

TRANSACTIONS OF SOCIETY OF ACTUARIES 1950 REPORTS

1950 REPORT OF THE COMMITTEE ON GROUP MORTALITY AND MORBIDITY

SECTION II—GROUP ACCIDENT AND HEALTH INSURANCE, INCLUDING GROUP HOSPITAL AND SURGICAL EXPENSE INSURANCE

THIS is the third in a series of reports covering the investigation of Group Accident and Health experience, including Group Hospital and Surgical Expense benefits. The material contained in this report and the manner in which it is presented differ in certain important respects from that of the first two reports.

The basic tables contained in this report furnish the crude claim costs for the total experience of three policy years. This period of observation for companies using the "exact" claim basis covers policy years ending July 1, 1946, to June 30, 1949, inclusive. For companies using the "adjusted" claim basis, the period of observation covers policy years ending in the calendar years 1947 to 1949, inclusive. The "exact" claim basis refers to the use of actual claims incurred during the policy year. The date first absent for Accident and Sickness, the date of hospitalization for Employee Hospital Expense or the date of operation for Employee and Dependents Surgical Expense represent the incurred date. The "adjusted" claim basis refers to the use of claims, or portions thereof, paid or reported during the policy year plus the estimated increase in claims outstanding at the end of the policy year over those outstanding at the beginning of the policy year. In order to minimize the effect of estimating outstanding claims, the experience of the first policy year was not submitted by companies using the "adjusted" claim basis. The reason for using different periods in compiling these reports is that the "exact" claim experience is not available until several months after the close of the policy year, whereas the "adjusted" claim experience is available much sooner. Some reservations are held regarding the combination of experience for two bases for different periods of time. However, it is felt that a three-year compilation, such as this, will minimize any effects produced by the combination.

The non-rated Accident and Sickness and Employee Hospital Expense crude claim costs shown in the basic tables of this report contain the experience of groups in industrial classifications which have been rated standard for premium purposes by the contributing company. This differs from the manner in which the previous two reports were compiled since, in those reports, the experience of all groups in industrial classifications, which were rated sub-standard for premium purposes by any one company, was excluded from the non-rated experience. When a sufficient volume of experience accumulates, the Committee expects to analyze the relative mor-

bidity of various industrial classifications, whether or not they fall entirely or partly within the industrial classifications included in the non-rated experience of this report. However, the over-all experience of all groups rated sub-standard for premium purposes by each of the contributing companies is furnished in this report.

Most of the companies submitted the actual percentage of benefits on females for each female percentage grouping. Accordingly Table XIII was prepared showing the effective female percents corresponding to the usual female percentage groupings for each of the employee plans.

In compiling previous reports, the Committee excluded the experience of jumbo groups, i.e. employee groups having more than 5,000 lives and dependent groups attached to such employee groups. This was done to minimize the effect that any one group might have on the experience in a particular female percentage grouping or a particular plan. In this report, however, the experience of such jumbo groups has not been excluded. Rather, a complete analysis by size of group based on the volume of exposure has been made. This analysis shows ratios of actual to expected claims for each size category. For a dependent plan of insurance, the expected claims for a size grouping were obtained by applying the crude claim cost of the plan to the exposure of that size grouping. For an employee plan of insurance, the expected claims for a size grouping were obtained by applying the crude claim costs (non-rated industries) for each female percentage grouping to the corresponding exposure subdivisions of that size grouping. It should be kept in mind that the resulting ratios may be affected by underlying variations in other factors such as industrial classification, geographical location, etc. This analysis by size of group indicated for the Accident and Sickness plans that the experience becomes somewhat less favorable with increase in size. The results for the Hospital and Surgical plans were even less conclusive, but they indicated a similar trend except for the smallest size groupings.

Using a procedure similar to that described above for the size groupings, expected claims were obtained for the individual experience years. Ratios of actual to expected claims were determined as an indication of the secular trend underlying the accumulated experience. Table III shows that the Group Accident and Sickness experience of the last year improved slightly over that of the preceding year. However, the Group Hospital and Surgical Expense Insurance trend table (Table XII) indicates that the last year's experience was not quite as favorable as that of the preceding year except for one of the plans studied.

