from short-stay hospitals, by geographic region, bed size of hospital, and type of hospital service: United States, 1968-70-Con.

Geographic region and bed size	All discharges	Room and care	Laboratory	Pharmacy	Radiology	Operating and/or recovery room	Professional services	Other services
1968				Number in	thousands			· ·
All hospitals	24,531	24,471	23,100	22,049	15,164	10,458	2,756	21,479
Region								• •
Northeast North Central South West	5,436 7,783 7,775 3,537	5,436 7,779 7,772 3,485	4,986 7,452 7,441 3,221	4,653 7,034 7,313 3,048	3,518 5,083 4,717 1,846	2,675 3,385 2,946 1,452	445 706 1,037 567	4,501 7,155 7,122 2,700
Bed size								
6-99 beds 100-199 beds 200-299 beds 300-499 beds 500-999 beds 1,000 beds or more	5,878 5,221 3,933 6,569 2,416 514	5,877 5,221 3,881 6,568 2,412 513	5,541 5,080 3,751 6,177 2,310 241	5,498 4,916 3,460 5,926 2,068 180	3,541 3,375 2,403 4,069 1,633 142	1,687 2,297 1,942 3,241 1,183 108	545 715 303 805 354 234	5,239 4,809 3,301 5,839 2,088 201
				Perce	nt ¹			
All hospitals	100.0	99.8	94.2	89.9	61.8	42.6	11.2	87.6
Region				-				
Northeast North Central South West	100.0 100.0 100.0 100.0	100.0 99.9 100.0 98.5	91.7 95.7 95.7 91.1	85.6 90.4 94.1 86.2	64.7 65.3 60.7 52.2	49.2 43.5 37.9 41.0	8.2 9.1 13.3 16.0	82.8 91.9 91.6 76.3
Bed size 6-99 beds 100-199 beds 200-299 beds 300-499 beds 500-999 beds or more 1,000 beds or more	100.0 100.0 100.0 100.0 100.0 100.0	100.0 100.0 98.7 100.0 99.8 99.8	94.3 97.3 95.4 94.0 95.6 46.8	93.5 94.2 88.0 90.2 85.6 35.1	60.2 64.6 61.1 61.9 67.6 27.7	28.7 44.0 49.4 49.3 49.0 20.9	9.3 13.7 7.7 12.3 14.7 ² 6.6	89.1 92.1 83.9 88.9 86.4 39.2

[Excludes Federal hospitals, deliveries, and newborn infants]

¹Percents indicate proportion of discharges, by geographic region and bed size of hospital, with specified services. ²Caution should be excerised in the use of this figure since the relative standard error of the estimated number of discharges exceeds 25 percent. Table 3. Total charges and percent distribution for discharges from short-stay hospitals by type of hospital service, according to sex and age of patient: United States, 1968-70

	1	<u></u>		<u> </u>					
Sex and age	All discharges	Room and care	Laboratory	Pharmacy	Radiology	Operating and/or recovery room	Pro- fessional services	Other services	
<u>1970</u>									
Both sexes ¹			Char	ge in mill	ions of dol.	lars			
All ages	17,735	10,111	2,009	1,171	937	1,187	214	2,106	
Under 15 years 15-44 years 45-64 years 65 years and over	1,673 4,860 5,533 5,669	901 2,691 3,089 3,430	168 536 675 630	81 313 368 409	86 270 307 274	175 444 347 221	19 57 66 72	243 549 681 633	
<u>Male</u>		,							
All ages	8,196	4,675	961	557	444	527	95	937	
Under 15 years 15-44 years 45-64 years 65 years and over	908 2,051 2,668 2,569	512 1,159 1,503 1,501	92 218 354 297	46 131 184 197	48 124 152 121	100 169 150 109	11 24 29 32	99 226 296 312	
Female									
All ages	9,516	5,424	1,045	612	491	657	119	1,168	
Under 15 years 15-44 years 45-64 years 65 years and over	761 2,798 2,860 3,096	387 1,526 1,584 1,927	76 316 321 333	35 181 184 212	38 145 155 153	75 273 196 112	8 33 37 40	142 324 380 319	
<u>Both sexes¹</u>				Percent di	stribution		•		
All ages	100.0	57.0	11.3	6.6	5.3	6.7	1.2	11.9	
Under 15 years 15-44 years 45-64 years 65 years and over	100.0 100.0 100.0 100.0	53.9 55.4 55.8 60.5	10.1 11.0 12.2 11.1	4.8 6.4 6.7 7.2	5.1 5.6 5.6 4.8	10.5 9.1 6.3 3.9	1.1 1.2 1.2 1.3	14.6 11.3 12.3 11.2	
Male					•				
All ages	100.0	57.0	11.7	6.8	5.4	6.4	1.2	11.5	
Under 15 years 15-44 years 45-64 years 65 years and over	100.0 100.0 100.0 100.0	56.4 56.5 56.3 58.4	10.1 10.7 13.3 11.6	5.1 6.4 6.9 7.7	5.3 6.1 5.7 4.7	11.0 8.2 5.6 4.2	1.2 1.2 1.1 1.2	10.9 11.1 11.1 12.2	
Female					-				
All ages	100.0	57.0	11.0	6.4	5.2	6.9	1.3	12.3	
Under 15 years 15-44 years 45-64 years 65 years and over	100.0 100.0 100.0 100.0	50.9 54.6 55.4 62.2	10.0 11.3 11.2 10.7	4.6 6.5 6.4 6.8	5.0 5.2 5.4 4.9	9.9 9.8 6.9 3.6	1.1 1.2 1.3 1.3	18.7 11.6 13.3 10.3	

[Excludes Federal hospitals, deliveries, and newborn infants]

See footnotes at end of table.

Table 3. Total charges and percent distribution for discharges from short-stay hospitals by type of hospital service, according to sex and age of patient: United States, 1968-70-Con.

							,	
Sex and age	All discharges	Room and care	Laboratory	Pharmacy	Radiology	Operating and/or recovery room	Pro- fessional services	Other services
<u>1969</u>							-	
<u>Both sexes</u> ¹			Char	ge in mill	ions of dol	lars		
All ages	15,548	9,072	1,749	1,073	835	966	188	1,665
Under 15 years 15-44 years 45-64 years 65 years and over	1,534 4,139 4,794 5,081	857 2,322 2,774 3,119	157 461 576 554	77 279 335 381	82 240 272 241	152 351 283 180	19 55 59 56	190 431 495 550
<u>Male</u>	· ·							
All ages	7,379	4,244	844	513	402	437	90	849
Under 15 years 15-44 years 45-64 years 65 years and over	872 1,761 2,390 2,355	485 989 1,380 1,390	88 191 298 267	45 119 168 181	47 111 134 110	· 133 126 88	11 24 28 28	106 194 256 291
Female								
All ages	8,148	4,816	903	557	433	527	98	814
Under 15 years 15-44 years 45-64 years 65 years and over	658 2,372 2,400 2,717	369 1,330 1,392 1,725	69 270 - 278 287	32 160 167 199	35 129 138 131	62 217 156 92	8 31 31 28	83 235 238 255
Both sexes ¹				Percent di	stribution	•		
All ages	100.0	58.4	11.3	6.9	5.4	6.2	1.2	10.7
Under 15 years 15-44 years 45-64 years 65 years and over	100.0 100.0 100.0 100.0	55.9 56.1 57.9 61.4	10.2 11.1 12.0 10.9	5.0 6.7 7.0 7.5	5.3 5.8 5.7 4.8	9.9 8.5 5.9 3.6	1.2 1.3 1.2 1.1	12.4 10.5 10.4 10.9
Male								
All ages	100.0	57.5	11.4	7.0	5.4	5.9	1.2	11.5
Under 15 years 15-44 years 45-64 years 65 years and over	100.0 100.0 100.0 100.0	55.6 56.1 57.7 59.0	10.1 10.8 12.5 11.3	5.2 6.8 7.0 7.7	5.4 6.3 5.6 4.7	10.3 7.6 5.3 3.7	1.3 1.4 1.2 1.2	12.2 11.1 10.8 12.4
Female								
All ages	100.0	59.1	11.1	6.8	5.3	6.5	1.2	10.0
Under 15 years 15-44 years 45-64 years 65 years and over	100.0 100.0 100.0 100.0	56.1 56.1 58.0 63.5	10.5 11.4 11.6 10.6	4.9 6.7 7.0 7.3	5.3 5.5 5.7 4.8	9.4 9.1 6.5 3.4	1.2 1.3 1.3 1.1	12.7 9.9 10.0 9.4

[Excludes Federal hospitals, deliveries, and newborn infants]

See footnotes at end of table.

