

TRANSACTIONS OF SOCIETY OF ACTUARIES 1971 REPORTS

IV. SAMPLE OF GROUP HOSPITAL AND SURGICAL EXPENSE INSURANCE

INTRODUCTION

THIS is the second report of the study of claim frequencies, charges, and claim costs for a sample of basic Group Hospital and Surgical Expense insurance plans. This report combines data with respect to experience during 1967, 1968, and 1969. In order that the material be as timely as possible, it had been planned to prepare this report every two years. However, the data for 1967 and 1968 were not sufficiently extensive to warrant publication. With the addition of a relatively large volume of data for 1969, it became appropriate to prepare the report.

CONTRIBUTIONS

The following five companies have submitted data included in this report, and the results are a composite of their procedures and experience.

Aetna Life Insurance Company
Connecticut General Life Insurance Company
Continental Assurance Company
Equitable Life Assurance Society
Prudential Insurance Company of America

The contribution rules and data-submission procedures are briefly outlined in the Appendix. The statistics shown in this report were calculated from 233 cases and 19,070 claim records in 1967, 242 cases and 16,425 claim records in 1968, and 248 cases and 30,270 claim records in 1969. Hospital and surgical claims for the same causes of disability are reported on one claim record; thus the claim record count is not a count of hospital or surgical claims. The same cases are not necessarily submitted each year, and it is not known how various tables of this report are influenced by this difference in exposure by year.

GENERAL COMMENTS

A number of general comments apply to the composition of the tables in this report.

The exposures shown are the number of employee life years or the number of life years for employees with one or more dependents over the period 1967-69. Claims are those incurred during this same period. All

tables refer to nonmaternity experience and show the compiled results without smoothing.

The geographic composition of the exposure can be seen in Tables 1 and 2 for hospital coverage and in Tables 3 and 4 for surgical coverage. The largest exposure for this report is in the North Central States. This distribution may not be representative of the group hospital and surgical business of many companies, and any use of information provided by this study should be with this knowledge. All separation of data by state and metropolitan area has been omitted because of the generally small exposure for most of these geographic subdivisions. In addition to the geographic distribution of exposure, various tables indicate the age, female, and dependent unit composition of the cases.

Tables 1-4 use the work location of the employees as the location determinant for both exposures and claims, regardless of the treatment location. For a few cases the location of employees was scattered, so that exposure could not be assigned to a particular region. Experience of these cases by work location does not appear in any region but does appear in the total for all locations. The remaining tables which show geographic results refer to treatment locations.

The frequency tables (Tables 1-4) include exposure and claims for persons of all ages, but the claim tables (Tables 5-10) exclude claims on persons aged 65 and over. The effect on the experience attributable to persons over age 65 is quite small in the frequency tables, however, since those over age 65 account for only 3.0 per cent of the exposure in the 1964-66 study and 1.3 per cent of the experience in the 1967-69 study. From Table 2 it is possible to determine employee frequency excluding employees 65 and over. Claims on newborn children during the first fourteen days of life are excluded from all tables. Where employee claims are distributed by age, the few claims on employees whose age was unknown are included only in the totals for all ages and have not been distributed to the age groups.

It should be noted that the frequencies for persons over age 65 shown in Tables 2 and 4 are not consistent with the frequencies and trends shown for those persons under age 65 in the same tables. The data shown for persons over age 65 reflect the effect of co-ordination with Medicare payments and should not be considered as a true indication of the total experience for this age group.

An average employee age factor was calculated for each location cell to provide an indication of the age configuration of the cell. Additionally, an average employee age factor was calculated for each case, to be used in selected tables. The following factors were applied to the employee exposure by age group:

Age Group	Factor
Less than 40.....	0.65
40-44.....	1.00
45-49.....	1.20
50-54.....	1.50
55-59.....	1.90
60-64.....	2.50
65 and over.....	3.20

Data are not available with respect to exposure for wife, husband, or children separately. The exposure for the total number of dependent units (employees with dependent coverages) has been split between cases with husbands eligible for coverage and cases with husbands ineligible, in order to facilitate interpretation of the data. However, in each dependent table the claim frequencies and days per unit exposed for wives, husbands, and children have been calculated on the basis of the total dependent unit exposure for all cases, regardless of the eligibility of husbands. If spouse experience is desired, the data for wives and husbands should be combined. Note, however, that this will produce a result based on mixed exposure of husbands eligible and ineligible. A brief table showing separate experience of cases with and without husbands eligible is shown in the text comments for Tables 1 and 3.

TABLES

Table 1 is an employee and dependent hospital frequency-duration table for all regions. Average duration and days per unit exposure are developed using a seventy-day truncation of inpatient days.

Separate dependent hospital experience is available for cases with husbands eligible and cases with husbands ineligible. The accompanying

	HUSBANDS ELIGIBLE (DEPENDENT UNITS = 64,570)			HUSBANDS INELIGIBLE (DEPENDENT UNITS = 13,336)	
	Wives	Husbands	Children	Wives	Children
Inpatient claims:					
Number.....	6,845	677	7,110	1,419	1,395
Frequency per M....	106	10	110	106	105
Days per dependent unit exposure....	.87	.10	.52	.95	.52
Average duration...	8.2	9.8	4.7	8.9	5.0
Outpatient claims					
Number.....	1,773	159	8,184	410	1,750
Frequency per M....	27	2	127	31	131

tabulation contains a summary of the experience for all locations combined.

The data for wives and children above are not directly comparable, since the percentage of dependent exposure attributable to wives and children would be different for cases with husbands eligible and for cases with husbands ineligible.

Table 2 reports employee hospital frequency-duration data by age group for each region. Inpatient claims have been truncated at seventy days.

Table 3 is an employee and dependent surgical frequency table for all regions. "Total claims" includes inpatient, outpatient, and out-of-hospital surgical claims and some claims where place performed was reported as unknown. The accompanying tabulation contains a summary of the total dependent surgical experience for cases where husbands are eligible compared with cases where husbands are ineligible, similar to that shown above for hospital experience.

	HUSBANDS ELIGIBLE (DEPENDENT UNITS = 64,570)			HUSBANDS INELIGIBLE (DEPENDENT UNITS = 13,336)	
	Wives	Husbands	Children	Wives	Children
Inpatient surgical claims:					
Number	3,749	268	3,941	825	741
Frequency per M.	58	4	61	62	56
Total surgical claims:					
Number	6,942	522	11,163	1,490	2,146
Frequency per M.	108	8	173	112	161

Table 4 reports employee surgical frequency data by age group for each region. "Total Claims" are surgical claims as explained for Table 3.

Table 5, for adults, and 5A, for children, are hospital claim summaries of duration, average room and board charge per day, average ancillary charge for inpatient claims, and average ancillary charge for outpatient claims. The information has been compiled by region separately for adults and children. Inpatient claims have been truncated at seventy days in producing the average duration, and ancillary charges exclude charges of outside anesthetists.

The data indicate substantial variation by area in the relationship between hospital room and board charges and total hospital charges

(excluding outside anesthetists) for nonmaternity inpatient claims. By region, the values are shown in the following tabulation:

REGION	HOSPITAL ROOM AND BOARD CHARGE AS PER CENT OF TOTAL INPATIENT CHARGE	
	Adult	Child
New England.....	60.1%	62.5%
Middle Atlantic.....	55.1	53.3
North Central.....	54.1	54.0
Plains.....	50.7	49.1
Mountain.....	50.2	46.8
Pacific.....	52.0	47.4
Gulf.....	44.2	44.9
Southeastern.....	50.2	48.3
Total: all locations.....	53.2%	52.5%

Table 6 is a hospital claim summary for all locations, by days of hospital confinement, showing the number of outpatient claims (denoted by 0 days of hospital confinement), the number of inpatient claims for each duration, and the average ancillary charge for these claims. The data are reported separately for male employee, female employee, spouse, and child. Slight distortions may be present at a confinement of thirty-one days, because information for some claims under thirty-one-day plans may have been reported only for the period in which basic benefits are payable rather than for at least seventy days as requested by the instructions. Outside anesthetists' charges are excluded.

Tables 7 and 8 are hospital claim summaries of inpatient and outpatient hospital ancillary charges by size of charge, showing number of claims and average charges if the maximum charge for any claim used in calculating each average is as indicated. Data are shown for male employee, female employee, spouse, and child. Once again, charges by outside anesthetists are excluded from the hospital ancillary charges.

From a review of Table 8, it will be seen that in some cells the average charge shows a sizable increase from the \$200 maximum to the unlimited maximum, indicating unusually large outpatient charges. These averages, indicated by an asterisk, may be the result of inaccurate coding rather than actual charges of the magnitude indicated. The Committee would

urged caution, therefore, in interpreting the results of this table, particularly with respect to the "unlimited" amounts shown.

Table 9 presents data according to the place where surgery was performed. It shows number of claims and average surgical charges for single and multiple procedure claims separately for male employee, female employee, spouse, and child.