Provision has been made by the Committee to study morbidity experience by geographical location when a sufficient volume of experience becomes available. The experience covered by this report excludes insured

groups outside of the Continental United States. Furthermore, this report includes the combined experience of employer-employee groups with 50 or more lives at issue and with less than 50 lives at issue. Trusteeship and association cases insuring employees or member employers of the trusteeship or association and union cases where insurance depends on continued employment are excluded.

Before presenting the detailed experience for each of the five forms of coverages included in this investigation, it may be well to call again attention to some of the limitations that are involved in a morbidity investigation of this type. Essentially, these limitations arise because, for practical reasons, the experience cannot be sub-divided and analyzed according to the many factors which may affect the experience of a particular group or groups. In other words, the results must be described as representing the composite experience of groups having various geographical locations, industrial classifications, distributions of exposure by age, different types of claim administration, levels of benefits, etc. Furthermore, the information on which the female percentage groupings are based can by no means be considered completely accurate. Keeping these limitations in mind, the tables setting forth the non-rated and rated experience as well as the analysis by size of groups are now presented.

The following companies have contributed experience for the investigation covered by this section:

- Aetna Life Insurance Company
- Connecticut General Life Insurance Company
- Continental Assurance Company
- Equitable Life Assurance Society
- John Hancock Mutual Life Insurance Company
- Metropolitan Life Insurance Company
- Prudential Insurance Company of America
- Travelers Insurance Company

COMBINED 1947, 1948, AND 1949 POLICY YEARS' EXPERIENCE

TABLE 1a

Group Accident and Sickness Insurance

Non-Rated Industries, All Exposure Size Groups

Female Percent	13 Week Plans							
	1 st Day Accident and 4 th Day Sickness				4 th Day Accident and 4 th Day Sickness			
	Number of Groups Insured	Actual Weekly Indemnity Exposed	Claims	Annual Claim Cost Per \$1 of Actual Exposure	Number of Groups Insured	Actual Weekly Indemnity Exposed	Claims	Annual Claim Cost Per \$1 of Actual Exposure
<11%	3,843	8,756,400	5,309,173	.61	665	2,829,350	1,629,222	.58
11-21	1,794	5,214,290	3,572,095	.69	343	2,577,740	1,649,985	.64
21-31	792	3,917,640	3,040,469	.78	181	803,890	571,366	.71
31-41	362	991,490	881,042	.89	106	461,100	367,072	.80
41-51	196	643,720	508,175	.79	46	152,440	128,020	.84
51-61	128	238,240	247,235	1.04	32	98,150	71,083	.72
61-71	91	193,420	206,624	1.07	18	52,070	42,180	.81
71-81	53	171,880	158,534	.92	23	67,280	65,060	.97
81-91	46	76,450	74,259	.97	6	16,450	19,648	1.19
91-100	15	15,450	15,056	.97	6	9,910	8,941	.90
Total...	7,320	20,218,980	14,012,662		1,426	7,068,380	4,552,577	
Female Percent	26 Week Plans							
	1 st Day Accident and 8 th Day Sickness				8 th Day Accident and 8 th Day Sickness			
	Number of Groups Insured	Actual Weekly Indemnity Exposed	Claims	Annual Claim Cost Per \$1 of Actual Exposure	Number of Groups Insured	Actual Weekly Indemnity Exposed	Claims	Annual Claim Cost Per \$1 of Actual Exposure
<11%	7,039	24,965,110	12,657,264	.51	2,320	16,492,110	8,617,589	.52
11-21	3,755	12,934,590	7,055,042	.55	1,401	13,894,050	7,808,167	.56
21-31	2,047	10,140,050	6,542,206	.65	773	10,865,720	7,313,712	.67
31-41	1,377	6,427,590	4,614,512	.72	609	4,354,480	2,989,042	.69
41-51	919	3,460,250	2,636,955	.76	431	2,826,310	2,224,362	.79
51-61	654	2,020,960	1,709,200	.85	270	1,011,630	751,315	.74
61-71	464	1,418,360	1,183,295	.83	230	754,980	634,960	.84
71-81	329	841,380	791,255	.94	166	843,410	736,830	.87
81-91	191	408,070	425,664	1.04	133	392,100	347,093	.89
91-100	49	88,650	71,661	.81	31	43,710	56,649	1.30
Total...	16,824	62,705,010	37,687,054		6,364	51,478,500	31,479,719	
Female Percent	26 Week Plans							
	1 st Day Accident and 8 th Day Sickness				8 th Day Accident and 8 th Day Sickness			
	Number of Groups Insured	Actual Weekly Indemnity Exposed	Claims	Annual Claim Cost Per \$1 of Actual Exposure	Number of Groups Insured	Actual Weekly Indemnity Exposed	Claims	Annual Claim Cost Per \$1 of Actual Exposure
<11%	275	1,968,510	1,525,904	.78	407	4,664,970	3,131,737	.67
11-21	132	1,409,590	1,143,357	.81	235	3,095,730	2,323,926	.75
21-31	59	696,610	407,615	.59	127	2,876,130	2,212,702	.77
31-41	43	153,290	96,887	.63	67	520,120	404,184	.78
41-51	41	103,240	69,268	.67	26	159,140	169,075	1.06
51-61	15	68,040	36,441	.54	20	216,390	244,867	1.13
61-71	2	4,250	2,226	.52	10	15,590	13,286	.85
71-81	—	—	—	—	1	940	450	.48
81-91	—	—	—	—	5	15,810	12,311	.78
91-100	1	640	454	.71	3	13,500	12,394	.92
Total...	568	4,404,170	3,282,152		901	11,578,320	8,524,932	