Table 3. Total charges and percent distribution for discharges from short-stay hospitals by type of hospital serv-ice, according to sex and age of patient: United States, 1968-70-Con.

Sex and age	All discharges	Room and care	Laboratory	Pharmacy	Radiology	Operating and/or recovery room	Pro- fessional services	Other services
<u>1968</u>								
Both sexes ¹			Char	ge in mill	ions of dol.	lars		
A11 ages ²	13,154	7,732	1,500	966	693	795	146	1,322
Under 15 years 15-44 years 45-64 years 65 years and over	1,227 3,518 4,039 4,367	702 1,987 2,342 2,699	134 398 485 483	67 255 299 344	65 197 226 204	122 295 230 148	14 40 37 54	123 346 420 435
<u>Male</u> All ages ²	6,285	3,652	730	463	333	358	74	675
Under 15 years 15-44 years 45-64 years 65 years and over	694 1,521 2,025 2,042	401 872 1,162 1,216	73 165 255 237	37 108 151 167	36 91 114 93	68 110 105 75	8 18 18 31	71 157 220 223
Female								
All ages ²	6,836	4,061	766	500	357	-435	- 71	646
Under 15 years 15-44 years 45-64 years 65 years and over	531 1,991 2,000 2,315	300 1,112 1,172 1,476	61 232 229 244	30 147 147 177	29 105 112 111	54 185 125 72	7 23 19 23	50 187 196 212
Both sexes ¹		`		Percent di	stribution			
All ages ²	100.0	58.8	11.4	7.3	5.3	6.0	1.1	10.1
Under 15 years 15-44 years 45-64 years 65 years and over	100.0 100.0 100.0 100.0	57.2 56.5 58.0 61.8	10.9 11.3 12.0 11.1	5.5 7.2 7.4 7.9	5.3 5.6 5.6 4.7	9.9 8.4 5.7 3.4	1.1 1.1 0.9 1.2	10.1 9.8 10.4 10.0
Male								
All ages ²	100.0	58.1	11.6	7.4	5.3	5.7	1.2	10.7
Under 15 years 15-44 years 45-64 years 65 years and over	100.0 100.0 100.0 100.0	57.8 57.3 57.4 59.6	10.5 10.8 12.6 11.6	5.3 7.1 7.5 8.2	5.2 6.0 5.6 4.5	9.8 7.2 5.2 3.7	1.2 1.2 0.9 1.5	10.3 10.3 10.9 10.9
Female				•				
All ages ²	100.0	59.4	11.2	7.3	5.2	6.4	1.0	9.5
Under 15 years 15-44 years 45-64 years 65 years and over	100.0 100.0 100.0 100.0	56.5 55.8 58.6 63.8	11.5 11.7 11.4 10.6	5.6 7.4 7.3 7.6	5.5 5.3 5.6 4.8	10.2 9.3 6.2 3.1	1.3 1.1 1.0 1.0	10.3 9.5 9.8 9.2

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[Excludes Federal hospitals, deliveries, and newborn infants]

¹Includes sex not stated. Includes age not stated.

Table 4. Total charges and percent distribution for discharges from short-stay hospitals by type of hospital service, according to geographic region and bed size of hospital: United States, 1968-70

[Excludes Federal hospitals, deliveries, and newborn infants]

Geographic region and bed size	All discharges	Room and care	Laboratory	Pharmacy	Radiology	Operating and/or recovery room	Pro- fessional services	Other services
<u>1970</u>			Char	C ge in mill	ions of dol	lars		
All hospitals	17,735	214	1,798					
Region								
Northeast North Central South West	5,119 5,586 4,326 2,705	3,184 3,125 2,279 1,522	591 618 517 284	233 402 377 159	284 285 241 127	318 377 287 205	87 44 48 35	422 735 577 373
Bed size 6-99 beds 100-199 beds 200-299 beds 300-499 beds 500-999 beds 1,000 beds or more	2,405 3,159 2,369 5,462 3,856 484	1,247 1,778 1,422 3,093 2,180- 391	259 369 276 603 476 27	227 234 132 326 242 9	148 167 125 290 195 12	132 191 177 401 274 12	15 42 22 86 29 19	267 378 215 663 460 14
				Percent d	istribution	L		
All hospitals	100.0	57.0	11.3	6.6	5,3	6.7	1.2	10.1
Region								
Northeast North Central South West	100.0 100.0 100.0 100.0	62.2 55.9 52.7 .56.3	11.5 11.1 12.0 10.5	4.6 7.2 8.7 5.9	5.5 5.1 5.6 4.7	6.2 6.7 6.6 7.6	1.7 0.8 1.1 1.3	8.2 13.2 13.3 13.8
<u>Bed size</u>								
6-99 beds 100-199 beds 200-299 beds 300-499 beds 500-999 beds 1,000 beds or more	100.0 100.0 100.0 100.0 100.0 100.0	51.9 56.3 60.0 56.6 56.5 80.8	10.8 11.7 11.7 11.0 12.3 5.6	9.4 7.4 5.6 6.0 6.3 1.9	6.2 5.3 5.3 5.3 5.1 2.5	5.5 6.0 7.5 7.3 7.1 2.5	0.6 1.3 0.9 1.6 0.8 3.9	11.1 12.0 9.1 12.1 11.9 2.9

Table 4. Total charges and percent distribution for discharges from short-stay hospitals by type of hospital service, according to geographic region and bed size of hospital: United States, 1968-70-Con.

[Excludes Federal hospitals, deliveries, and newborn infants]

								
Geographic region and bed size	All discharges	Room and care	Laboratory	Pharmacy	Radiology	Operating and/or recovery room	Pro- fessional services	Other services
<u>1969</u>			O Char	ge in mill	ions of dol	lars		
All hospitals	15,548	9,072	1,749	1,073	835	966	188	1,557
Region						· · ·		
Northeast North Central South West	4,515 4,834 3,830 2,370	2,841 2,727 2,086 1,418	527 549 436 237	215 360 351 147	252 260 208 114	254 311 227 173	83 37 40 28	343 590 482 253
Bed size								
6-99 beds 100-199 beds 200-299 beds 300-499 beds 500-999 beds 1,000 beds or more	2,032 2,487 2,347 5,719 2,476 488	1,121 1,388 1,435 3,312 1,430 386	215 290 270 625 318 31	221 208 132 371 131 11	118 145 123 300 136 13	97 150 144 404 159 12	22 29 23 79 23 14	239 277 220 628 279 21
				Percent di	stribution			
All hospitals	100.0	58.3	11.2	6.9	5.4	6.2	1.2	10.0
Region								
Northeast North Central South West	100.0 100.0 100.0 100.0	62.9 56.4 54.5 59.8	11.7 11.4 11.4 10.0	4.8 7.4 9.2 6.2	5.6 5.4 5.4 4.8	5.6 6.4 5.9 7.3	1.8 0.8 1.0 1.2	7.6 12.2 12.6 10.7
Bed size								
6-99 beds 100-199 beds 200-299 beds 300-499 beds 500-999 beds 1,000 beds or more	$ \begin{array}{c} 100.0\\ 100.0\\ 100.0\\ 100.0\\ 100.0\\ 100.0\\ 100.0 \end{array} $	55.2 55.8 61.1 57.9 57.8 79.1	10.6 11.7 11.5 10.9 12.8 6.4	10.9 8.4 5.6 6.5 5.3 2.3	5.8 5.8 5.2 5.2 5.5 2.7	4.8 6.0 6.1 7.1 6.4 2.5	1.1 1.2 1.0 1.4 0.9 2.9	11.8 11.1 9.4 11.0 11.3 4.3

Table 4. Total charges and percent distribution for discharges from short-stay hospitals by type of hospital service, according to geographic region and bed size of hospital: United States, 1968-70-Con.

[Excludes Federal hospitals, deliveries, and newborn infants]

.