Tables 10A-10D present data on frequency of claim and average charge for selected common surgical procedures. The average duration of hospital confinement in connection with the procedure is also shown for inpatient claims. Because of the lack of sufficient data, multiple procedure statistics have been omitted from these tables. The accompanying tabulation compares single procedure totals shown in Tables 10A-10D with the multiple procedure totals that have been omitted.

TYPE CLAIMANT	SINGLE SURGICAL PROCEDURE CLAIMS			MULTIPLE SURGICAL PROCEDURE CLAIMS		
	All Claims		Inpatient Average Duration	All Claims		Inpatient Average Duration
	Number of Claims	Average Surgical Charge		Number of Claims	Average Surgical Charge	
Male.....	7,531	95	8.3	929	263	13.2
Female.....	4,170	113	6.9	693	268	12.0
Spouse.....	7,683	114	7.2	1,314	271	12.0
Child.....	12,417	65	3.5	767	165	8.2

Data on maternity claim frequency by age and per cent female are not shown in this report because of their limited volume.

SUMMARY

This study is a detailed study of claim utilization and charge information based on a sample of cases from several companies. It should also be noticed that the volume of data in some categories is rather small and that some tables were omitted for this reason. Furthermore, in view of the relatively small number of companies contributing, the results shown in some areas or cells could be attributable to the data contributed by one or two companies. The Committee therefore urges caution in the interpretation and use of the data in this report.

TABLE 1
 SAMPLE OF GROUP HOSPITAL AND SURGICAL EXPENSE INSURANCE
 1967-69 Hospital Nonmaternity Utilization by Region

REGION	DATA DISPLAYED	EMPLOYEES			DEPENDENT UNITS			WIVES	HUS- BANDS	CHIL- DREN	AVERAGE EM- PLOYEE AGE FACTOR
		Total	Male	Female	Total	Husbands Eligible	Husbands Ineligible				
Total: all locations	Exposure	120,880	84,678	36,202	77,906	64,570	13,336				1.13
	Inpatient claims:										
	Number	12,106	7,773	4,333				8,264	677	8,505	
	Frequency per M*	100	92	120				106	9	109	
	Days per unit exposure*	.84	.78	.97				.88	.09	.52	
	Average duration	8.4	8.5	8.1				8.3	9.8	4.8	
	Outpatient claims:										
	Number	4,620	3389	1,231				2,183	159	9,934	
	Frequency per M*	38	40	34				28	2	128	
	New England States	Exposure	13,575	7,828	5,747	6,700	5,253	1,447			
Inpatient claims:											
Number		1,124	613	511				534	77	604	
Frequency per M*		83	78	89				80	11	90	
Days per unit exposure*		.78	.79	.77				.72	.13	.57	
Average duration		9.4	10.0	8.7				9.1	11.6	6.3	
Outpatient claims:											
Number		523	360	163				246	10	875	
Frequency per M*		39	46	28				37	1	131	
Middle Atlantic States		Exposure	19,260	12,303	6,957	11,182	9,337	1,845			
	Inpatient claims:										
	Number	1,945	1,293	652				1,252	67	1,210	
	Frequency per M*	101	105	94				112	6	108	
	Days per unit exposure*	.88	.92	.83				.89	.07	.50	
	Average duration	8.8	8.7	8.8				7.9	11.3	4.6	
	Outpatient claims:										
	Number	851	632	219				419	10	1,575	
	Frequency per M*	44	51	31				37	1	141	

* For dependents: based on total dependent unit exposure.

TABLE 1—Continued

REGION	DATA DISPLAYED	EMPLOYEES			DEPENDENT UNITS			WIVES	HUS- BANDS	CHIL- DREN	AVERAGE EM- PLOYEE AGE FACTOR
		Total	Male	Female	Total	Husbands Eligible	Husbands Ineligible				
North Central States.....	Exposure	42,957	32,058	10,899	29,688	23,079	6,609				1.10
	Inpatient claims:										
	Number	4,204	2,848	1,356				3,297	177	3,539	
	Frequency per M*	98	89	124				111	6	119	
	Days per unit exposure*	.84	.77	1.05				.97	.05	.59	
	Average duration	8.6	8.7	8.4				8.7	8.8	4.9	
	Outpatient claims:										
Plains States.....	Number	1,952	1,453	499				928	66	4,533	
	Frequency per M*	45	45	46				31	2	153	
	Exposure	6,638	4,695	1,943	4,072	3,222	850				1.03
	Inpatient claims:										
	Number	775	431	344				433	29	535	
	Frequency per M*	117	92	177				106	7	131	
	Days per unit exposure*	.88	.74	1.22				.90	.09	.62	
Mountain States.....	Average duration	7.5	8.1	6.9				8.5	12.2	4.7	
	Outatient claims:										
	Number	204	135	69				90	9	470	
	Frequency per M*	31	29	36				22	2	115	
	Exposure	6,380	4,786	1,594	3,978	3,978	0				1.12
	Inpatient claims:										
	Number	622	366	256				406	51	392	
Frequency per M*	97	76	161				102	13	99		
Days per unit exposure*	.66	.53	1.06				.67	.13	.37		
Mountain States.....	Average duration	6.8	6.9	6.6				6.6	10.4	3.7	
	Outpatient claims:										
	Number	106	77	29				30	5	191	
	Frequency per M*	17	16	18				8	1	48	

* For dependents: based on total dependent unit exposure.

TABLE 1--Continued

REGION	DATA DISPLAYED	EMPLOYEES			DEPENDENT UNITS			WIVES	HUS- BANDS	CHIL- DREN	AVERAGE EM- PLOYEE AGE FACTOR
		Total	Male	Female	Total	Husbands Eligible	Husbands Ineligible				
Pacific States	Exposure	5,042	3,907	1,135	3,486	2,988	498				1.09
	Inpatient claims:										
	Number	407	280	127				337	27	338	
	Frequency per M*	81	72	112				97	8	97	
	Days per unit exposure*	.58	.51	.82				.73	.08	.39	
	Average duration	7.2	7.2	7.4				7.5	10.4	4.0	
Gulf States	Outpatient claims:										
	Number	134	109	25				81	10	437	
	Frequency per M*	27	28	22				23	3	125	
	Exposure	9,243	7,382	1,861	7,284	6,325	959				1.10
	Inpatient claims:										
	Number	962	701	361				878	54	833	
Southeastern States	Frequency per M*	104	95	140				121	7	114	
	Days per unit exposure*	.77	.72	.96				.88	.07	.49	
	Average duration	7.4	7.6	6.9				7.3	9.0	4.3	
	Outpatient claims:										
	Number	257	219	38				118	10	682	
	Frequency per M*	28	30	20				16	1	94	
Southeastern States	Exposure	17,785	11,719	6,066	11,516	10,388	1,128				1.09
	Inpatient claims:										
	Number	2,067	1,241	826				1,127	195	1,054	
	Frequency per M*	116	106	136				98	17	92	
	Days per unit exposure*	.99	.92	1.11				.84	.15	.41	
	Average duration	8.5	8.7	8.1				8.6	9.1	4.5	
Southeastern States	Outpatient claims:										
	Number	593	404	189				271	39	1,171	
	Frequency per M*	33	34	31				24	3	102	

* For dependents: based on total dependent unit exposure.

TABLE 2

SAMPLE OF GROUP HOSPITAL AND SURGICAL EXPENSE INSURANCE
1967-69 Hospital Nonmaternity Utilization by Age

REGION	DATA DISPLAYED	EMPLOYEES			EMPLOYEE AGE DISTRIBUTION							AVERAGE EM- PLOYEE AGE FACTOR
		Total	Male	Female	Less than 40	40-44	45-49	50-54	55-59	60-64	65 and Over	
Total: all locations. . . .	Exposure	120,880	84,678	36,202	56,636	14,864	14,860	13,581	11,476	7,921	1,542	1.13
	Inpatient claims:											
	Number	12,106	7,773	4,333	4,493	1,381	1,652	1,660	1,506	1,294	76	.....
	Frequency per M	100	92	120	79	93	111	122	131	163	49	.....
	Days per emp. exp.	.84	.78	.97	.53	.70	.97	1.16	1.33	1.78	.67	.....
	Average duration	8.4	8.5	8.1	6.7	7.5	8.8	9.5	10.1	10.9	13.7	.....
	Outpatient claims:											
	Number	4,620	3,389	1,231	2,474	516	478	405	388	248	33	.....
	Frequency per M	38	40	34	44	35	32	30	34	31	21	.....
	New England States. . . .	Exposure	13,575	7,828	5,747	5,499	1,601	1,794	1,842	1,648	1,126	65	1.20
Inpatient claims:												
Number		1,124	613	511	361	123	171	167	150	142	7	.....
Frequency per M		83	78	89	66	77	95	91	91	126	108	.....
Days per emp. exp.		.78	.79	.77	.49	.55	.94	.87	1.10	1.62	1.06	.....
Average duration		9.4	10.0	8.7	7.5	7.2	9.9	9.6	11.9	12.9	9.9	.....
Outpatient claims:												
Number		523	360	163	263	56	67	44	34	34	7	.....
Frequency per M		39	46	28	48	35	37	24	21	30	108	.....
Middle Atlantic States		Exposure	19,260	12,303	6,957	7,832	2,211	2,636	2,406	1,980	1,448	747	1.24
	Inpatient claims:											
	Number	1,945	1,293	652	576	196	310	290	317	242	7	.....
	Frequency per M	101	105	74	74	89	118	121	160	167	9	.....
	Days per emp. exp.	.88	.92	.83	.52	.71	1.00	1.10	1.72	1.80	.05	.....
	Average duration	8.8	8.7	8.8	7.0	8.0	8.5	9.2	10.7	10.8	5.1	.....
	Outpatient claims:											
	Number	851	632	219	405	89	91	89	86	64	3	.....
	Frequency per M	44	51	31	52	40	35	37	43	44	4	.....