COMBINED 1947, 1948, AND 1949 POLICY YEARS' EXPERIENCE

TABLE Ib

Group Accident and Sickness Insurance
Rated Industries, All Exposure Size Groups

Female Percent	13 Week Plans							
	1 st Day Accident and 4 th Day Sickness				4 th Day Accident and 4 th Day Sickness			
	Number of Groups Insured	Actual Weekly Indemnity Exposed	Claims	Annual Claim Cost Per \$1 of Actual Exposure	Number of Groups Insured	Actual Weekly Indemnity Exposed	Claims	Annual Claim Cost Per \$1 of Actual Exposure
<11%	235	743,330	513,090	.69	48	390,690	330,926	.85
11-21	60	117,600	78,456	.67	8	16,880	12,878	.76
21-31	22	39,050	21,774	.56	9	17,020	8,694	.51
31-41	14	13,590	10,557	.78	3	12,150	4,394	.36
41-51	9	68,820	61,756	.90	—	—	—	—
51-61	3	1,830	1,089	.60	2	3,480	3,355	.96
61-71	1	70	14	.20	—	—	—	—
71-81	1	4,940	3,718	.75	—	—	—	—
81-91	2	3,426	3,033	.89	—	—	—	—
91-100	—	—	—	—	—	—	—	—
Total.....	347	992,650	693,487		70	440,220	360,247	
Female Percent	1 st Accident and 8 th Day Sickness				8 th Day Accident and 8 th Day Sickness			
	Number of Groups Insured	Actual Weekly Indemnity Exposed	Claims	Annual Claim Cost Per \$1 of Actual Exposure	Number of Groups Insured	Actual Weekly Indemnity Exposed	Claims	Annual Claim Cost Per \$1 of Actual Exposure
	<11%	720	2,965,750	1,525,002	.51	507	6,984,060	3,769,559
11-21	296	1,321,620	797,822	.60	103	685,820	439,948	.64
21-31	237	2,904,580	2,266,043	.78	75	645,380	511,138	.79
31-41	227	950,200	798,864	.84	110	662,190	473,110	.71
41-51	145	767,050	688,936	.90	84	628,680	634,284	1.01
51-61	94	428,390	425,917	.99	63	586,250	549,838	.94
61-71	49	89,850	93,986	1.05	48	150,730	146,073	.97
71-81	47	144,850	104,072	.72	27	51,270	46,788	.91
81-91	10	16,440	14,691	.89	15	18,790	24,270	1.29
91-100	4	12,810	7,948	.62	—	—	—	—
Total.....	1,829	9,601,540	6,723,281		1,032	10,413,170	6,595,008	
Female Percent	26 Week Plans							
	1 st Day Accident and 8 th Day sickness				8 th Day Accident and 8 th Day Sickness			
	Number of Groups Insured	Actual Weekly Indemnity Exposed	Claims	Annual Claim Cost per \$1 of Actual Exposure	Number of Groups Insured	Actual Weekly Indemnity Exposed	Claims	Annual Claim Cost Per \$1 of Actual Exposure
<11%	25	117,280	85,483	.73	78	2,133,520	1,798,653	.84
11-21	23	102,400	73,027	.71	12	152,860	152,454	1.00
21-31	5	26,740	21,512	.80	—	—	—	—
31-41	3	12,810	15,679	1.22	5	5,600	3,940	.70
41-51	4	1,500	1,043	.70	4	126,860	176,550	1.39
51-61	—	—	—	—	2	63,050	58,728	.93
61-71	1	6,870	6,551	.95	2	8,150	6,771	.83
71-81	1	9,430	10,501	1.11	1	8,640	5,662	.66
81-91	—	—	—	—	—	—	—	—
91-100	—	—	—	—	—	—	—	—
Total.....	62	277,030	213,796		104	2,498,680	2,202,758	