Geographic region and bed size	All discharges	Room and care	Laboratory	Pharmacy	Radiology	Operating and/or recovery room	Pro- fessional services	Other services
1968			Char	ge in mill	ions of dol	lars		
All hospitals	13,154	7,732	1,500	966	693	795	146	1,322
Region								
Northeast North Central South West	3,798 4,113 3,307 1,937	2,351 2,377 1,850 1,154	459 469 367 205	193 322 314 136	211 214 177 90	219 247 192 138	60 16 38 32	305 468 369 182
Bed size	1.072	1 000	200	007		1.00		
6-99 beds 100-199 beds 200-299 beds 300-499 beds 500-999 beds 1,000 beds or more	1,973 2,453 2,491 3,977 1,822 438	1,082 1,387 1,536 2,361 1,030 336	220 295 252 457 244 32	227 206 141 267 116 9	117 144 122 200 100 11	103 139 164 260 120 10	13 26 26 58 17 6	214 256 250 374 195 34
			· Pe	rcent dist	ribution			*
All hospitals	100.0	58.8	11.4	7.3	5.3	6.0	1.1	10.1
Region								
Northeast North Central South West	100.0 100.0 100.0 100.0	61.9 57.8 56.0 59.6	12.1 11.4 11.1 10.6	5.1 7.8 9.5 7.0	5.6 5.2 5.4 4.7	5.8 6.0 5.8 7.1	1.6 0.4 1.2 1.7	8.0 11.4 11.1 9.4
Bed size								
6-99 beds 100-199 beds 200-299 beds 300-499 beds 500-999 beds 1,000 beds or more	100.0 100.0 100.0 100.0 100.0 100.0	54.8 56.6 61.7 59.4 56.5 76.6	11.2 12.0 10.1 11.5 13.4 7.3	11.5 8.4 5.7 6.7 6.4 2.0	5.9 5.9 4.9 5.0 5.5 2.4	5.2 5.7 6.6 6.5 6.6 2.2	0.7 1.1 1.0 1.5 0.9 1.5	10.8 10.4 10.0 9.4 10.7 7.9

Table 5. Average charge per episode of hospitalization in short-stay hospitals, by sex and age of patient and type of hospital service: United States, 1968-70

			derai nospitais, de	inveries, and nev	woorn miantsj			<u></u>
Sex and age	All discharges	Room and care	Laboratory	Pharmacy	Radiology	Operating and/or recovery	Profes- sional services	Other services
1970						1		
<u>Both sexes</u> ¹				Charge in	dollars			
All ages	693	396	83	51	54	105	52	78
Under 15 years 15-44 years 45-64 years 65 years and over	403 547 826 971	218 304 462 588	42 65 105 111	23 40 59 73	36 50 62 60	85 100 118 119	32 42 61 67	46 61 91 108
Male								
All ages	712	407	89	54	55	111	53	84
Under 15 years 15-44 years 45-64 years 65 years and over	392 597 855 975	222 338 483 570	42 69 121 117	23 44 65 79	36 54 64 59	89 110 124 123	33 47 59 67	47, 67 100 118
Female								
A11 ages	678	388	78	48	53	100	52	73
Under 15 years 15-44 years 45-64 years 65 years and over	417 514 802 968	212 282 445 602	43 63 93 107	23 37 55 69	36 47 60	81 94 113 114	31 40 62 67	46 57 83 100
1969								
Both sexes ¹				Charge in	dollars			r.
All ages	622	364	74	47	50	89	49	70
Under 15 years 15-44 years 45-64 years 65 years and over	368 483 732 887	206 273 425 545	40 58 92 100	22 37 55 70	34 47 57 55	74 84 101 101	30 44 57 59	50 53 78 97
Male								
All ages	640	370	78	50	51	94	51	77
Under 15 years 15-44 years 45-64 years 65 years and over	376 521 763 876	209 295 443 518	40. 62 102 103	23 41 59 72	35 50 59 54	78 91 107 102	32 47 58 62	52 61 85 108
Female								
All ages	606	359	70	. 45	. 49	86	48	64
Under 15 years 15-44 years 45-64 years 65 years and over	358 459 704 897	202 258 409 569	39 56 84 97	20 34 52 68	34 45 55 56	69 80 97 100	28 42 56 57	48 49 72 88

[Excludes Federal hospitals, deliveries, and newborn infants]

See footnotes at end of table.

Table 5. Average charge per episode of hospitalization in short-stay hospitals, by sex and age of pa-tient and type of hospital service: United States, 1968-70-Con.

Sex and age	All discharges	Room and care	Laboratory	Pharmacy	Radiology	Operating and/or recovery	Profes- sional services	Other services
<u>1968</u>								
<u>Both sexes</u> ¹				Charge in	dollars			
All ages ²	536	316	65	44	46	76	53	62
Under 15 years 15-44 years 45-64 years 65 years and over	298 423 630 769	171 239 367 475	34 52 80 88	19 35 51 64	31 43 51 50	61 73 86 85	36 50 54 63	35 48 73 84
<u>Male</u> All ages ²	553	322	69	46	46	79	57	69
Under 15 years 15-44 years 45-64 years 65 years and over	303 459 645 778	175 263 371 464	30 55 87 95	19 38 53 68	31 44 52 49	61 78 90 91	36 49 54 78	36 56 79 94
<u>Female</u> All ages ²	522	311	62	42	46	74	50	56
Under 15 years 15-44 years 45-64 years 65 years and over	293 398 614 762	166 223 362 486	36 50 73 83	19 33 48 61	31 42 51 50	60 71 83 79	37 50 55 50	33 43 66 76

[Excludes Federal hospitals, deliveries, and newborn infants]

¹Includes sex not stated. ²Includes age not stated.

Table 6. Average charge per episode of hospitalization in short-stay hospitals, by geographic region, bed size of hospital, and type of hospital service: United States, 1968-70

								·
Geographic region and bed size	All discharges	Room and care	Laboratory	Pharmacy	Radiology	Operating and/or recovery room	Profes- sional services	Other services
<u>1970</u>	······································			Charge in	dollars			<u> </u>
All hospitals	693	396	<u></u> 83	51	54	105	52	78
Region								
Northeast North Central South West	888 677 548 737	553 379 289 421	111 78 68 83	47 53 50 50	.71 48 46 60	112 102 92 126	145 27 43 47	77 87 65 87
Bed size								
6-99 beds 100-199 beds 200-299 beds 300-499 beds 500-999 beds 1,000 beds or more	431 584 801 787 894 1,289	224 329 490 446 506 1,042	49 71 96 91 115 203	44 46 51 52 63 78	40 46 58 60 66 - 119	80 78 125 113 124 181	29 45 57 52 58 256	52 68 75 88 107 127
1969								
All hospitals	622	364	74	47	50	. 89	49	70
Region								
Northeast North Central South West	820 597 493 655	519 337 269 397	104 70 59 71	45 49 48 47	66 45 41 56	96 85 75 117	150 25 34 46	, 69 75 62 80
<u>Bed</u> size								
6-99 beds 100-199 beds 200-299 beds 300-499 beds 500-999 beds 1,000 beds or more	374 497 729 704 901 1,029	207 278 452 408 522 813	42 61 86 81 122 148	43 45 46 50 55 56	35 43 54 54 69 85	63 71 95 98 116 123	33 41 61 44 86 237	48 58 73 79 102 104
<u>1968</u>								
All hospitals	536	316	65	44	46	76	53	62
Region								
North Central South West	699 528 425 548	433 306 238 331	92 63 49 64	41 46 43 45	60 42 38 49	82 73 65 95	135 22 37 56	60 62 50 62
Bed size								
6-99 beds 100-199 beds 200-299 beds 300-499 beds 500-999 beds 1,000 beds or more	336 470 633 605 754 852	184 266 396 359 427 654	40 58 67 74 106 133	41 42 41 45 56 49	33 43 51 49 61 75	61 60 84 80 101 89	24 37 86 72 47 188	40 51 68 62 84 108

[Excludes Federal hospitals, deliveries, and newborn infants]

Table 7. Average charge per day of hospitalization in short-stay hospitals, by sex and age of patient and length of stay: United States, 1968-70

												·····
						Leng	th of	stay				
Sex and age	All dis- charges	l day or less	2 days	3 days	4 days	5 days	· 6 days	7 - 8 days	9 - 10 days	11 - 20 days	21 - 30 days	31 days or more
1970				<u></u>						-		
Both sexes ¹					Cha	rge in	dolla	rs				
All ages	82	144	129	105	87	82	81	80	81	80	80	73
Under 15 years	81	139	137	85	79	74	77	72	73	76	69	52
15-44 years	. 85	137	123	97	88	85	82	82	83	83	82	67
45-64 years	88	170	125	137	92	83	84	86	85	86	. 88	82
65 years and over	76	154	131	99	84	80	76	75	77	75	74	73
Male												
A11 ages	84	150	115	96	88	79	81	81	81	84	85	75
Under 15 years	79	136	107	85	79	74	79	73	72	75	69	58
15-44 years	85	148	114	98	90	80	82	82	84	85	89	67
45-64 years	89	173	130	104	93	81	84	86	87	88	92	85
65 years and over	80	² 154	127	101	84	80	77	78	76	80	79	77
Female												
All ages	81	138	138	111	86	84	81	80	81	78	75	70
Under 15 years	85	140	174	86	78	74	75	71	76	77	70	45
15-44 years	85	129	128	97	87	89	82	83	82	81	. 75	68
45-64 years	87	² 165	122	162	91	86	84	85	82	83	83	79
65 years and over	73	² 153	135	97	83	80	76	72	78	71	70	71

[Excludes Federal hospitals, deliveries, and newborn infants]

See footnotes at end of table.