TABLE 2 *Continued*

REGION	DATA DISPLAYED	EMPLOYEES			EMPLOYEE AGE DISTRIBUTION							AVERAGE EM- PLOYEE AGE FACTOR
		Total	Male	Female	Less than 10	10-14	15-19	20-24	25-29	30-34	35-39		40 and Over
North Central States	Exposure	42,957	32,058	10,899	20,835	5,344	5,148	4,712	3,932	2,668	318	1.10
	Inpatient claims:											
	Number	4,204	2,848	1,356	1,650	502	547	557	501	426	7	.....
	Frequency per M	98	89	124	79	94	106	118	127	160	22	.....
	Days per emp. exp.	84	.77	1.10	.57	.72	1.02	1.14	1.32	1.69	.40	.....
	Average duration	8.6	8.7	8.4	7.1	7.6	9.7	9.7	10.3	10.6	18.3	.....
	Outpatient claims:											
Number	1,952	1,453	499	1,071	205	195	177	182	83	10	.....
Frequency per M	45	45	46	51	38	38	38	46	31	31	.....
Plains States.....	Exposure	6,638	4,695	1,943	3,673	796	716	572	459	376	46	1.03
	Inpatient claims:											
	Number	775	431	344	377	80	69	86	76	73	5	.....
	Frequency per M	117	92	177	103	101	96	150	166	194	109	.....
	Days per emp. exp.	88	.74	1.22	.60	.73	.77	1.31	1.59	2.23	2.76	.....
	Average duration	7.5	8.1	6.9	5.8	7.3	8.0	8.7	9.6	11.5	25.4	.....
	Outpatient claims:											
Number	204	135	69	122	27	19	10	15	8	2	.....
Frequency per M	31	29	36	33	34	27	17	33	21	43	.....
Mountain States....	Exposure	6,380	4,786	1,594	3,058	797	761	666	593	420	85	1.12
	Inpatient claims:											
	Number	622	366	256	208	66	97	99	56	75	19	.....
	Frequency per M	97	76	161	68	83	127	149	94	179	224	.....
	Days per emp. exp.	66	.53	1.10	.36	.57	.75	1.21	.85	1.23	2.55	.....
	Average duration	6.8	6.9	6.6	5.4	6.8	5.9	8.2	9.1	6.9	11.4	.....
	Outpatient claims:											
Number	106	77	29	54	15	9	10	8	6	4	.....
Frequency per M	17	16	18	18	19	12	15	13	14	47	.....

TABLE 2--Continued

REGION	DATA DISPLAYED	EMPLOYEES			EMPLOYEE AGE DISTRIBUTION							AVERAGE EM- PLOYEE AGE FACTOR
		Total	Male	Female	Less than 40	40-44	45-49	50-54	55-59	60-64	65 and Over	
Pacific States	Exposure	5,042	3,907	1,135	2,474	625	623	580	400	308	32	1.09
	Inpatient claims:											
	Number	407	280	127	127	58	60	64	50	47	1	.....
	Frequency per M	81	72	112	51	93	96	110	125	153	31	.....
	Days per emp. exp.	.58	.51	.82	.29	.60	.87	.85	.86	1.51	.19	.....
	Average duration	7.2	7.2	7.4	5.6	6.5	9.1	7.7	6.9	9.9	6.0	.....
	Outpatient claims:											
	Number	134	109	25	70	21	15	13	10	5	0	.....
	Frequency per M	27	28	22	28	34	24	22	25	16	0	.....
	231 Gulf States	Exposure	9,243	7,382	1,861	4,333	1,302	1,177	1,003	803	537	88	1.10
Inpatient claims:												
Number		962	701	261	385	124	107	106	125	98	14	.....
Frequency per M		104	95	1,480	89	95	91	106	156	182	159	.....
Days per emp. exp.		.77	.72	.96	.49	.68	.75	.89	1.36	1.75	3.10	.....
Average duration		7.4	7.6	6.9	5.5	7.1	8.3	8.4	8.8	9.6	19.4	.....
Outpatient claims:												
Number		257	219	38	149	34	20	15	14	16	4	.....
Frequency per M		28	30	20	34	26	17	15	17	30	45	.....
Southeastern States		Exposure	17,785	11,719	6,066	8,932	2,188	2,005	1,800	1,661	1,038	161	1.09
	Inpatient claims:											
	Number	2,067	1,241	826	809	232	291	291	231	191	16	.....
	Frequency per M	116	106	136	90	106	145	162	139	184	99	.....
	Days per emp. exp.	.99	.92	1.10	.59	.84	1.15	1.77	1.36	2.32	1.14	.....
	Average duration	8.5	8.7	8.1	6.6	7.9	8.0	11.0	9.7	12.6	11.5	.....
	Outpatient claims:											
	Number	593	404	189	340	69	62	47	39	32	3	.....
	Frequency per M	33	34	31	38	32	31	26	23	31	19	.....

TABLE 3
 SAMPLE OF GROUP HOSPITAL AND SURGICAL EXPENSE INSURANCE
 1967-69 Surgical Nonobstetrical Utilization by Region

REGION	DATA DISPLAYED	EMPLOYEES			DEPENDENT UNITS			WIVES	HUS- BANDS	CHIL- DREN	AVERAGE EM- PLOYEE AGE FACTOR
		Total	Male	Female	Total	Husbands Eligible	Husbands Ineligible				
Total: all locations.....	Exposure	120,880	84,678	36,202	77,906	64,570	13,336				1.13
	Inpatient claims:										
	Number	6,191	3,589	2,602				4,574	268	4,682	
	Frequency per M*	51	42	72				59	3	60	
	Total claims:										
	Number	13,521	8,645	4,876				8,432	522	13,309	
	Frequency per M*	112	102	135				108	7	171	
New England States.....	Exposure	13,575	7,828	5,747	6,700	5,253	1,447				1.20
	Inpatient claims:										
	Number	617	293	324				297	19	278	
	Frequency per M*	45	37	56				44	3	41	
	Total claims:										
	Number	1,199	651	548				593	31	761	
	Frequency per M*	88	83	95				89	5	114	
Middle Atlantic States.....	Exposure	19,260	12,303	6,957	11,182	9,337	1,845				1.24
	Inpatient claims:										
	Number	985	599	386				674	24	678	
	Frequency per M*	51	49	55				60	2	61	
	Total claims:										
	Number	2,101	1,355	746				1,197	38	1,819	
	Frequency per M*	109	110	107				107	3	163	
North Central States.....	Exposure	42,957	32,058	10,899	29,688	23,079	6,609				1.10
	Inpatient claims:										
	Number	3,155	1,337	818				1,776	66	1,957	
	Frequency per M*	50	42	75				60	2	66	
	Total claims:										
	Number	4,864	3,261	1,603				3,360	153	5,571	
	Frequency per M*	113	102	147				113	5	188	

* For dependents: based on total dependent unit exposure.

TABLE 3—Continued

REGION	DATA DISPLAYED	EMPLOYEES			DEPENDENT UNITS			WIVES	HUS- BANDS	CHIL- DREN	AVERAGE EM- PLOYEE AGE FACTOR
		Total	Male	Female	Total	Husbands Eligible	Husbands Ineligible				
Plains States.....	Exposure	6,638	4,695	1,943	4,072	3,222	850				1.03
	Inpatient claims:										
	Number	342	160	182				255	14	258	
	Frequency per M*	52	34	94				63	3	63	
	Total claims:										
	Number	688	396	292				402	20	734	
Frequency per M*	104	84	150				99	5	180		
Mountain States.....	Exposure	6,380	4,786	1,594	3,978	3,978	0				1.12
	Inpatient claims:										
	Number	347	189	158				218	26	216	
	Frequency per M*	54	39	99				55	6	54	
	Total claims:										
	Number	809	518	291				412	55	724	
Frequency per M*	127	108	183				104	14	182		
Pacific States.....	Exposure	5,042	3,907	1,135	3,486	2,988	498				1.09
	Inpatient claims:										
	Number	220	139	81				210	11	197	
	Frequency per M*	44	36	71				60	3	57	
	Total claims:										
	Number	594	427	167				459	27	752	
Frequency per M*	118	109	147				132	8	216		
Gulf States.....	Exposure	9,243	7,382	1,861	7,284	6,325	959				1.10
	Inpatient claims:										
	Number	465	313	152				482	19	478	
	Frequency per M*	50	42	82				66	3	66	
	Total claims:										
	Number	1,006	733	273				762	45	1,196	
Frequency per M*	109	99	147				105	6	164		
Southeastern States.....	Exposure	17,785	11,719	6,066	11,516	10,388	1,128				1.09
	Inpatient claims:										
	Number	1,060	559	501				662	89	620	
	Frequency per M*	60	48	83				57	8	54	
	Total claims:										
	Number	2,260	1,304	956				1,247	153	1,752	
Frequency per M*	127	111	158				108	13	152		

* For dependents: based on total dependent unit exposure.