COMBINED 1947, 1948, AND 1949 POLICY YEARS' EXPERIENCE

TABLE II

Group Accident and Sickness Insurance
Non-Rated Industries

Exposure Size Grouping Code	Exposure Size Grouping Per \$10 of Weekly Indemnity	1-8-13 Plan		8-8-13 Plan		All Accident and Sickness Plans Combined	
		Actual Claims	Ratio of Actual to Expected Claims	Actual Claims	Ratio of Actual to Expected Claims	Actual Claims	Ratio of Actual to Expected Claims
0	To 49	529,511	89%	122,545	84%	1,087,752	88%
1	50- 99	1,702,493	87	475,510	83	3,271,488	88
2	100- 199	3,132,306	89	1,115,044	85	6,263,103	89
3	200- 499	5,344,255	95	2,781,430	94	11,541,943	95
4	500- 999	4,526,565	99	2,620,130	94	10,120,439	98
5	1,000-1,499	2,986,021	104	1,760,249	94	6,566,473	100
6	1,500-1,999	2,085,840	105	1,277,357	94	4,708,516	101
7	2,000-3,999	5,711,246	108	4,409,671	99	13,520,384	104
8	4,000-9,999	6,171,665	104	4,381,475	107	15,574,170	103
9	10,000 and over	5,497,152	99	12,536,308	106	26,884,828	104
0-9	Total	37,687,054	100%	31,479,719	100%	99,539,096	100%

TABLE III

Group Accident and Sickness Insurance
Non-Rated Industries, All Exposure Size Groups
Secular Trend
Ratios of Actual to Expected Claims

Policy Year Experience	1-4-13 Plan	4-4-13 Plan	1-8-13 Plan	8-8-13 Plan	1-8-26 Plan	8-8-26 Plan	All Accident and Sickness
1947	107%	103%	102%	103%	107%	104%	104%
1948	97	99	99	100	100	102	99
1949	95	98	98	98	96	95	97

COMBINED 1947, 1948, AND 1949 POLICY YEARS' EXPERIENCE

TABLE IV a

Employee Group Hospital Expense Insurance
 Non-Rated Industries, All Exposure Size Groups
 Fixed Benefit Plans

Female Percent	31 Day, 14 + 5X, 5X*				70 Day, 14 + 5X, 5X				31 Day, 14 + 10X, 10X			
	Number of Groups Insured	"Actual" Daily Benefit Exposed	Claims	Annual Claim Cost Per \$1 of Actual Exposure	Number of Groups Insured	"Actual" Daily Benefit Exposed	Claims	Annual Claim Cost Per \$1 of Actual Exposure	Number of Groups Insured	"Actual" Daily Benefit Exposed	Claims	Annual Claim Cost Per \$1 of Actual Exposure
<11%	5,043	4,915,774	4,310,401	.88	1,036	1,355,065	1,315,451	.97	1,996	2,447,514	2,604,007	1.06
11-21	3,460	4,310,799	4,022,586	.93	827	1,057,681	1,147,698	1.09	1,033	1,339,524	1,433,396	1.07
21-31	2,322	2,665,613	2,762,125	1.04	478	906,150	972,838	1.07	613	896,717	1,078,358	1.20
31-41	1,608	2,497,624	2,821,417	1.13	292	326,260	381,421	1.17	403	694,229	860,325	1.24
41-51	1,177	1,328,407	1,527,379	1.15	214	299,981	371,228	1.24	277	314,070	447,638	1.43
51-61	849	932,540	1,130,839	1.21	164	166,677	220,984	1.33	165	202,660	296,033	1.46
61-71	622	545,053	668,004	1.23	127	110,666	157,446	1.42	107	111,248	179,070	1.61
71-81	523	441,746	575,413	1.30	78	113,708	169,467	1.49	94	75,264	123,473	1.64
81-91	399	270,865	359,681	1.33	51	35,537	55,969	1.57	50	50,287	82,718	1.64
91-100	122	82,191	121,743	1.48	16	6,309	9,151	1.45	14	4,237	9,661	2.28
Total	16,125	17,990,612	18,299,588		3,283	4,378,034	4,801,655		4,752	6,135,750	7,114,679	