Table 7. Average charge per day of hospitalization in short-stay hospitals, by sex and age of patient and length of stay: United States, 1968-70—Con.

										•••••••		
	A11				····	Len	gth of	stay				
Sex and age	All dis- charges	l day or less	2 days	3 days	4 days	5 days	6 days	7 - 8 days	9-10 days	11 - 20 days	21 - 30 days	31 days or more
1969								h		,		
Both sexes ¹					Cha	rge in	dolla	rs				
All ages	70	124	100	86	77	71	72	71	70	69	69	62
Under 15 years	71	125	95	75	70	68	66	67	64	66	65	58
15-44 years	75	113	100	87	78	73	75	73	72	72	74	62
45-64 years	74	142	108	. 93	80	71	73	73	72	73	74	68
65 years and over	65	136	103	86	75	70	69	66	66	65	66	59
Male												
All ages	. 72	130	100	86	78	69	72	72	70	71	70	66
Under 15 years	71	124	95	76	71	67	64	68 -	64	67	63	61
15-44 years	75	126	103	88	79	70	77	73	74	74	72	65
45-64 years	76	² 154	107	94	80	68	73	73	72	75	76	74
65 years and over	67	² 125	104	85	80	71	71	69	68	68	66	62
Female												
) All ages	69	118	99	86	76	74	72	70	69	68	69	58
Under 15 years	70	127	95	73	67	69	68	64	63	65	68	54
15-44 years	74	104	98	87	78	76	73	72	71	70	76	- 58
45-64 years	72	² 128	108	92	81	75	73	73	73	71	72	61
65 years and over	63	² 150	103	⁻ 86	71	69	68	64	63	63	65	57

[Excludes Federal hospitals, deliveries, and newborn infants]

See footnotes at end of table.

Table 7. Average charge per day of hospitalization in short-stay hospitals, by sex and age of patient and length of stay: United States, 1968-70--Con.

-	Length of stay										· · · · · · · · · · · · · · · · · · ·	
Sex and age	dis- charges	l day or less	2 days	3 days	4 days	5 days	6 days	7-8 days	9 - 10 days`	11-20 days	21-30 days	31 days or more
<u>1968</u>					·	<u></u>		ι.,		·		· ·
. <u>Both sexes</u> ¹					Cha	rge in	dolla	rs				
All ages ³	61	111	87	73	68	62	63	61	61	61	59	53
Under 15 years	61	107	84	65	59	57	56	56	54	57	49	52
15-44 years	65	100	87	73	70	63	64	63	65	63	61	56
45-64 years	64	128	92	78	72	63	66	· 63	63	64	64	58
65 years and over	56	140	91	73	65	62	61	59	57	57	57	49
Male												
À11 ages ³	62	116	86	73	68	61	63	61	61	63	61	55
Under 15 years	60	107	84	64	60	58	56	55	53	57	46	51
15-44 years	66	108	87	74	70	62	65	62	66	64	63	61
45-64 years	64	² 136	90	78	72	.60	65	62	64	67	65	55
65 years and over	59	² 136	88	75	70	63	62	62	57	60	60	53
Female												
All ages ³	60	106	88	73	67	63	63	61	61	59	57	51
Under 15 years	62	106	85	67	58	56	56	57	56	57	53	53
15-44 years	65	94	87	73	71	64	64	63	64	63	60	51
45-64 years	64	² 119.	94	78	71	65	67	63	63	62	63	60
65 years and over	53	² 145	94	72	61	61	59	57	56	55	54	47

[Excludes Federal hospitals, deliveries, and newborn infants]

¹Includes sex not stated. ²Caution should be exercised in the use of this figure since the relative standard error of the esti-mated days of care exceeds 25 percent. ³Includes age not stated.

Table 8. Average charge per day of hospitalization in short-stay hospitals, by geographic region, bed size of hospital, and length of stay: United States, 1968-70

Geographic moder and	477	Length of stay										
Geographic region and bed size	All discharges	l day or less	2 days	3 days	4 days	5 days	6 days	7-8 days	9-10 days	11-20 days	21-30 days	31 days or more
<u>1970</u>					Char	ge in do	llars					
All hospitals	82	144	129	105	87	. 82	81	80	81	80	80	73
Region												
Northeast North Central South West	89 80 72 98	158 149 121 156	132 118 127 151	113 97 81 167	99 88 75 99	83 84 72 98	93 81 69 91	92 79 68 93	90 82 68 96	88 79 68 93	86 77 70 93	81 67 63 82
Bed size								:				
6-99 beds 100-199 beds 200-299 beds 300-499 beds 500-999 beds 1,000 beds or more	64 74 88 88 92 108	118 129 ¹ 154 163 175 *	156 100 130 129 127 *	77 86 109 142 110 *	72 77 94 95 106 *	63 78 89 93 97 *	66 72 89 91 *	62 74 90 86 91 ¹ 115	60 73 91 88 91 ¹ 104	56 71 86 86 92 114	51 73 81 85 90 110	46 67 82 72 84 98
1969												
All hospitals	70	124	100	86	77	71	72	71	70	69	69	62
Region												
Northeast North Central South West	79 68 61 . 81	140 124 109 130	111 102 86 112	100 86 73 98	86 75 67 92	71 72 64 89	81 69 61 90	78 69 60 86	76 69 59 85	77 67 59 83	77 64 61 80	75 56 53 62
Bed size												
6-99 beds 100-199 beds 200-299 beds 300-499 beds 500-999 beds 1,000 beds or more	52 63 75 76 82 88	97 117 136 145 ¹ 162 *	79 89 111 111 118 *	68 77 95 96 106 *	60 69 86 85 97 *	54 67 80 81 89 *	56 64 79 80 88 *	54 63 75 78 84 86	53 63 72 75 83 92	49 61 74 74 82 89	46 59 75 73 83 96	39 54 67 66 73 82
1968												
All hospitals	61	111	87	73	68	62	63	61	61	61	59	.53
Region												
Northeast North Central South West	68 59 52 73	124 108 91 127	97 88 78 93	85 71 63 85	76 69 57 81	64 63 54 76	72 61 54 75	69 59 52 75	68 59 53 74	67 59 52 · 75	67 56 51 69	61 51 42 57
Bed size												
6-99 beds 100-199 beds 200-299 beds 300-499 beds 500-999 beds 1,000 beds or more	47 58 66 65 72 71	93 102 128 129 *	74 78 100 93 107 *	60 68 82 80 88 *	55 63 78 73 83 *	49 60 72 68 73	51 59 71 68 75 *	47 57 69 65 72 74	47 56 68 65 72 73	45 56 67 65 71 72	42 56 63 62 68 69	33 50 54 56 66 67

[Excludes Federal hospitals, deliveries, and newborn infants]

¹Caution should be exercised in the use of this figure since the relative standard error of the estimated days of care exceeds 25 percent.

• •

[Excludes Federal hospitals, deliveries, and newborn infants]