TABLE 4
 SAMPLE OF GROUP HOSPITAL AND SURGICAL EXPENSE INSURANCE
 1967-69 Surgical Nonobstetrical Utilization by Age

REGION	DATA DISPLAYED	EMPLOYEES			EMPLOYEE AGE DISTRIBUTION							AVERAGE EM- PLOYEE AGE FACTOR	
		Total	Male	Female	Less than 40	40-44	45-49	50-54	55-59	60-64	65 and Over		
234 Total: all locations . . .	Exposure	120,880	84,678	36,202	56,636	14,864	14,860	13,581	11,476	7,921	1,542	1.13	
	Inpatient claims:												
	Number	6,191	3,589	3,602	2,420	730	814	816	741	626	34	.....
	Frequency per M	51	42	72	43	49	55	60	65	79	22	.....
	Total claims:												
	Number	13,521	8,645	4,876	5,684	1,621	1,745	1,664	1,455	1,175	79	.....
	Frequency per M	112	102	135	100	109	117	123	127	148	51	.....
	New England States . . .	Exposure	13,575	7,828	5,747	5,499	1,601	1,794	1,842	1,648	1,126	65	1.20
		Inpatient claims:											
		Number	617	293	324	215	70	88	89	79	70	5
Frequency per M		45	37	56	39	44	49	48	48	62	77	.....
Total claims:													
Number		1,199	651	548	438	134	187	159	144	117	10	.....
Frequency per M		88	83	95	80	84	104	86	87	104	154	.....
Middle Atlantic States		Exposure	19,260	12,303	6,957	7,832	2,211	2,636	2,406	1,980	1,448	747	1.24
		Inpatient claims:											
		Number	985	599	386	325	91	144	148	158	117	2
	Frequency per M	51	49	55	41	41	55	62	80	81	3	.....
	Total claims:												
	Number	2,101	1,355	746	753	223	308	299	277	222	8	.....
	Frequency per M	109	110	107	96	101	117	124	140	153	11	.....
	North Central States . . .	Exposure	42,957	32,058	10,899	20,835	5,344	5,148	4,712	3,932	2,688	318	1.10
		Inpatient claims:											
		Number	2,155	1,337	818	879	271	279	280	236	204	3
Frequency per M		50	42	75	42	51	54	59	60	76	9	.....
Total claims:													
Number		4,864	3,261	1,603	3,210	573	580	581	499	369	9	.....
Frequency per M		113	102	147	106	107	113	123	127	138	28	.....

TABLE 4—Continued

REGION	DATA DISPLAYED	EMPLOYEES			EMPLOYEE AGE DISTRIBUTION							AVERAGE EM- PLOYEE AGE FACTOR
		Total	Male	Female	Less than 40	40-44	45-49	50-54	55-59	60-64	65 and Over	
Plains States.....	Exposure	6,638	4,695	1,943	3,673	796	716	572	459	376	46	1.03
	Inpatient claims:											
	Number	342	160	182	178	37	30	35	27	31	2	
	Frequency per M	52	34	94	48	46	42	61	59	82	43	
	Total claims:											
Mountain States.....	Number	688	396	292	336	81	72	75	60	54	4	
	Frequency per M	104	84	150	91	102	101	131	131	144	87	
	Exposure	6,380	4,786	1,594	3,058	797	761	666	593	420	85	1.12
	Inpatient claims:											
	Number	347	189	158	122	45	55	53	29	32	11	
Pacific States.....	Frequency per M	54	39	99	40	56	72	80	49	76	129	
	Total claims:											
	Number	809	518	291	316	115	124	98	69	59	22	
	Frequency per M	127	108	183	103	144	163	147	116	140	258	
	Exposure	5,042	3,907	1,135	2,474	625	623	580	400	308	32	1.09
Gulf States.....	Inpatient claims:											
	Number	220	139	81	69	28	33	35	27	28	0	
	Frequency per M	44	36	71	28	45	53	60	68	91	0	
	Total claims:											
	Number	594	427	167	223	84	81	89	52	59	4	
Southeastern States...	Frequency per M	118	109	147	90	134	130	153	130	192	125	
	Exposure	9,243	7,382	1,861	4,333	1,302	1,177	1,003	803	537	88	1.10
	Inpatient claims:											
	Number	465	313	152	197	57	52	39	62	52	5	
	Frequency per M	50	42	82	45	44	44	39	77	97	57	
Southeastern States...	Total claims:											
	Number	1,006	733	273	446	122	113	97	118	90	12	
	Frequency per M	109	99	147	103	94	96	97	147	168	136	
	Exposure	17,785	11,719	6,066	8,932	2,188	2,005	1,800	1,661	1,038	161	1.09
	Inpatient claims:											
Southeastern States...	Number	1,060	559	501	435	131	133	137	123	92	6	
	Frequency per M	60	48	83	49	60	66	76	74	89	37	
	Total claims:											
	Number	2,260	1,304	956	963	289	280	266	236	205	10	
	Frequency per M	127	111	158	107	132	140	148	142	197	62	

TABLE 5
 SAMPLE OF GROUP HOSPITAL AND SURGICAL EXPENSE INSURANCE
 1967-69 Hospital Nonmaternity Adult Claim Summary by Region

Region	Days of Hospital Confinement	Number of Claims	Per Cent of Total Inpatient	Average Duration	Average Room and Board Charge per Day	Average Ancillary Charge
Total: all locations	Inpatient claims:					
	1-3	6,560	31	2.2	.....	115
	4-8	7,833	38	5.8	.....	185
	9 and over	6,546	31	17.7	.....	475
	Total	20,939	100	8.4	34.33	254
	Outpatient claims	6,776	32	.....	.....	29
New England States	Inpatient claims:					
	1-3	509	29	2.2	.....	131
	4-8	588	34	5.8	.....	174
	9 and over	638	37	18.4	.....	474
	Total	1,735	100	9.4	43.53	272
	Outpatient claims	762	44	.....	.....	29
Middle Atlantic States	Inpatient claims:					
	1-3	941	29	2.2	.....	113
	4-8	1,179	37	5.8	.....	175
	9 and over	1,094	34	17.1	.....	448
	Total	3,214	100	8.6	35.65	250
	Outpatient claims	1,256	39	.....	.....	30
North Central States	Inpatient claims:					
	1-3	2,259	30	2.2	.....	109
	4-8	2,871	38	5.8	.....	178
	9 and over	2,458	32	17.8	.....	453
	Total	7,588	100	8.6	33.75	246
	Outpatient claims	2,831	37	.....	.....	28
Plains States	Inpatient claims:					
	1-3	487	37	2.1	.....	111
	4-8	458	35	5.7	.....	173
	9 and over	374	28	18.8	.....	503
	Total	1,319	100	8.1	30.83	243
	Outpatient claims	316	24	.....	.....	29
Mountain States	Inpatient claims:					
	1-3	403	38	2.0	.....	106
	4-8	417	40	5.7	.....	191
	9 and over	234	22	17.2	.....	441
	Total	1,054	100	6.8	31.74	214
	Outpatient claims	133	13	.....	.....	27
Pacific States	Inpatient claims:					
	1-3	286	39	2.1	.....	137
	4-8	286	39	5.7	.....	266
	9 and over	163	22	19.5	.....	727
	Total	735	100	7.3	47.23	318
	Outpatient claims	213	29	.....	.....	47
Gulf States	Inpatient claims:					
	1-3	676	37	2.2	.....	126
	4-8	683	37	5.8	.....	213
	9 and over	486	26	16.7	.....	548
	Total	1,845	100	7.3	29.24	270
	Outpatient claims	371	20	.....	.....	29
Southeastern States	Inpatient claims:					
	1-3	987	29	2.2	.....	117
	4-8	1,348	39	5.8	.....	188
	9 and over	1,094	32	17.6	.....	479
	Total	3,429	100	8.5	30.98	261
	Outpatient claims	889	26	.....	.....	30

TABLE 5A
 SAMPLE OF GROUP HOSPITAL AND SURGICAL EXPENSE INSURANCE
 1967-69 Hospital Nonmaternity Child Claim Summary by Region