* 31 Day, 14 + 5X, 5X—A plan providing payment of the daily room and board benefit rate for each day of confinement up to a maximum of 31 days for non-maternity confinements and up to a maximum of 14 days for maternity confinements. In addition, reimbursement is provided for all hospital charges, other than for room and board, up to a maximum of 5 times the daily benefit rate for both non-maternity and maternity confinements.

COMBINED 1947, 1948, AND 1949 POLICY YEARS' EXPERIENCE

TABLE IV b

Employee Group Hospital Expense Insurance
 Rated Industries, All Exposure Size Groups
 Fixed Benefit Plans

GROUP ACCIDENT AND HEALTH INSURANCE

Female Percent	31 Day, 14 + 5X, 5X				70 Day, 14 + 5X, 5X				31 Day, 14 + 10X, 10X			
	Number of Groups Insured	"Actual" Daily Benefit Exposed	Claims	Annual Claim Cost Per \$1 of Actual Exposure	Number of Groups Insured	"Actual" Daily Benefit Exposed	Claims	Annual Claim Cost Per \$1 of Actual Exposure	Number of Groups Insured	"Actual" Daily Benefit Exposed	Claims	Annual Claim Cost Per \$1 of Actual Exposure
<11%	501	1,471,734	1,348,539	.92	90	82,337	78,826	.96	197	341,965	381,786	1.12
11-21	248	265,756	249,278	.94	22	37,984	38,949	1.03	77	95,576	116,326	1.22
21-31	155	160,515	151,595	.94	19	63,706	65,557	1.03	41	87,320	101,062	1.16
31-41	177	225,395	218,093	.97	14	13,806	17,236	1.25	24	20,393	23,708	1.16
41-51	158	343,085	399,988	1.17	16	14,476	15,647	1.08	19	20,145	25,887	1.29
51-61	107	160,533	197,419	1.23	7	21,703	34,734	1.60	18	64,044	79,431	1.24
61-71	83	67,102	82,076	1.22	2	905	1,309	1.45	14	7,083	8,457	1.19
71-81	79	60,890	82,639	1.36	4	5,856	7,185	1.23	4	5,280	9,255	1.75
81-91	39	23,602	30,426	1.29	—	—	—	—	4	3,399	6,552	1.93
91-100	19	10,477	15,099	1.44	—	—	—	—	3	802	1,414	1.76
Total.....	1,566	2,789,089	2,775,152		174	240,773	259,443		401	646,007	753,878	

COMBINED 1947, 1948, AND 1949 POLICY YEARS' EXPERIENCE

TABLE V

Employee Group Hospital Expense Insurance
Non-Rated Industries

Exposure Size Grouping Code	Exposure Size Grouping Per \$1 of Daily Benefit	31 Day, 14 + 5X,5X		All Plans Combined	
		Actual Claims	Ratio of Actual to Expected Claims	Actual Claims	Ratio of Actual to Expected Claims
0	To 149	254,922	105%	370,163	108%
1	150- 299	936,080	95	1,423,294	96
2	300- 599	1,797,460	97	2,889,550	98
3	600- 1,499	2,770,927	96	4,587,347	97
4	1,500- 2,499	1,627,309	99	2,708,735	99
5	2,500- 3,999	1,638,110	100	2,767,295	102
6	4,000- 5,999	1,322,830	105	2,207,550	104
7	6,000- 9,999	1,742,638	103	3,198,613	103
8	10,000-29,999	3,321,646	101	5,618,302	101
9	30,000 and over	2,887,666	102	4,445,071	100
0-9	Total	18,299,588	100%	30,215,920	100%

COMBINED 1947, 1948, AND 1949 POLICY YEARS' EXPERIENCE

TABLE VI

Employee Group Surgical Expense Insurance
All Industries, All Exposure Size Groups