		Length of stay										
Sex and age	A11											
Sex and age	discharges	l day or less	2 days	3 days	4 days	5 days	6 days	7-8 days	9-10 days	11-20 days	21-30 days	31 days or more
1970					-							
Both sexes ¹					Number	in thou	is and s					
All ages	215,101	2,607	7,469	7,997	8,689	10,135	9,677	21,068	17,945	57,946	28,697	42,870
Under 15 years	20,550	791	2,299	1,601	1,437	1,612	1,124	2,255	1,477	3,467	1,419	3,069
15-44 years	57,096	1,154	3,158	3,435	3,541	3,872	3,423	7,214	5,040	13,010	5,259	7,991
45-64 years	62,719	405	1,353	1,915	2,342	2,673	2,870	6,186	6,078	19,177	8,639	11,082
65 years and over	74,735	² 258	659	1,046	1,369	1,978	2,260	5,413	5,351	22,293	13,381	20,729
- <u>Male</u>										•		
A11 ages	97,835	1,208	3,186	. 3,541	3,886	5,034	4,403	9,246	7,891	25,889	13,957	19,595
Under 15 years	11,534	415	1,253	918	848	954	625	1,320	863	1,992	787	1,559
15-44 years	24,247	428	1,028	1,302	1,319	1,781	1,440	2,696	1,925	5,458	2,535	4,334
45-64 years	29,827	² 229	563	807	1,079	1,434	1,403	2,726	2,588	9,013	4,508	5,478
65 years and over	32,228	² 135	342	514	639	865	936	2,504	2,516	9,427	6,126	8,224
Female												
All ages	116,980	1,393	4,274	4,446	4,792	5,079	· 5,271	11,793	10,013	31,985	14,683	23,251
Under 15 years	8,978	373	1,044	682	587	650	500	935	614	1,475	631	1,486
15-44 years	32,742	724	2,126	2,131	2,214	2,077	1,984	4,498	3,090	7,537	2,705	3,657
45-64 years	32,840	² 174	787	1,101	1,262	1,239	1,467	3,457	3,474	10,156	4,120	5,604
65 years and over	42,421	² 122	317	532	730	1,113	1,321	2,903	2,835	12,817	7,225	12,505
1969												
Both sexes							1					ĺ
All ages	220,835	2,494	7,202	7,670	8,458	9,841	9,610	20,263	17,186	56,803	29,962	51,346
Under 15 years	21,758	828	2,260	1,497	1,394	1,466	1,414	2,127	1,400	3,649	1,902	3,820
15-44 years	55,471	1,033	2,966	3,436	3,530	3,755	3,422	6,944	5,149	12,477	4,658	8,102
45-64 years	64,955	381	1,357	1,801	2,056	2,793	2,732	6,081	5,839	18,495	8,939	14,481
65 years and over	78,651	² 252	618	937	1,478	1,827	2,042	5,110	4,799	22,182	14,463	24,944
Male												-
All ages	102,296	1,241	3,168	3,232	3,951	4,943	4,591	9,175	7,574	26,419	13,610	24,392
Under 15 years	12,256	459	1,224	812	813	767	825	1,201	763	2,267	1,210	1,916
15-44 years	23,436	433	1,005	1,164	1,471	1,788	1,437	2,735	1,920	5,120	2,115	4,247
45-64 years	31,506	² 206	631	781	942	1,485	1,393	2,821	2,620	8,766	4,266	6,020
65 years and over	35,098	² 142	308	475	726	903	936	2,417	2,271	10,266	6,020	10,635
Female												
All ages	118,261	1,250	4,028	4,426	4,508	4,895	5,010	11,059	9,593	30,274	16,276	26,943
Under 15 years	9,459	367	1,035	683	582	699	589	922	637	1,370	675	1,899
15-44 years	31,951	598	1,959	2,266	2,060	1,964	1,982	4,204	3,213	7,354	2,498	3,855
45-64 years	33,410	² 174	726	1,017	1,114	1,308	1,339	3,251	3,219	9,708	4,673	6,880
65 years and over	43,442	*	309	460	752	924	1,100	2,682	2,524	11,841	8,430	14,308

See footnotes at end of table.

Table 9. Total days of care in short-stay hospitals, by sex and age of patient and length of stay: United States, 1968-70-Con.

[Excludes Federal hospitals, deliveries, and newhorn infants]

-	A11					Leng	th of st	ay				
Sex and age	discharges	l day or less	2 days	3 days	4 days	5 days	6 days	7-8 days	9-10 days	11-20 days	21 - 30 days	31 days or more
<u>1968</u>												
Both sexes ¹					Numbe	er in the	ousands					•
A11 ages ³	215,465	2,610	6,940	7,512	8,304	9,563	9,289	19,788	17,432	54,490	28,814	50,722
Under 15 years	20,077	867	2,228	1,367	1,477	1,459	1,192	2,136	1,425	3,731	1,511	2,687
15-44 years	53,986	1,069	2,831	3,375	3,344	3,536	3,276	6,532	5,397	11.,830	4,601	8,195
45-64 years	62,914	403	1,280	1,773	2,131	2,700	2,703	6,051	5,478	17,729	8,919	13,746
65 years and over	78,438	² 271	600	996	1,350	1,869	2,118	5,061	5,128	21,167	13,783	26,095
Male										•		
All ages ³	100,811	1,314	3,008	3,302	3,906	4,750	4,348	9,053	7,597	25,361	14,396	23,776
Under 15 years	11,513	487	1,183	801	802	824	652	1,264	797	2,091	874	1,738
15-44 years	23,112	450	966	1,237	1,419	1,567	1,325	2,597	1,979	4,992	2,330	4,251
45-64 years	.31,534	² 227	560	792	1,052	1,463	1,396	2,908	2,513	8,468	4,830	7,325
65 years and over	34,617	² 150	298	470	631	896	975	2,281	2,305	9,789	6,362	10,462
Female									•			
All ages ³	114,136	1,292	3,907	4,195	4,373	4,797	4,908	10,681	9,812	29,000	14,346	26,825
Under 15 years	8,523	378	1,039	562	663	634	531	863	628	1,640	636	949 ·
15-44 years	30,783	619	1,856	2,132	1,920	1,969	1,946	3,915	3,411	6,820	2,258	3,938
45-64 years	31,182	² 176 [·]	714	977	1,077	1,226	1,302	3,138	2,965	9,219	4,045	6,344
65 years and over	43,633	² 120	298	525	712	967	1,129	2,761	2,808	11,311	7,407	15,594

¹Includes sex not stated. ²Caution should be exercised in the use of this figure since the relative standard error of the estimated days of care ex-ceeds 25 percent. ³Includes age not stated.

Table 10. Total days of care in short-stay hospitals, by geographic region, bed size of hospital, and length of stay: United States, 1968-70

[Excludes Federal hospitals, deliveries, and newborn infants]

	*		· .			Leng	th of st	ay		-		
Geographic region and bed size	All discharges	l day or less	2 days	3 days	4 days	5 days	6 days	7-8 days	9-10 days	11-20 days	21-30 days	31 days • or more
<u>1970</u>					Numbe	r in the	usands			· ·	•	
All hospitals	215,101	2,607	7,469	7,997	8,689	10,135	9,677	21,068	17,945	57,946	28,697	42,870
Region					-							
Northeast North Central South West	57,631 69,616 60,302 27,551	503 792 747 565	1,384 2,519 2,392 1,175	1,599 2,513 2,743 1,141	1,622 2,825 3,034 1,209	2,378 3,170 3,217 1,370	1,955 3,210 3,205 1,307	4,703 6,878 6,594 2,892	4,293 5,911 5,583 2,157	16,409 18,249 16,319 6,970	8,498 9,635 -7,450 3,114	14,287 13,914 9,018 5,650
Bed size												
6-99 beds 100-199 beds 200-299 beds 300-499 beds 500-999 beds 1,000 beds or more	37,513 42,418 26,813 62,128 41,749 4,479	753 545 ¹ 296 599 361 *	1,729 1,669 799 2,038 1,150 *	2,079 1,689 860 2,159 1,125 *	2,350 *,824 886 2,112 1,393 *	2,826 2,038 1,015 2,704 1,451 *	2,187 2,136 962 2,763 1,511 *	4,119 4,810 2,397 5,717 3,761 ¹ 263	3,278 3,834 2,205 5,065 3,333 ¹ 230	8,486 12,005 8,004 16,874 11,566 1,012	3,495 5,689 4,155 8,587 6,137 635	6,210 6,179 5,233 13,510 9,961 1,776
<u>1969</u>								1. 1. A.				
All hospitals	220,835	2,494	7,202	7,670	8,458	9,841	9,610	20,263	17,186	56,803	29,962	51,346
Region												
Northcast North Central South West	57,437 71,379 62,664 29,355	450 769 712 561	1,184 2,512 2,334 1,172	1,468 2,464 2,619 1,118	1,520 2,656 2,978 1,304	2,282 3,029 3,227 1,303	1,991 3,196 3,040 1,383	4,461 6,325 6,732 2,746	4,228 5,690 5,247 2,022	15,740 18,720 16,294 6,049	9,464 9,773 7,127 3,599	14,650 16,244 12,354 8,098
Bed size												
6-99 beds 100-199 beds 200-299 beds 300-499 beds 500-999 beds 1,000 beds or more	39,288 39,366 31,116 75,509 30,040 5,516	764 541 1289 633 *	1,601 1,586 820 2,410 698 *	1,969 1,505 919 2,475 674 *	2,069 1,711 1,042 2,716 765 *	2,819 1,933 1,108 2,922 885 *	2,193 2,067 1,178 3,061 967 *	4,037 4,294 2,621 6,654 2,261 1396	3,003 3,472 2,339 5,932 2,133 ¹ 308	8,334 10,661 8,692 19,939 7,994 1,181	4,135 4,655 4,929 10,723 4,735 784	8,365 6,941 7,178 18,042 8,716 2,105
1968										, î		
All hospitals	215,465	2,610	6,940	7,512	8,304	9,563	9,289	19,788	17,432	54,490	28,814	50,722
Region												
Northeast North Central South West	56,210 69,456 63,231 26,568	508 766 750 586	1,217 2,203 2,323 1,196	1,400 2,287 2,697 1,128	1,489 2,683 2,973 1,159	2,220 2,937 3,119 1,288	1,933 3,127 2,956 1,273	4,559 6,254 6,527 2,448	4,214 5,848 5,236 2,134	15,003 17,473 15,912 6,101	8,174 9,586 7,887 3,166	15,492 16,292 12,851 6,087
Bed size												
6-99 beds 100-199 beds 200-299 beds 300-499 beds 500-999 beds 1,000 beds or more	42,333 42,587 37,744 61,213 25,421 6,166	876 570 389 527 *	1,777 1,527 1,070 1,814 640 *	2,051 1,557 1,170 1,994 602 *	2,255 1,734 1,268 2,106 770 *	2,817 1,986 1,424 2,421 . 758 *	2,293 2,156 1,394 2,439 838 *	4,267 4,397 3,255 5,563 1,941 ¹ 366	3,474 3,660 2,861 5,054 2,026 1357	9,283 11,612 9,269 16,522 6,466 ¹ 1,338	4,071 5,760 5,505 8,902 3,848 728	9,168 7,630 10,139 13,872 7,342 2,571

¹Caution should be exercised in the use of this figure since the relative standard error of the estimated days of care exceeds 25 percent.