Region	Days of Hospital Confinement	Number of Claims	Per Cent of Total Inpatient	Average Duration	Average Room and Board Charge per Day	Average Ancillary Charge
Total: all locations	Inpatient claims:					
	1-3	5,116	60	1.9		92
	4-8	2,426	29	5.4		138
	9 and over	962	11	18.3		402
	Total	8,504	100	4.8	32.45	141
	Outpatient claims	9,847	116			20
New England States	Inpatient claims:					
	1-3	339	55	1.9		86
	4-8	178	29	5.5		138
	9 and over	98	16	22.6		387
	Total	615	100	6.2	40.06	149
	Outpatient claims	870	141			20
Middle Atlantic States	Inpatient claims:					
	1-3	723	62	1.9		92
	4-8	328	28	5.4		122
	9 and over	123	10	18.3		397
	Total	1,174	100	4.6	32.77	132
	Outpatient claims	1,515	129			19
North Central States	Inpatient claims:					
	1-3	1,962	56	1.9		88
	4-8	1,139	32	5.5		132
	9 and over	427	12	17.3		368
	Total	3,528	100	4.9	32.57	136
	Outpatient claims	4,477	127			19
Plains States	Inpatient claims:					
	1-3	344	61	2.0		93
	4-8	148	26	5.5		128
	9 and over	72	13	16.2		413
	Total	564	100	4.7	29.34	143
	Outpatient claims	509	90			17
Mountain States	Inpatient claims:					
	1-3	281	71	1.8		83
	4-8	83	21	5.2		147
	9 and over	31	8	16.9		382
	Total	395	100	3.7	28.53	120
	Outpatient claims	190	48			18
Pacific States	Inpatient claims:					
	1-3	221	68	1.8		113
	4-8	66	20	5.3		179
	9 and over	36	12	15.4		538
	Total	323	100	4.1	38.21	174
	Outpatient claims	428	133			26
Gulf States	Inpatient claims:					
	1-3	537	66	1.9		101
	4-8	215	26	5.3		173
	9 and over	61	8	22.1		492
	Total	813	100	4.3	28.28	149
	Outpatient claims	673	83			22
Southeastern States	Inpatient claims:					
	1-3	704	65	1.9		98
	4-8	267	25	5.3		150
	9 and over	114	10	19.1		459
	Total	1,085	100	4.6	30.21	149
	Outpatient claims	1,178	109			20

TABLE 6—SAMPLE OF GROUP HOSPITAL AND SURGICAL EXPENSE INSURANCE
 1967-69 Hospital Nonmaternity Claim Summary by Days Confined
 All Areas Combined

DAYS OF HOSPITAL CONFINEMENT	MALE EMPLOYEE		FEMALE EMPLOYEE		SPOUSE		CHILD	
	Number of Claims	Average Ancillary Charge	Number of Claims	Average Ancillary Charge	Number of Claims	Average Ancillary Charge	Number of Claims	Average Ancillary Charge
0	3,310	26	1,183	35	2,283	31	9,847	20
1	518	81	201	87	511	80	1,653	78
2	998	111	654	113	1,207	111	2,390	98
3	875	132	546	140	1,054	138	1,077	102
4	752	145	398	151	789	148	792	115
5	719	171	327	171	714	168	617	133
6	629	181	301	188	640	183	477	152
7	459	211	263	205	575	213	316	159
8	418	231	298	245	552	247	226	179
9	325	269	223	250	458	260	172	238
10	246	312	167	286	355	303	116	242
11	220	309	138	304	289	297	112	240
12	149	347	104	338	242	337	79	263
13	146	362	94	352	196	357	63	319
14	132	418	97	343	160	401	36	488
15	98	463	47	350	106	383	38	289
16	115	452	57	438	115	387	28	379
17	81	486	39	412	98	455	25	452
18	63	559	37	452	86	452	14	414
19	54	576	28	545	72	459	18	364
20	62	547	25	664	55	550	25	456
21	67	479	29	544	61	523	25	406
22	46	651	24	417	51	529	17	692
23	46	770	18	705	47	603	19	427
24	47	554	16	523	35	502	11	522
25	31	798	11	559	36	627	15	458
26	37	764	10	871	30	530	7	500
27	25	753	13	1,081	19	917	5	847
28	33	654	9	586	31	531	6	622
29	21	706	11	449	22	712	3	220
30	29	773	10	664	24	814	13	804
31	21	794	11	1,430	24	527	5	342
32	20	954	2	567	17	1,029	6	797
33	21	1,048	7	504	11	1,085	6	615
34	14	1,359	11	792	5	536	2	1,595
35	14	1,171	4	465	14	731	5	585
36	6	806	5	827	8	1,048	4	539
37	13	1,026	3	1,763	10	686	4	585
38	10	904	2	664	16	914	2	378
39	6	1,616	2	1,540	9	956	3	1,062
40	12	1,040	4	1,398	5	773	2	184
41	9	1,246			9	1,047	3	605
42	11	984	5	1,248	7	1,183	3	1,476
43	6	1,223	4	869	9	908	1	502
44	4	1,446	4	500	10	879	2	1,524
45	6	2,193	3	1,212	5	504	1	3,416
46	2	1,106	3	1,642	2	822	1	354
47	5	1,580	3	946	6	1,830		
48	3	750	2	1,133	6	1,321	3	1,463
49	3	858	2	871	3	391	4	830
50	4	1,391			5	483	2	893
51-55	15	1,557	6	905	22	959	8	899
56-60	16	1,037	8	1,199	11	1,414	5	1,550
61-65	7	2,068	2	2,162	7	1,531	6	1,426
66-69	7	1,263	2	726	10	1,910	3	2,694
70 and over	40	2,006	27	1,624	52	1,686	34	848
Total (incl. outpa-tient)	11,026	193	5,500	200	11,196	204	18,357	76
Total (excl. outpa-tient)	7,716	265	4,317	245	8,913	248	8,510	141

TABLE 7

SAMPLE OF GROUP HOSPITAL AND SURGICAL EXPENSE INSURANCE
1967-69 Hospital Nonmaternity Inpatient Ancillary Summary by Region

REGION	t	MALE EMPLOYEE		FEMALE EMPLOYEE		SPOUSE		CHILD	
		Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t
Total: All locations.....	\$ 0	7,684	.....	4,302	.....	8,875	.....	8,461	.....
	25	7,591	24.90	4,263	24.93	8,732	24.88	8,062	24.56
	50	7,222	49.13	4,132	49.39	8,369	49.04	7,100	47.16
	100	5,766	91.93	3,357	93.41	6,855	92.39	4,192	81.00
	200	2,923	146.35	1,726	150.97	3,577	149.39	1,192	108.64
	300	1,721	175.51	906	180.39	2,017	179.98	540	118.17
	400	1,118	193.62	550	196.91	1,183	197.44	318	123.08
	500	789	205.84	343	217.16	774	208.24	227	126.20
	600	609	214.92	245	213.88	522	215.27	166	128.46
	700	479	221.97	176	218.72	392	220.39	135	130.24
	800	396	227.65	123	222.17	303	224.30	119	131.74
	900	325	232.32	95	224.62	242	227.35	94	133.02
	1,000	272	236.19	77	226.65	207	229.85	75	134.03
	1,500	121	248.19	38	232.89	96	237.69	35	136.83
	2,000	70	254.27	25	236.66	52	241.69	18	138.32
	2,500	43	257.87	18	239.14	35	243.98	14	139.22
	3,000	31	260.28	13	240.96	24	245.51	9	139.96
	Unlimited	.....	266.12	.....	245.34	.....	249.87	.....	141.28

TABLE 7—Continued

REGION	t	MALE EMPLOYEE		FEMALE EMPLOYEE		SPOUSE		CHILD	
		Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t
New England States	\$ 0	604		510		614		613	
	25	600	24.97	505	24.91	603	24.89	583	24.49
	50	581	49.44	490	49.34	588	49.18	502	46.67
	100	476	94.11	397	93.28	471	92.92	292	78.89
	200	261	152.71	189	148.27	248	149.01	109	108.58
	300	141	184.70	108	176.66	151	180.32	58	121.32
	400	97	203.52	65	192.86	98	199.79	36	128.87
	500	65	216.46	44	203.25	76	213.94	24	133.47
	600	51	226.17	30	210.34	59	224.85	16	136.45
	700	40	233.23	19	215.34	43	233.07	16	139.06
	800	36	239.33	13	218.64	37	239.61	12	141.16
	900	27	244.72	10	220.67	31	245.18	9	142.75
	1,000	23	248.94	8	222.49	26	249.70	6	143.95
	1,500	12	263.04	4	228.28	12	263.99	2	146.91
	2,000	6	270.12	3	231.41	8	271.90	1	147.92
	2,500	3	273.39	3	234.35	4	276.19	1	148.74
	3,000	2	275.83	1	235.99	4	279.45		149.50
	Unlimited		281.18		241.70		290.43		149.50