Female Percent	Number of Groups Insured	"Actual" Maximum Indemnity Exposed Per \$150	Claims	Annual Claim Cost Per \$150 of Actual Exposure
< 11%	9,969	2,309,041	6,268,474	2.71
11- 21	6,313	1,685,642	5,281,872	3.13
21- 31	4,051	1,375,086	5,009,016	3.64
31- 41	2,846	864,613	3,365,819	3.89
41- 51	2,069	610,963	2,751,510	4.50
51- 61	1,464	414,976	1,922,219	4.63
61- 71	1,086	231,656	1,132,417	4.89
71- 81	807	147,788	795,453	5.38
81- 91	560	94,768	558,684	5.90
91-100	200	24,558	140,041	5.70
Total	29,365	7,759,091	27,225,505	

COMBINED 1947, 1948, AND 1949 POLICY YEARS' EXPERIENCE

TABLE VII

Employee Group Surgical Expense Insurance

All Industries

Exposure Size Grouping Code	Exposure Size Grouping Per \$150 of Maximum Benefit	Actual Claims	Ratio of Actual to Expected Claims
0	To 24	124,388	105%
1	25- 49	713,694	95
2	50- 99	2,018,242	93
3	100- 249	3,870,156	96
4	250- 499	3,423,971	99
5	500- 749	2,000,643	98
6	750- 999	1,477,880	104
7	1,000-1,999	3,700,308	102
8	2,000-5,000	3,579,226	99
9	Over 5,000	6,316,997	105
0-9	Total	27,225,505	100%

COMBINED 1947, 1948, AND 1949 POLICY YEARS' EXPERIENCE

TABLE VIII

Dependents Group Hospital Expense Insurance

All Industries

All Exposure Size Groups

Plan Identification	Number of Groups Insured	Daily Benefit Exposed	Claims	Annual Claim Cost Per \$1 of Exposure
Reimbursement Plans With No Maternity Benefit				
31 Day, 5X	953	779,757	1,454,774	1.87
31 Day, 10X	370	631,688	1,365,142	2.16
70 Day, 5X	259	131,325	257,095	1.96
Reimbursement Plans With 10X Daily Benefit for Maternity				
31 Day, 5X, No Maternity Waiting Period	304	274,436	730,275	2.66
31 Day, 5X, 9 Months Maternity Waiting Period	5,493	3,289,282	8,031,802	2.44
31 Day, 10X, 9 Months Maternity Waiting Period	2,332	1,894,809	5,395,050	2.85
70 Day, 5X, 9 Months Maternity Waiting Period	410	298,731	798,137	2.67
70 Day, 10X, 9 Months Maternity Waiting Period	303	454,726	1,375,329	3.02
Fixed Benefit Plan With 10X Daily Benefit for Maternity				
31 Day, 5X, 9 Months Maternity Waiting Period	577	754,282	1,827,869	2.42

COMBINED 1947, 1948, AND 1949 POLICY YEARS' EXPERIENCE

TABLE IX

Dependents Group Hospital Expense Insurance

All Industries

Exposure Size Grouping Code	Exposure Size Grouping Per \$1 of Daily Benefit	Plans With No Maternity Benefit		31 Day, 10X, 5X 9 Months Waiting Period		Plans With a Maternity Benefit		All Plans Combined	
		Actual Claims	Ratio of Actual to Expected Claims	Actual Claims	Ratio of Actual to Expected Claims	Actual Claims	Ratio of Actual to Expected Claims	Actual Claims	Ratio of Actual to Expected Claims
0	To 149	158,405	103%	652,557	97%	1,124,339	99%	1,282,744	99%
1	150- 299	171,439	97	701,583	96	1,338,471	96	1,507,910	96
2	300- 599	268,193	97	870,092	95	1,789,617	97	2,057,810	97
3	600- 1,499	286,413	96	1,217,616	97	2,548,600	98	2,835,013	98
4	1,500- 2,499	160,432	101	726,113	100	1,498,451	99	1,658,883	99
5	2,500- 3,999	180,525	105	711,829	99	1,551,732	101	1,732,257	101
6	4,000- 5,999	128,535	98	547,694	101	1,222,857	102	1,351,392	102
7	6,000- 9,999	304,299	102	567,126	106	1,553,373	102	1,857,872	102
8	10,000-29,999	610,974	109	768,669	100	2,144,395	98	2,755,369	100
9	30,000 and over	807,796	95	1,268,523	108	3,388,427	105	4,198,223	103
0-9	Total	3,077,011	100%	8,031,802	100%	18,158,462	100%	21,235,473	100%