TECHNICAL NOTES ON METHODS

Statistical Design of the Hospital Discharge Survey

Scope of the survey.—The scope of the Hospital Discharge Survey (HDS) encompasses patients discharged from noninstitutional hospitals which have six beds or more for inpatient use, are located in the 50 States and the District of Columbia, and which have an average length of stay of less than 30 days. Although all discharges of inpatients from these hospitals are within the scope of the survey, all newborn infants and females with deliveries are excluded from this report.

Sampling frame and size of sample.— The universe (sampling frame) for the Hospital Discharge Survey consists of short-stay hospitals, excluding military and Veterans Administration hospitals, which are included in the Master Facility Inventory of Hospitals and Institutions (MFI). A detailed description of how the MFI was developed, its content, plans for maintaining it, and procedures for assessing the completeness of its coverage is published in an earlier report.¹

There were 6,965 hospitals in the universe. The distribution of short-stay hospitals by bed size and geographic region in the universe and in the HDS ledger sample is shown in table I. The complete sample for 1968-1970 consisted of 465 hospitals, from which a subsample of 168 was drawn for the ledger survey. Of these 168 hospitals, 7 were ruled out of scope of the survey because they failed to meet the definition of a short-stay hospital, and 19 refused to participate. Approximately 65,000 abstracts were received from the remaining 142 hospitals during 1968, 70,000 from the 137 hospitals participating in 1969, and 67,000 from 130 hospitals in 1970.

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

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

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

Estimation.—Statistics produced by HDS are derived by a complex procedure. The basic unit of estimation is the sample patient abstract. The estimating procedure used to produce essentially unbiased national estimates has three principal components—(1) inflation of reciprocals of the probabilities of sample selection, (2) adjustment for nonresponse, and (3) ratio adjustments to fixed totals. These components are described in appendix I of two earlier publications.²,³

¹National Center for Health Statistics: Development and maintenance of a national inventory of hospitals and institutions. *Vital and Health Statistics.* PHS Pub. No. 1000-Series 1-No. 3. Public Health Service. Washington. U.S. Government Printing Office, Feb. 1965.

²National Center for Health Statistics: Utilization of short-stay hospitals, summary of nonmedical statistics, United States, 1965. *Vital* and Health Statistics. PHS Pub. No. 1000-Series 13-No. 2. Public Health Service. Washington. U.S. Government Printing Office, Aug. 1967.

³National Čenter for Health Statistics: Utilization of short-stay hospitals by characteristics of discharged patients, United States, 1965. *Vital and Health Statistics*. PHS Pub. No. 1000-Series 13-No. 3. Public Health Service. Washington. U.S. Government Printing Office, Dec. 1967.

Table I. Distribution of short-stay hospitals in the universe (MFI) and in the Hospital_Discharge Survey ledger sample, and number of hospitals that participated in the survey, by bed size of hospital and geographic region: United States, 1968-70

			Geographi	c Region	
Bed size of hospital	United States	North- east	North Central	South	West
<u>All sizes</u>		Number	of hospi	tals	
Universe Total sample Number participating for 1968 Number participating for 1969 Number participating for 1970	6,965 168 142 137 130	1,107 47 43 40 40	1,979 49 41 43 39	49 40	1,259 23 18 17 17
<u>6-49 beds</u>				-	
Universe Total sample Number participating for 1968 Number participating for 1969 Number participating for 1970	3,113 20 16 15 15	199 2 2 2 2 2	830 6 5 5 5 5	1,438 8 6 5 5	646 4 3 3 3
<u>50-99 beds</u>				·	
Universe	1,623 22 20 20 18	288 4 4 4 4	442 6 6 6 4	587 8 6 6	306 4 4 4 4
<u>100-199 beds</u>					
Universe Total sample Number participating for 1968 Number participating for 1969 Number participating for 1970	1,144 32 27 24 22	277 8 8 6 6	378 10- 7 8 7	332 10 9 8 7	157 4 3 2 2
. <u>200-299 beds</u>					
Universe Total sample Number participating for 1968 Number participating for 1969 Number participating for 1970	552 28 24 22 22	182 10 9 8 8	151 8 6 6 6	134 6 5 5	85 4 3 3 3
. <u>300-499 beds</u>					
Universe Total sample Number participating for 1968 Number participating for 1969 Number participating for 1970	386 30 23 23 21	110 8 6 6 6	129 10 9 9 8	96 8 6 5 4	51 4 2 2 2
500-999 beds					
Universe Total sample	129 18 17 18 17	42 6 6 6	46 6 6 6	28 4 3 4 3	13 2 2 2 2 2
1,000 beds or more					
Universe Total sample Number participating for 1968 Number participating for 1969 Number participating for 1970	18 18 15 16 16	9 9 8 8 8	3 3 2 3 3	5 5 4 4 4	1 1 1 1

A poststratum ratio adjustment is included only in the estimation of patient charges. The adjusting multiplier ratio is obtained by dividing the total weighted discharges by stratum for the total year of all in-scope hospitals that sent in medical abstracts by the total weighted discharges by stratum for the total year of the in-scope hospitals that sent in both medical and ledger abstracts.

Data Collection and Processing

Depending on the study procedure agreed on with the hospital administrator, the sample selection and the transcription of information from the hospital medical records and business office records to the abstract forms were performed either by the hospital staff or by representatives of the National Center for Health Statistics (NCHS), or by both. In more than threequarters of the hospitals that participated in HDS during 1968-1970, this work was performed by the medical records department or the business office of the hospital. In the remaining hospitals, nearly all the work was performed by personnel of the U.S. Bureau of the Census acting for NCHS.

During the last quarter of 1968, nearly all survey hospitals changed from an optical mark page reader form (figure I) on which data was transcribed from hospital medical records to the form shown in figure II.

Data processing and editing of data.—Shipments of completed abstract forms for each sample hospital were transmitted along with sample selection control sheets to NCHS for processing. Every shipment of abstracts was reviewed; each abstract form was checked for completeness; and when necessary, problems were referred to the hospitals for clarification and correction.

The nonmedical data in sections I and II of the medical abstract form were converted to tape. The abstract forms were then transmitted to medical coding, where the diagnoses and operations were coded.

After the diagnoses and operations were coded, they were converted to tape and matched with their corresponding nonmedical portion.

Final editing was done by computer inspection of the medical data compared with the age and sex information. If sex or age of the patient was incompatible with the recorded medical information, priority was given to the latter in the editing decision.

The majority of rejects were corrected by reviewing and editing the information on the abstract forms. However, where it was impossible to correct the code of a rejected item, that item was coded and tabulated as "not stated." This procedure was applied to all items except "date of admission" and "date of discharge," which were not permitted to be coded as "not stated." In instances where these data could not be obtained from the abstract form, the monthly sample listing sheet transmitted by the sample hospital was used as an additional source of information.

The data from the ledger abstracts (figure III) were also converted to tape in a similar way and the information edited for completeness both manually and on the computer. This ledger tape was then matched with the tape containing the medical abstract information, forming a combined medical and ledger tape which provided the data for this report.

General Qualifications

Rounding of numbers.— Percents and average lengths of stay presented were calculated on the basis of unrounded figures and then rounded for presentation. Therefore figures within the tables may not add to presented totals.

Patient characteristics "not stated."—Age and/or sex was not stated for less than 1 percent of all discharges.

Reliability of Estimates

Estimates from sample surveys such as the Hospital Discharge Survey are subject to two types of errors—measurement or nonsampling errors and sampling errors. Measurement errors can occur in a complete count or census as well as in a sample survey. Sampling errors, on the other hand, occur because a sample instead of a complete count is taken.