TABLE 7—Continued

REGION	t	MALE EMPLOYEE		FEMALE EMPLOYEE		SPOUSE		CHILD	
		Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t
Middle Atlantic States	\$ 0	1,266		660		1,274		1,169	
	25	1,257	24.98	660	25.00	1,252	24.83	1,118	24.65
	50	1,201	49.38	640	49.63	1,203	49.03	971	47.31
	100	955	92.71	540	95.11	930	91.45	543	79.44
	200	485	147.20	327	159.18	460	144.59	129	103.80
	300	292	176.78	150	194.35	233	171.33	54	110.98
	400	186	195.59	97	212.66	117	184.61	38	111.67
	500	132	208.17	67	224.81	80	192.37	27	117.42
	600	97	217.00	50	233.58	51	197.14	23	119.59
	700	76	223.71	32	239.83	41	200.69	17	121.19
	800	58	229.08	24	244.16	34	203.54	17	122.65
	900	43	233.04	20	247.32	26	205.84	15	123.99
	1,000	39	236.23	16	250.03	21	207.72	12	125.23
	1,500	20	247.14	10	259.46	7	212.29	5	128.36
	2,000	10	252.91	6	265.48	5	214.49	4	130.40
	2,500	9	256.58	6	270.03	3	215.91	2	131.38
	3,000	5	259.04	6	274.58	3	217.09	2	132.23
	Unlimited		261.47		290.34		219.81		132.75

TABLE 7--Continued

REGION	t	MALE EMPLOYEE		FEMALE EMPLOYEE		SPOUSE		CHILD	
		Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t
North Central States.....	\$ 0	2,802		1,331		3,423		3,511	
	25	2,769	24.91	1,320	24.94	3,362	24.89	3,324	24.47
	50	2,624	49.07	1,279	49.38	3,218	49.01	2,922	46.87
	100	2,068	91.39	1,029	92.93	2,628	92.14	1,683	80.13
	200	1,050	144.90	527	149.68	1,315	147.71	485	106.97
	300	621	173.86	287	178.63	743	176.67	225	116.55
	400	393	191.51	186	196.17	440	193.58	128	121.36
	500	287	203.37	115	207.60	279	203.79	87	124.24
	600	215	212.43	83	214.81	182	210.20	60	126.38
	700	165	219.21	60	220.10	134	214.81	46	127.91
	800	135	224.62	42	223.94	102	218.34	39	129.12
	900	115	229.09	30	226.53	81	221.02	33	130.17
	1,000	95	232.82	22	228.57	68	223.19	27	131.07
	1,500	41	244.20	11	234.80	33	230.14	12	133.41
	2,000	26	250.00	6	238.37	14	233.35	5	134.60
	2,500	15	253.46	3	240.02	10	235.00	4	135.28
	3,000	10	255.76	1	240.80	6	235.95	2	135.76
Unlimited		261.49		241.57		237.81		136.87	

TABLE 7—Continued

REGION	t	MALE EMPLOYEE		FEMALE EMPLOYEE		SPOUSE		CHILD	
		Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t
Plains States.....	\$ 0	471		348		499		562	
	25	465	24.82	343	24.86	493	24.85	543	24.78
	50	434	48.84	328	49.13	470	49.08	470	47.48
	100	339	90.18	236	90.64	379	91.83	254	80.16
	200	159	138.89	101	137.06	201	148.82	78	106.02
	300	97	164.34	47	158.66	116	178.19	26	113.98
	400	60	180.73	30	169.47	63	196.58	15	117.56
	500	36	191.19	22	176.92	40	206.83	15	120.23
	600	30	197.93	14	182.00	27	213.05	12	122.72
	700	25	203.95	11	185.46	23	218.15	9	124.62
	800	23	208.99	8	188.10	17	221.87	8	126.20
	900	20	213.45	6	190.06	12	224.83	6	127.53
	1,000	17	217.10	5	191.72	10	226.96	5	128.52
	1,500	10	231.66	.....	193.80	6	235.40	5	132.96
	2,000	8	241.32	.....	193.80	3	240.31	2	135.81
	2,500	5	247.41	.....	193.80	3	243.31	2	137.59
	3,000	5	252.72	.....	193.80	2	245.47	2	139.37
	Unlimited	.....	269.17	.....	193.80	.....	254.24	.....	143.52

TABLE 7—Continued

REGION	t	MALE EMPLOYEE		FEMALE EMPLOYEE		SPOUSE		CHILD	
		Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t
Mountain States.....	\$ 0	346		252		449		394	
	25	339	24.85	247	24.88	443	24.93	371	24.62
	50	321	48.92	232	48.87	407	48.69	317	46.76
	100	241	90.51	188	91.55	320	89.60	169	78.53
	200	114	139.73	81	142.10	161	140.63	41	100.71
	300	65	164.86	48	166.35	79	166.24	15	107.24
	400	43	180.12	22	179.67	44	178.39	7	110.03
	500	25	189.68	12	186.55	28	186.29	7	111.81
	600	21	196.13	9	190.53	23	192.14	6	113.52
	700	16	201.63	6	193.39	20	196.71	6	115.04
	800	12	205.58	4	195.63	14	200.77	6	116.56
	900	9	208.66	2	196.58	11	203.66	6	118.08
	1,000	9	211.26	1	197.09	10	205.98	4	119.26
	1,500		218.23	1	199.07	4	212.51		120.48
	2,000		218.23	1	201.06	3	216.03		120.48
	2,500		218.23	1	203.04	1	218.06		120.48
3,000		218.23	1	204.92		218.31		120.48	
Unlimited		218.23		204.92		218.31		120.48	

TABLE 7—Continued

REGION	t	MALE EMPLOYEE		FEMALE EMPLOYEE		SPOUSE		CHILD	
		Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t
Pacific States.....	\$ 0	264	.....	120	.....	344	.....	319	.....
	25	260	24.82	119	24.92	336	24.76	305	24.75
	50	250	49.02	118	49.63	324	48.78	279	47.87
	100	222	93.94	101	95.48	281	93.10	189	85.33
	200	133	160.53	59	160.50	173	158.42	68	123.81
	300	90	202.05	39	201.71	108	198.23	35	138.87
	400	65	231.44	23	226.83	68	222.50	18	147.40
	500	46	251.14	11	241.30	40	238.38	13	151.96
	600	37	266.56	8	248.38	30	248.50	10	155.42
	700	31	279.85	7	254.28	21	255.46	8	158.18
	800	25	290.23	2	257.38	14	260.65	8	160.69
	900	22	299.07	2	259.04	12	264.32	6	162.97
	1,000	19	306.61	2	260.71	10	267.36	6	164.85
	1,500	8	327.27	1	268.23	5	277.53	2	170.33
	2,000	5	339.66	1	272.40	3	283.03	1	173.38
	2,500	4	348.98	.....	275.62	3	287.39	1	174.95
	3,000	4	356.55	.....	275.62	1	290.72	.....	176.14
	Unlimited	.....	380.65	.....	275.62	.....	290.99	.....	176.14

TABLE 7 *Continued*

REGION	t	MALE EMPLOYEE		FEMALE EMPLOYEE		SPOUSE		CHILD	
		Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t
Gulf States.....	\$ 0	674	.....	251	.....	917	.....	805	.....
	25	667	24.88	249	24.95	904	24.92	775	24.63
	50	636	49.19	244	49.60	868	49.11	707	47.85
	100	513	92.39	213	95.42	755	93.86	464	84.90
	200	263	149.02	110	160.75	436	157.08	121	117.22
	300	161	179.93	54	191.47	249	194.28	53	126.76
	400	108	199.48	30	207.65	145	214.91	29	131.66
	500	76	213.37	16	216.12	91	227.53	21	134.61
	600	64	223.82	11	221.73	57	235.15	15	136.65
	700	54	232.89	8	225.08	38	240.22	13	138.47
	800	43	240.05	6	227.50	27	243.67	11	139.98
	900	36	245.76	5	229.61	22	246.29	7	141.31
	1,000	28	250.44	4	231.44	21	248.68	6	142.07
	1,500	13	264.51	3	237.68	10	256.26	3	144.22
	2,000	6	272.06	2	243.14	4	259.70	2	145.48
	2,500	3	275.82	1	245.46	3	261.48	1	146.19
	3,000	3	278.05	1	247.45	2	262.75	1	146.81
Unlimited	.....	280.55	.....	248.64	.....	268.06	.....	150.90	

TABLE 7—Continued

REGION	t	MALE EMPLOYEE		FEMALE EMPLOYEE		SPOUSE		CHILD	
		Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t
Southeastern States	\$ 0	1,249		827		1,346		1,081	
	25	1,227	24.88	817	24.90	1,330	24.90	1,036	24.55
	50	1,168	49.03	798	49.39	1,283	49.20	925	47.45
	100	945	91.70	651	93.74	1,085	93.65	594	83.81
	200	456	145.82	331	152.39	581	154.08	160	112.65
	300	252	172.60	172	181.37	337	187.24	73	123.02
	400	164	188.92	97	197.26	207	206.97	47	128.44
	500	121	200.14	56	206.14	139	219.43	33	131.99
	600	93	208.69	40	212.07	92	227.70	24	134.60
	700	71	215.06	33	216.44	71	233.84	20	136.59
	800	64	220.39	24	219.76	57	238.54	18	138.42
	900	53	224.97	20	222.58	46	242.25	12	139.74
	1,000	42	228.80	19	224.93	40	245.35	9	140.68
	1,500	17	239.98	8	231.78	19	255.33	6	143.91
	2,000	9	244.73	6	236.06	12	261.13	3	145.63
	2,500	4	247.55	4	239.06	8	264.60	3	147.01
	3,000	2	248.71	4	241.48	6	267.11	2	148.17
Unlimited		254.13		246.57		276.60		149.14	