COMBINED 1947, 1948, AND 1949 POLICY YEARS' EXPERIENCE

TABLE X

Dependents Group Surgical Expense Insurance

All Industries, All Exposure Size Groups

Number of Groups Insured	Maximum Indemnity Exposed Per \$150	Claims	Annual Claim Cost Per \$150 of Exposure
No Obstetrical Benefits			
2,212	398,220	3,153,759	7.92
With Obstetrical Benefits—9 Months Waiting Period			
4,647	676,290	7,993,108	11.82

COMBINED 1947, 1948, AND 1949 POLICY YEARS' EXPERIENCE

TABLE XI

Dependents Group Surgical Expense Insurance

All Industries

Exposure Size Grouping Code	Exposure Size Grouping Per \$150 of Maximum Benefit	No Obstetrical Benefits		With Obstetrical Benefits, 9 Months Waiting Period		All Plans Combined	
		Actual Claims	Ratio of Actual to Expected Claims	Actual Claims	Ratio of Actual to Expected Claims	Actual Claims	Ratio of Actual to Expected Claims
0	To 24	117,091	111%	285,070	96%	402,161	100%
1	25- 49	154,141	95	512,133	94	666,274	94
2	50- 99	290,949	94	768,300	95	1,059,249	95
3	100- 249	393,982	96	1,100,769	95	1,494,751	95
4	250- 499	306,469	103	962,549	99	1,269,018	100
5	500- 749	287,989	102	755,658	103	1,043,647	102
6	750- 999	198,845	114	278,893	104	477,738	108
7	1,000-1,999	422,475	96	765,614	100	1,188,089	99
8	2,000-5,000	227,643	105	1,475,131	98	1,702,774	99
9	Over 5,000	754,175	101	1,088,991	116	1,843,166	109
0-9	Total	3,153,759	100%	7,993,108	100%	11,146,867	100%

TABLE XII

Group Hospital and Surgical Expense Insurance

All Exposure Size Groups

Secular Trend

Ratios of Actual to Expected Claims

Policy Year-Experience	Employee Hospital Expense*				Employee Surgical Expense	Dependent Hospital Expense				Dependent Surgical Expense		
	31 Day 14 + 5X 5X	31 Day 14 + 10X 10X	70 Day 14 + 5X 5X	All Emp. Hosp.		Non Mater- nity Plans	31 Day 10X, 5X 9 Mos. W. P.	With Mater- nity Plans	All Dep. Hosp.	No Ob- stetrical Bene- fits	With Ob- stetrical Bene- fits	All Dep. Surg.
1947	99%	89%	101%	98%	95%	98%	95%	95%	96%	97%	94%	96%
1948	101	99	98	100	100	97	101	100	100	101	99	99
1949	99	103	101	101	104	103	103	102	102	100	101	101

* Non-Rated Industries

COMBINED 1947, 1948, AND 1949 POLICY YEARS' EXPERIENCE

TABLE XIII

Non-Rated Industries

Effective Female Percents

Female Percent Grouping	Group Accident and Sickness Insurance							Employee Group Hospital Expense Insurance				Employee Group Surgical Expense Insurance
	13 Week Plans				26 Week Plans		All Plans Combined	31 Day Plans		70 Day Plan	All Plans Combined	
	1st Day Accident 4th Day Sickness	4th Day Accident 4th Day Sickness	1st Day Accident 8th Day Sickness	8th Day Accident 8th Day Sickness	1st Day Accident 8th Day Sickness	8th Day Accident 8th Day Sickness		11 + 5X 5X	14 + 10X 10X	14 + 5X 5X		
<11%	5%	5%	5%	6%	6%	6%	6%	6%	6%	6%	6%	6%
11- 21	15	15	15	15	14	16	15	16	15	14	15	15
21- 31	24	26	25	25	25	24	25	25	26	25	25	26
31- 41	34	34	35	35	36	34	35	35	35	35	35	35
41- 51	45	44	45	45	47	47	45	46	45	45	45	45
51- 61	55	54	55	56	55	58	55	55	55	56	55	55
61- 71	65	64	65	66	68	63	65	65	66	65	65	65
71- 81	75	72	75	75	—	—	75	75	76	76	76	75
81- 91	85	83	84	86	—	84	85	85	84	84	85	85
91-100	94	95	95	94	94	98	95	94	94	96	94	94