Measurement errors.—Measurement errors include those due to hospital nonresponse, missing abstracts, information incompletely or inaccurately recorded on abstract forms, and processing errors. Some of these have been discussed in earlier sections of this appendix.

Sampling errors.—The standard error in this survey is primarily a measure of the sampling variability that occurs by chance because the estimates are based on a sample of short-stay hospitals rather than all discharges from all short-stay hospitals. The relative standard error of an estimate is obtained by dividing the standard error of the estimate by the estimate itself and is expressed as a percentage of the estimate.

The chances are about 68 out of 100 that the value obtained in a complete enumeration is contained in the interval represented by the estimate plus and minus one standard error of the estimate, 95 out of 100 for two standard errors, and 99 out of 100 for 2 ½ standard errors. Applying the illustration at the bottom of

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STRACT OF PATIENT RE	CORD	-Hospital Discharge Survey	×											
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10		DISCHARGE STATUS												

Figure I. Abstract of patient record.

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Form Approved O.M.B. No. 68-R0620

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

		ŀ	lealth Services	blic Health S and Mental H Center for He	ervice lealth Admin alth Statisti	istration cs			
I. Patien	t Identification		<u></u>				,		
1.	Hospital numbe			4.	Date of ad	mission	<u></u>		
2.	HDS number					•	Month	Day	Year
	Medical record				Date of dis	scharge	Month	 Дзу	Year
II. Patien	t Characteristic								
1.	Date of birth: _		Day Year	2.	Age (compl if date of b		given):	Units 2	☐ years ☐ months ☐ days
3.	Sex: 1 🗌 Male	2 🗌 F	emale			<u> </u>			
4.	Race or color:	1 🗌 White	2 🗌 Negro	3 🗌 Othe	r nonwhite	4 🗆 '	"Nonwhite"	5 🗌 No	t stated
5.	Marital status:	1 🗌 Married	2 🗌 Single	3 🗌 Widow	ved 4 🗌 0	Divorced	5 🗍 Separ	ated 6 🗌	Not stated
6.	Discharge stat	us: 1 🗌 Alive	2 🗌 De	ad			<u> </u>		
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· · · · · · · · · · · · · · · · · · ·			Figure	II. Medica	al abstract.				35

Form Approved: Budget Bureau No. 68-R0620

CONFIDENTIAL - All information which will be used only by persons engaged in used for any other purpose (22 FR 1687	and for the pu	t identifica poses of	ation the s	of an individual or an establi urvey and will not be disclos	shment will ed or releas	be held co ed to other	nfidential, persons or
PHS-4734-17 REV 3/68 DEP4	RTMENT OF PI NATIONAL	UBLIC HEA	OR H	CATION, AND WELFARE SERVICE EALTH STATISTICS AL DISCHARGE SURVEY			
I. PATIENT IDENTIFICATION							
1. Hospital number					Month	Day	Year
2. HDS number			4.	Date of admission			
3. Medical record number II. HOSPITAL CHARGES	<u></u>		+	Date of discharge	•		<u> </u>
II. HOSPITAL CHARGES	D (1)		-	SOURCE OF PAYMENT (Responsible party)	r	, , 17	Caria
6. Room and care 7. Laboratory	Dollars	Cents	14.	Health insurance A. Blue Cross/Blue Shid	eld .	ollars	Cents
8. Pharmacy	· · · · ·			B. Commercial Insurance		, ,	
9. Radiology				C. Other Health Plans.			
10. Operating, delivery, and/or recovery room			15. 16.	Patient responsibility . Medicare (Social Security)			
11. Professional fees	<u>, ,</u>		17.	Welfare and Medicaid			
12. All other charges			18.	Other (Specify in notes)			
13. TOTAL CHARGES			19.	TOTAL (If total does not equal Iten explain difference in notes)		· · · ·	
2			20	. Account Closed?	🗌 Yes.	[Date	No
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Completed by abstracter				Date		•	· · ·

Figure III. Ledger abstract.

Figure IV. Approximate relative standard errors of estimated numbers of patients discharged for patient characteristics (including type of charge) by geographic region and size of hospital, and for all hospitals

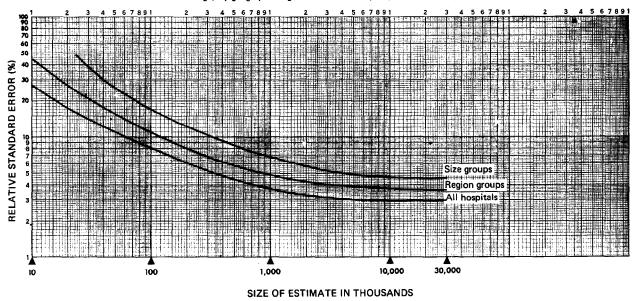


Illustration of use of figure IV: As shown in table 1, an estimated 2,164,000 male patients under 15 years had a laboratory charge in 1968. The relative standard error of this estimate as read from the line "All hospitals" is approximately 3.3 percent: the standard error of 2,164,000 is 71,412 (3.3 percent of 2,164,000).

figure IV, the chances are about 68 out of 100 that the value that would be obtained in a complete enumeration is contained in the interval $2,164,000 \pm 3.3$ percent of 2,164,000 (between 2,093,000 and 2,235,000), 95 out of 100 for the interval $2,164,000 \pm 3.3$ percent of 2,164,000 multiplied by 2, and 99 out of 100 for the interval $2,164,000 \pm 3.3$ percent of $2,164,000 \pm 3.3$ p

The standard error of one statistic is generally different from that of another, even when the two come from the same survey. In order to derive standard errors that would be applicable to a wide variety of statistics and that could be prepared at a moderate cost, a number of approximations are required. As a result, figures IV, V, and VI and tables II and III provide general standard errors for a wide variety of estimates rather than the specific error for a particular statistic.

The relative standard errors and approximate standard errors of percentages that have been prepared for this report are applicable to estimates of discharges, charges, and days of care for patient characteristics (age, sex, and the cross-classification age by sex and type of charge) cross-classified by one of three hospital groupings as follows: (1) by region (e.g., South), (2) by bed size (e.g., 100-199 beds), or (3) by hospitals summed over all regions and all size groups. The particular figure or table to which one refers to obtain a sampling error is contingent upon both the type of estimate (e.g., charges) and the hospital grouping with which the patient characteristic(s) is crossclassified. The procedures that apply are as follows:

- 1. Estimated numbers of discharges: Approximate relative standard errors of estimated numbers of discharges are obtained from the curves shown in figure IV.
- 2. Estimated amount of charges: Approximate relative standard errors of estimated amount of charges are obtained from the curves shown in figure V.
- 3. Estimated numbers of days of care: Approximate relative standard errors of estimated numbers of days of care are obtained from the curves shown in figure VI.
- 4. Estimated percentages of discharges in a percent distribution: Approximate standard errors of estimated percentages of discharges when the characteristic(s) used to form the numerator is a subclass of the denominator are shown in table II.
- 5. Estimated percentages of charges in a percent distribution: Approximate standard errors of estimated percentages of charges when the characteristic(s) used to form the numerator is a subclass of the denominator are shown in table III.

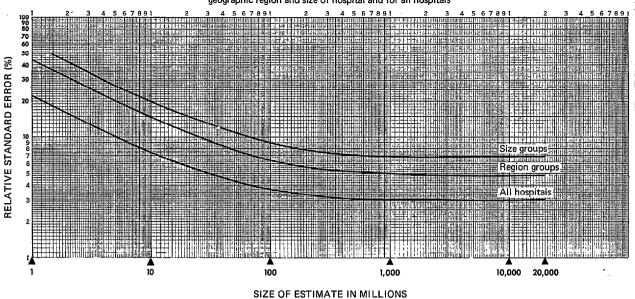
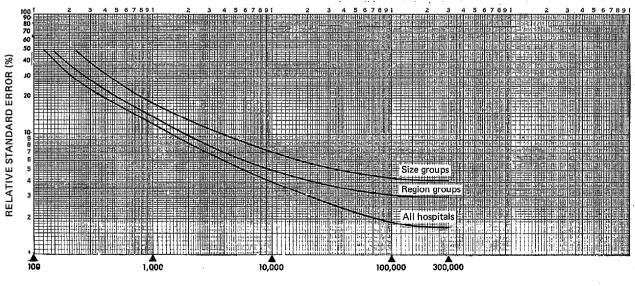


Figure V. Approximate relative standard errors of estimated amount of charges for patient characteristics (including type of charge) by geographic region and size of hospital and for all hospitals

Illustration of use of figure V: As shown in table 4, in 1968 an estimated \$206,000,000 was for pharmacy charges for patients in hospitals with bed size 100-199. The relative standard error of this estimate as read from the line "Size groups" is approximately 7.9 percent: the standard error of \$206,000,000 is \$16,274,000 (7.9 percent of \$206,000,000).