TABLE 8
 SAMPLE OF GROUP HOSPITAL AND SURGICAL EXPENSE INSURANCE
 1967-69 Hospital Nonmaternity Outpatient Ancillary Summary by Region

REGION	t	MALE EMPLOYEE		FEMALE EMPLOYEE		SPOUSE		CHILD	
		Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t
Total: all locations.....	\$ 0	3,312		1,184		2,287		9,853	
	5	3,154	4.98	1,139	4.98	2,196	4.98	9,176	4.96
	10	2,513	9.42	963	9.58	1,815	9.55	6,613	9.21
	15	1,916	12.87	779	13.37	1,423	13.22	4,519	12.18
	20	1,417	15.48	621	16.39	1,092	16.05	3,072	14.18
	25	1,097	17.45	494	18.80	857	18.23	2,200	15.57
	30	844	18.95	390	20.73	634	19.91	1,558	16.56
	35	653	20.11	299	22.23	478	21.16	1,093	17.25
	40	517	21.03	225	23.37	357	22.11	765	17.74
	45	416	21.75	191	24.27	288	22.84	565	18.09
	50	338	22.34	154	25.01	228	23.42	411	18.34
	100	58	24.55	49	28.42	64	26.12	55	19.14
	200	16	25.49	19	30.72	21	27.62	7	19.34
	Unlimited		26.38		35.42*		31.22*		19.59

* See remarks in text.

TABLE 8—Continued

REGION	t	MALE EMPLOYEE		FEMALE EMPLOYEE		SPOUSE		CHILD	
		Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t
New England States.....	\$ 0	352		158		252		870	
	10	264	9.43	122	9.61	205	9.57	568	9.28
	25	122	17.76	62	18.85	89	18.56	221	15.90
	50	32	22.24	18	24.66	23	23.05	32	18.82
	100	8	24.38	8	28.05	10	26.10	7	19.67
	Unlimited		25.85		30.75		32.18*		19.96
Middle Atlantic States....	\$ 0	623		219		415		1,515	
	10	458	9.36	191	9.72	314	9.40	957	8.99
	25	227	17.54	110	19.96	149	17.82	384	15.44
	50	61	22.71	36	27.72	37	22.74	55	18.42
	100	11	25.19	5	31.02	14	25.51	5	19.04
	Unlimited		25.77		33.70		34.67*		19.39
North Central States.....	\$ 0	1,411		462		963		4,482	
	10	1,044	9.38	381	9.55	758	9.55	2,918	9.20
	25	432	16.95	186	18.66	362	18.05	873	15.14
	50	141	21.52	56	24.66	94	23.17	169	17.53
	100	20	23.54	17	27.63	15	25.38	18	18.24
	Unlimited		25.28		37.98*		27.85		18.70
Plains States.....	\$ 0	143		67		106		510	
	10	189	9.49	51	9.45	83	9.64	347	9.15
	25	44	17.27	23	17.43	42	18.31	73	14.70
	50	12	21.73	10	22.54	14	24.75	14	16.39
	100	1	23.11	4	27.58	6	29.02	1	16.90
	Unlimited		23.24		34.01*		32.65		17.05

* See remarks in text.

TABLE 8—Continued

REGION	t	MALE EMPLOYEE		FEMALE EMPLOYEE		SPOUSE		CHILD	
		Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t	Number of Claims Greater than t	Average Charge, Maximizing Charges at t
Mountain States.....	\$ 0	72		26		35		190	
	10	54	9.54	20	9.12	28	9.71	123	8.99
	25	25	17.00	12	17.85	10	18.03	39	14.58
	50	6	22.35	5	25.00	3	22.31	8	17.46
	100		22.82	2	29.31		23.86		18.05
	Unlimited		22.82		43.04*		23.86		18.05
Pacific States.....	\$ 0	102		25		87		428	
	10	92	9.67	20	9.56	72	9.63	333	9.44
	25	49	20.37	12	18.96	38	19.28	149	17.49
	50	23	28.98	5	26.40	14	26.37	48	22.77
	100	5	34.72	2	32.60	6	31.98	8	25.00
	Unlimited		39.03*		39.24*		59.55*		25.73
Gulf States.....	\$ 0	206		37		128		673	
	10	168	9.51	29	9.46	107	9.66	510	9.47
	25	75	18.21	13	17.54	49	18.85	173	17.02
	50	30	24.15	6	23.24	9	23.77	31	20.41
	100	5	27.44	2	28.38	3	25.75	3	21.17
	Unlimited		29.89		33.11		26.82		22.41
Southeastern States.....	\$ 0	400		189		300		1,178	
	10	320	9.51	149	9.63	248	9.59	851	9.34
	25	123	17.82	76	18.66	118	18.54	286	16.13
	50	33	22.36	18	24.16	34	24.17	53	19.16
	100	8	24.14	9	27.33	10	27.10	13	20.08
	Unlimited		28.49		34.65*		30.56		20.43

* See remarks in text.

TABLE 9
 SAMPLE OF GROUP HOSPITAL AND SURGICAL EXPENSE INSURANCE
 1967-69 Surgical Nonobstetrical Claim Summary by Place Performed
 All Areas Combined

WHERE PERFORMED	SINGLE SURGICAL PROCEDURE CLAIMS		MULTIPLE SURGICAL PROCEDURE CLAIMS		SINGLE SURGICAL PROCEDURE CLAIMS		MULTIPLE SURGICAL PROCEDURE CLAIMS	
	Number of Claims	Average Surgical Charge	Number of Claims	Average Surgical Charge	Number of Claims	Average Surgical Charge	Number of Claims	Average Surgical Charge
	Male Employee				Female Employee			
Inpatient	2,931	199	695	384	2,113	189	540	344
Outpatient	1,429	37	84	85	490	48	34	100
Out of hospital	3,107	32	210	72	1,519	36	135	73
Unknown	124	49	7	88	62	58	2	203
Grand total	7,591	98	996	291	4,184	115	711	281
	Spouse				Child			
Inpatient	3,987	195	1,021	342	4,250	135	541	238
Outpatient	897	42	56	68	4,053	32	94	62
Out of hospital	2,743	33	256	75	3,941	29	139	47
Unknown	105	36	6	102	198	39	9	103
Grand total	7,732	118	1,339	279	12,442	66	783	182

TABLE 10A
 SAMPLE OF GROUP HOSPITAL AND SURGICAL EXPENSE INSURANCE
 1967-69 Surgical Nonobstetrical Summary by Procedure
 Male Employee, All Areas Combined

SELECTED PROCEDURES	SINGLE SURGICAL PROCEDURE CLAIMS			
	All Claims			Inpatient Claims, Average Duration
	Number of Claims	Per Cent of Total	Average Surgical Charge	
Abscess, superficial; incision and drainage of one	163	2.16	18	4.5
Appendectomy, with or without incision and drainage of appendiceal abscess	126	1.67	214	7.3
Cataract, extraction of lens	52	.69	409	6.6
Cholecystectomy	62	.82	340	12.3
Cystoscopy, diagnostic, with or without biopsy, with ureteral catheterization	80	1.06	73	4.1
Fracture:				
Of finger or thumb; closed reduction of one	51	.68	31	*
Of radius; closed reduction	28	.37	70	*
Gastrectomy, with or without vagotomy; partial	17	.23	491	18.9
Hemorrhoidectomy, external and internal, or internal; without fistulectomy or fistulotomy	118	1.57	164	6.9
Herniotomy, unilateral; inguinal, femoral, or umbilical	270	3.59	206	6.8
Laceration of face, neck, genitalia, or hands:				
1 inch or less	218	2.89	23	3.8
1-2 inches	114	1.51	26	*
Nasal septum, submucous resection of, with or without reconstruction of columella	52	.69	225	3.5
Pilonidal cyst, excision of	48	.64	142	5.2
Proctoscopy, with or without anoscopy, diagnostic, with or without biopsy	61	.81	17	5.3
Proctosigmoidoscopy or sigmoidoscopy, diagnostic, with or without biopsy	266	3.53	18	5.8
Prostatectomy, one or more stages; transurethral by resectoscope	36	.48	404	11.7
Sebaceous cyst; excision of one	211	2.80	25	2.2
Strabismus, operation for; unilateral	2	.03	275	*
Thyroidectomy, total or subtotal, without neck dissection	11	.15	208	6.5
Tonsillectomy, with or without adenoidectomy	84	1.12	104	2.6
Tumor, benign, superficial; excision of one; all body areas	594	7.89	29	4.7
Vasectomy, unilateral or bilateral	86	1.14	82	3.9
All others	4,781	63.48	97	9.1
Grand total	7,531	100.00	95	8.3

* Less than five claims.

TABLE 10B

SAMPLE OF GROUP HOSPITAL AND SURGICAL EXPENSE INSURANCE
1967-69 Surgical Nonobstetrical Summary by Procedure
Female Employee, All Areas Combined

SELECTED PROCEDURES	SINGLE SURGICAL PROCEDURE CLAIMS			
	All Claims			Inpatient Claims, Average Duration
	Number of Claims	Per Cent of Total	Average Surgical Charge	
Abscess, superficial; incision and drainage of one	44	1.06	23	*
Appendectomy, with or without incision and drainage of appendiceal abscess	38	.91	219	7.8
Cataract, extraction of lens	14	.34	375	6.1
Cholecystectomy	85	2.04	324	10.6
Cystoscopy, diagnostic, with or without biopsy, with ureteral catheterization	45	1.08	68	5.7
Dilation and curettage of uterus, non-puerperal	346	8.29	91	3.2
Fracture:				
Of finger or thumb; closed reduction of one	12	.29	21	
Of radius; closed reduction	23	.55	89	7.0
Gastrectomy, with or without vagotomy; partial	3	.07	401	*
Hemorrhoidectomy, external and internal, or internal; without fistulectomy or fistulotomy	29	.70	162	7.3
Herniotomy, unilateral; inguinal, femoral, or umbilical	29	.70	212	7.2
Hysterectomy, with or without D&C, complete or total, with or without adnexa	133	3.19	361	9.7
Laceration of face, neck, genitalia, or hands:				
1 inch or less	54	1.30	16	
1-2 inches	23	.55	29	*
Mastectomy, radical, with axillary node dissection and pectoral muscle	24	.58	427	10.3
Nasal septum, submucous resection of, with or without reconstruction of columella	9	.22	281	3.0
Pilonidal cyst, excision of	12	.29	164	5.6
Proctoscopy, with or without anoscopy, diagnostic, with or without biopsy	28	.67	14	7.1
Proctosigmoidoscopy or sigmoidoscopy, diagnostic, with or without biopsy	146	3.49	19	6.7
Sebaceous cyst; excision of one	47	1.13	27	*
Strabismus, operation for; unilateral	2	.05	262	*
Thyroidectomy, total or subtotal, without neck dissection	32	.77	299	7.4
Tonsillectomy, with or without adenoidectomy	84	2.01	103	2.6
Tumor, benign, superficial; excision of one; all body areas	288	6.90	35	3.3
All others	2,620	62.82	108	7.8
Grand total	4,170	100.00	113	6.9

* Less than five claims.

TABLE 10C
 SAMPLE OF GROUP HOSPITAL AND SURGICAL EXPENSE INSURANCE
 1967-69 Surgical Nonobstetrical Summary by Procedure
 Spouse, All Areas Combined

SELECTED PROCEDURES	SINGLE SURGICAL PROCEDURE CLAIMS			
	All Claims			Inpatient Claims, Average Duration
	Number of Claims	Per Cent of Total	Average Surgical Charge	
Abscess, superficial; incision and drainage of one	79	1.03	18	*
Appendectomy, with or without incision and drainage of appendiceal abscess	81	1.05	216	7.0
Cataract, extraction of lens	27	.35	429	7.8
Cholecystectomy	190	2.47	334	11.9
Cystoscopy, diagnostic, with or without biopsy, with ureteral catheterization	86	1.12	59	6.4
Dilation and curettage of uterus, non-puerperal	645	8.40	90	3.2
Fracture:				
Of finger or thumb; closed reduction of one	21	.27	33	
Of radius; closed reduction	41	.53	73	2.1
Gastrectomy, with or without vagotomy; partial	5	.07	530	17.8
Hemorrhoidectomy, external and internal, or internal; without fistulectomy or fistulotomy	79	1.03	168	7.5
Herniotomy, unilateral; inguinal, femoral, or umbilical	61	.79	199	7.1
Hysterectomy, with or without D&C; complete or total, with or without adnexa	272	3.54	366	10.0
Laceration of face, neck, genitalia, or hands:				
1 inch or less	140	1.82	21	5.2
1-2 inches	45	.59	23	
Mastectomy, radical, with axillary node dissection and pectoral muscle	31	.40	420	16.9
Nasal septum, submucous resection of, with or without reconstruction of columella	14	.18	307	3.6
Pilonidal cyst, excision of	6	.08	168	*
Proctoscopy, with or without anoscopy, diagnostic, with or without biopsy	40	.52	23	4.8
Proctosigmoidoscopy or sigmoidoscopy, diagnostic, with or without biopsy	243	3.16	19	5.2
Prostatectomy, one or more stages, trans-urethral by resectoscope	5	.07	436	14.0
Sebaceous cyst; excision of one	98	1.28	31	4.1
Strabismus, operation for; unilateral	3	.04	252	*
Thyroidectomy, total or subtotal, without neck dissection	57	.74	317	7.2
Tonsillectomy, with or without adenoidectomy	79	1.03	100	2.9
Tumor, benign, superficial; excision of one; all body areas	473	6.16	29	*
Vasectomy, unilateral or bilateral	4	.05	85	*
All others	4,858	63.23	103	7.7
Grand total	7,683	100.00	114	7.2

* Less than five claims.

TABLE 10D
 SAMPLE OF GROUP HOSPITAL AND SURGICAL EXPENSE INSURANCE
 1967-69 Surgical Nonobstetrical Summary by Procedure
 Child, All Areas Combined

SELECTED PROCEDURES	SINGLE SURGICAL PROCEDURE CLAIMS			
	All Claims			Inpatient Claims, Average Duration
	Number of Claims	Per Cent of Total	Average Surgical Charge	
Abscess, superficial; incision and drainage of one	126	1.01	18	6.7
Appendectomy, with or without incision and drainage of appendiceal abscess	299	2.41	191	6.1
Cataract, extraction of lens	1	.01	360	*
Cholecystectomy	2	.02	325	*
Cystoscopy, diagnostic, with or without biopsy, with ureteral catheterization	49	.39	70	2.6
Dilation and curettage of uterus, non-puerperal	20	.16	92	2.4
Fracture:				
Of finger or thumb; closed reduction of one	167	1.34	29	*
Of radius; closed reduction	273	2.20	67	2.0
Gastrectomy, with or without vagotomy; partial	1	.01	675	*
Hemorrhoidectomy, external and internal, or internal; without fistulectomy or fistulotomy	1	.01	70	
Herniotomy, unilateral; inguinal, femoral, or umbilical	185	1.49	183	3.4
Laceration of face, neck, genitalia, or hands:				
1 inch or less	1,078	8.68	18	2.3
1-2 inches	418	3.37	23	4.3
Nasal septum, submucous resection of, with or without reconstruction of columella	24	.19	346	3.7
Pilonidal cyst, excision of	25	.20	144	5.7
Proctoscopy, with or without anoscopy, diagnostic, with or without biopsy	5	.04	18	*
Proctosigmoidoscopy or sigmoidoscopy, diagnostic, with or without biopsy	18	.15	29	9.5
Sebaceous cyst; excision of one	52	.42	32	1.3
Strabismus, operation for; unilateral	58	.47	256	2.4
Thyroidectomy, total or subtotal, without neck dissection	24	.19	141	5.8
Tonsillectomy, with or without adenoidectomy	1,729	13.92	88	1.8
Tumor, benign, superficial; excision of one; all body areas	501	4.03	26	2.6
All others	7,361	59.29	62	4.8
Grand total	12,417	100.00	65	3.5

* Less than five claims.

APPENDIX

INSTRUCTIONS FOR CONTRIBUTING COMPANIES

The following is a brief description of the instructions used by contributing companies for submitting data to this study.

1. GENERAL

Cases submitted must have accurate exposure information reported with respect to age, sex, area, number of employees, and number of dependent units. The plan of benefits must include hospital and surgical and may or may not include supplementary major medical. Hospital and surgical maternity benefits should also be included but are not mandatory. For cases without supplementary major medical, the basic hospital plan must provide at least seventy days' room and board and an ancillary benefit of twenty times the daily room and board benefit or more. For cases with supplementary major medical, the basic plan must provide at least thirty-one days' room and board and an ancillary benefit of ten times the daily room and board benefit or more, but all charges are reported for at least the first seventy days of hospital confinement.

Claims are on a calendar-year incurred basis, although provision is made for submission on a twelve-month-period basis, which approximates the calendar year of study.

2. EXCLUSIONS

Exclusions from this study are similar to those of the weekly indemnity, hospital, surgical, supplementary major medical, and comprehensive medical studies included elsewhere in this report.

3. CLAIM INFORMATION

A claim card is submitted for each claim involving a different cause of disability in accordance with the company's definition. Generally, if successive periods of hospital confinement are treated as one period for purposes of payment, the successive periods of confinement would be combined and submitted as one claim. Two or more surgical procedures performed for the same cause of disability are reported on one claim card and coded for the major and second procedure.

The claim record contains the data indicated in this report as well as other data which the Committee hopes to set forth in future reports, including a very brief cause of disability code, intensive care charges and durations, and nursery charges.

4. EXPOSURE INFORMATION

An exposure card containing the data indicated in this report is submitted for each case.

5. PLAN INFORMATION

A plan card containing codes describing important benefit features of the hospital, surgical, and supplementary major medical coverage is submitted for each case.