Figure VI. Approximate relative standard errors of estimated numbers of days of care for patient characteristics (including type of charge) by geographic region and size of hospital, and for all hospitals



SIZE OF ESTIMATE IN THOUSANDS

Illustration for use of figure VI: As shown in table 10, in 1970 an estimated 69,616,000 days of care were provided to patients in the North Central region of the country. The relative standard error of this estimate as read from the line "Region groups" is approximately 3.2 percent: the standard error of 69,616,000 is 2,227,712 (3.2 percent of 69,616,000).

Table II. Approximate standard errors of percentages shown in this report for discharges: patient characteristics (including type of charges) classified by geographic region and for all hospitals

Standard error	s for patient	characteristics	classified by	size of hospital
are 1	1/2 times the s	tandard errors s	hown in this	table]

Number of discharges		Estimated percent								
(base of	2	4	10	20	30	50				
percent in	or	or	or	or	or					
thousands)	98	96	90	80	70					
	St			or exp age po		in				
10	4.6	6.5	9.9	13.2	15.1	16.5				
50	2.0	2.9	4.4	5.9	6.8	7.4				
100	1.4	2.0	3.1	4.2	4.8	5.2				
500	0.7	0.9	1.4	1.9	2.1	2.3				
1,000	0.5	0.6	1.0	1.3	1.5	1.7				
5,000	0.2	0.3	0.4	0.6	0.7	0.7				
10,000	0.1	0.2	0.3	0.4	0.5	0.5				
20,000	0.1	0.1	0.2	0.3	0.3	0.4				
30,000	0.1	0.1	0.2	0.2	0.3	0.3				

<u>Illustration of use of table II</u>: Table 2 shows that in 1968 52.2 percent of the 3,537,000 patients discharged in the West Region have a radiology charge. Linear interpolation between the values shown in table II will yield an approximate standard error of 1.1 percent for an estimate of 52.2 percent with a base of 3,357,000.

Approximate standard errors of average charge per episode can be calculated as in the following example:

Suppose the standard error $(\sigma_{\rm R'})$ of the 1968 average charge per episode for females aged 45-64 years with a laboratory charge for all hospitals is desired. The estimated number of discharges for this statistic is 3,138,000 (table 1) and the estimated amount of charges is \$229,000,000 (table 3).

Let

$$=\frac{X'}{Y'}=\frac{\$229,000,000}{3,138,000}=\$73$$

Amount of charges Number of discharges

The relative standard error $(V_{\chi'})$ of \$229,000,000 (from all hospitals curve in figure V) is 3.3 percent, or .033; $V_{\chi'}^2 = (.033)^2$. The relative standard error $(V_{\gamma'})$ of 3,138,000 (from all hospitals curve in figure IV) is 3.2 percent, or .032; $V_{\gamma'}^2 = (.032)^2$. The sample correlation coefficient (r) which measures the closeness of the relation between the estimated amount of charges and the estimated number of discharges has been computed to be 0.82.

Table III. Approximate standard errors of percentages shown in this report for charges: patient characteristics (including type of charge) classified by geographic region and for all hospitals

[Standard errors for patient characteristics classified by size of hospital are 1½ times the standard errors shown in this table]

Number of		Es	timat	ed per	cent	
charges (base of percent in millions of dollars)	* 2 or 98	4 or 96	10 or 90	20 or 80	30 or 70	50
	St			or exp age po	ressed ints	in
1 50 500 1,000 1,000 10,000 15,000	4.1 1.8 1.3 0.6 0.4 0.2 0.1 0.05 0.05		8.8 3.9 2.8 0.9 0.4 0.3 0.1 0.1	11.7 5.2 3.7 1.7 1.2 0.5 0.4 0.2 0.1 0.1	13.4 6.0 4.3 1.9 1.3 0.6 0.4 0.2 0.1 0.1	14.7 6.6 4.6 2.1 1.5 0.7 0.5 0.2 0.1 0.1
Tlluctratio	n of			table	TTT.	Table

<u>Illustration of use of table III:</u> Table 3 shows that in 1968 7.4 percent of the \$6,285,000,000 was for pharmacy charges for male patients from all hospitals. Linear interpolation between the values shown in table III will yield an approximate standard error of 0.1 percent for an estimate of 7.4 percent with a base of \$6,285,000,000.

$$V_{R'}^{2} = V_{X'}^{2} + V_{Y'}^{2} - 2rV_{X'}V_{Y'}$$

= (.033)² + (0.32)² - 1.64 (.033 x .032)
= .001089 + .001024 - .001732 = .000381
$$V_{R'} = \sqrt{.000381} = .020$$
$$\sigma_{R'} = R' \times V_{R'} = \$73 \times .020 = \$1.5$$

Approximate standard errors of average charge per day can be calculated applying the same formula.

Let
$$R' = \frac{\text{Amount of charges}}{\text{Number of days of care}}$$

where

Amount of charge = average daily charge × number of days of care

and

the sample correlation coefficient (r) which measures the closeness of the relation between the estimated numbers of charges and the estimated number of days of care has been computed to be 0.99.

APPENDIX II

DEFINITIONS OF CERTAIN TERMS USED IN THIS REPORT

Terms Relating to Hospital Charges

Charge.—A charge is that amount of money billed to a patient, relative, or third-party insurance payor for an episode of hospitalization. The amount does not reflect the hospital cost in providing care nor does it reflect what amount of money was actually collected for an episode of hospitalization.

Room and care.— The room and care charge includes charges for room, food, nursing service, nursery, baby formula, and intensive care. Also included is the total charge for a hospital with a fixed rate.

Laboratory.—The laboratory charge includes blood counts, serology, pathology, tissue examination, basal metabolism rate, electrocardiogram, electroencephalogram, and the like.

Pharmacy.—The pharmacy charge includes items charged to drugs or pharmacy.

Radiology.—The radiology charge includes items charged to diagnostic and therapeutic radiation, e.g., X-ray, cobalt, radium, and isotopes.

Operating and/or recovery room. Use of the operating and/or recovery room is covered by this term.

Professional services.—Professional services include charges for such items as staff physician, anesthetist, radiologist, and pathologist. Excluded are charges from outside sources, such as a surgeon's fee billed directly from his private office to the patient.

All other services.—The other services are those items which are not assigned to previous categories, such as blood, oxygen, medical and surgical supplies, physical therapy, emergency room, and personal charges.

Fixed-rate hospitals.—A hospital with a fixed rate has one all-inclusive charge per patient day of stay. There is no breakdown between room and care and other services.

Average charge per episode.—The average charge per episode is the total amount of money divided by the total number of discharges.

Average charge per day.—The average charge per day is the total amount of money divided by the total number of inpatient days.

Terms Relating to Hospitalization

Patient.—A patient is any person formally admitted to the inpatient service of a short-stay hospital for observation, care, diagnosis, or treatment. In this report the number of patients refers to the number of discharges during each year 1968-1970, including multiple discharges of the same individual (if any), from one short-stay hospital or more. All newborn infants, defined as those admitted by birth to the hospital, and all females who delivered are excluded from this report. Also excluded are those patients who had no charges recorded for their hospital stay. "Inpatient" and "patient" are used synonymously.

Discharge.—The formal release of a patient by a hospital, that is, the termination of a period of hospitalization by death or by disposition to place of residence, nursing home, or another hospital is considered a discharge. In this report "discharges" and "patients discharged" are used synonymously.

Days of care.—Days of care are the total number of inpatient days accumulated at time of discharge by patients discharged from short-stay hospitals during each year 1968-1970. A stay of less than 1 day (inpatient admission and discharge on the same day) is counted as 1 day in the summation of total days of care. For patients admitted and discharged on different days, the number of days of care is computed by counting all days from (and including) the date of admission to (but not including) the date of discharge.

Average length of stay.—The average length of stay is the total number of inpatient days accumulated at time of discharge by patients discharged during each year 1968-1970 divided by the number of patients discharged during each year.

Terms Relating to Hospitals and Hospital Characteristics

Short-stay hospitals.— Short-stay hospitals are general and short-term special hospitals having six beds or more for inpatient use and an average (mean) length of stay of less than 30 days. Federal hospitals and hospital units of institutions are not included. "Hospitals" and "short-stay hospitals" are used synonymously.

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

Demographic Terms

Age.—The age recorded is the age at last birthday prior to admission to the hospital inpatient service.

Geographic region.—In this report hospitals are classified by location according to the four geographic regions of the United States which correspond to those used by the U.S. Bureau of the Census.

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

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