

TRANSACTIONS OF SOCIETY OF ACTUARIES 1981 REPORTS

II. GROUP LONG-TERM DISABILITY INSURANCE

This report presents the results of the continuing study of the morbidity experience relative to Group Long-Term Disability Insurance. Attention is directed to the following revisions that have been made in the "Analysis of Rates of Disablement" section of this year's report:

1. Table I-8, which analyzes the experience by the presence or absence of a preexisting condition provision in the contract has been discontinued.

2. Table I-A has been modified to reflect a subdivision of the Indirect Integration Classification categories.

As in previous reports, the available experience included in this report is predominantly that of employer-employee groups located in the United States and is largely for plans that appear not to have been the result of bargaining. Groups that a contributing company considers atypical have not been included. Plans selected for the study provide occupational as well as nonoccupational coverage, but with benefits integrated with workmen's compensation. Virtually all the cases contributed also provide that the gross monthly benefit be integrated with some or all of any benefits payable under social security and frequently with other benefits payable as a result of the disability.

The Committee recommends that care be used in the interpretation of the results of this study and in their application on other than a broad basis, since a considerable volume of exposure, shown in the tables, could not be coded with respect to certain characteristics that may influence the level of the rates of disablement or termination. In addition, the experience may not be representative of any particular group or plan.

CONTRIBUTING COMPANIES

The Committee wishes to express its gratitude to the following companies who have contributed experience for this report:

Aetna Life and Casualty Company
Bankers Life Company
Connecticut General Life Insurance Company
Continental Assurance Company
Continental Casualty Company
Equitable Life Assurance Company
John Hancock Mutual Life Insurance Company
Metropolitan Life Insurance Company
New England Mutual Life Insurance Company

New York Life Insurance Company
Provident Life and Accident Insurance Company
Prudential Insurance Company of America
Sun Life Assurance Company of Canada

The results of the study generally reflect the composite experience of variations in company practices, administration, and claim procedures, as well as variations in the experience among the groups involved.

ANALYSIS OF RATES OF DISABLEMENT

As in past reports, a column containing the "number of experience units" appears in most of the tables. In the context of this report, an experience unit represents the experience of a single group for one calendar year. Therefore, whenever an experience cell covers more than one calendar year of experience, a group would be included in the count for the total number of separate calendar years for which the experience of the group was submitted. Consequently, where the number of experience units in a cell is relatively small, and no distinction is made by size, the experience for that cell may be substantially influenced by the experience of just a few groups, and thus may not be representative of all units contained in that cell.

In analyzing the various tables shown in this section of the report, the reader should note that the claim experience shown may be understated somewhat as a result of the lag in the reporting of claims incurred in the latest year of the study. Historically, the reporting lag on plans with a six-month elimination period has been about 5–10 percent. Consequently, the tabulars, the number of claims, the rates of disablement, and the actual-to-tabular ratios shown in the various tables may be distorted somewhat for some age and sex cells.

It should be noted that claims were reported and included in rates of disablement, even though, because of the existence of social security or other disability income, no benefit may have been made payable under plans with an offset provision.

Experience on Plans with a Six-Month Elimination Period

Table I-1 is based on the experience of all groups regardless of size for plans with a six-month elimination period for the latest five-year period, 1975–79. Crude rates of disablement based on the number of lives are shown by sex and age group. In the context of this report, the age group classification has been determined according to "age nearest birthday" as of the date of disablement. The corresponding experience on nonjumbo groups, defined as groups with fewer than 5,000 lives insured, is displayed

in Table I-1A. Experience of the calendar year of issue is excluded from both tables and, therefore, from all subsequent tables that analyze the underlying experience. It should be noted that about 7 percent of the exposure contributed could not be separated by sex. The first part of each of these two tables summarizes the combined experience of the male, female, and sex-unknown exposures. The experience for the exposure which was sex coded is presented in the bottom two sections of each table.

The experience is based largely on a "his own occupation" definition

TABLE I-1
GROUP LONG-TERM DISABILITY INSURANCE
CRUDE RATES OF DISABLEMENT PER 1,000 LIVES EXPOSED
(Six-Month Elimination Period: Calendar
Year of Issue Excluded)
Calendar Years of Experience 1975-79
ALL EXPERIENCE UNITS COMBINED

Attained Age	Life Years Exposed	Number of Claims	Rate of Disablement per 1,000 Lives
All Experience: Males, Females, and Sex Unknown			
Under 40	2,436,711	2,400	.98
40-44	513,794	1,050	2.04
45-49	502,923	1,805	3.59
50-54	461,894	2,831	6.13
55-59	369,535	3,944	10.67
60-64	192,359	2,928	15.22
All ages	4,477,216	14,958	3.34
Male Experience Only			
Under 40	1,417,792	1,219	.86
40-44	345,058	602	1.74
45-49	334,223	1,131	3.38
50-54	304,578	1,815	5.96
55-59	248,926	2,739	11.00
60-64	127,967	2,103	16.43
All ages	2,778,544	9,609	3.46
Female Experience Only			
Under 40	854,914	1,023	1.20
40-44	130,003	370	2.85
45-49	130,755	569	4.35
50-54	123,463	835	6.76
55-59	95,071	938	9.87
60-64	47,786	628	13.14
All ages	1,381,992	4,363	3.16

248 COMMITTEE ON GROUP LIFE AND HEALTH INSURANCE

of disability generally during the first two years following disablement. Approximately 3 percent of the experience is based on an "any occupation" definition for the full period of disability.

Table I-2 analyzes the crude rates of disablement shown in Tables I-1 and I-1A, respectively, by the underlying calendar years of experience, for all ages and for combined males, females, and sex-unknown exposures. Some portion of the variation in the overall rates of disablement from year to year is the result of changes in the distributions of the exposed to risk by age groups.

TABLE I-1A
 GROUP LONG-TERM DISABILITY INSURANCE
 CRUDE RATES OF DISABLEMENT PER 1,000 LIVES EXPOSED
 (Six-Month Elimination Period; Calendar
 Year of Issue Excluded)
 Calendar Years of Experience 1975-79
 NONJUMBO EXPERIENCE UNITS ONLY

Attained Age	Life Years Exposed	Number of Claims	Rate of Disablement per 1,000 Lives
All Experience: Males, Females, and Sex Unknown			
Under 40	1,531,561	1,515	.99
40-44	323,954	639	1.97
45-49	323,753	1,146	3.54
50-54	306,543	1,865	6.08
55-59	251,027	2,587	10.31
60-64	137,914	2,076	15.05
All ages	2,874,752	9,828	3.42
Male Experience Only			
Under 40	954,235	867	.91
40-44	226,207	387	1.71
45-49	222,384	759	3.41
50-54	206,809	1,260	6.09
55-59	169,888	1,862	10.96
60-64	93,382	1,499	16.05
All ages	1,872,905	6,634	3.54
Female Experience Only			
Under 40	470,649	527	1.12
40-44	73,280	200	2.73
45-49	76,725	309	4.03
50-54	76,625	468	6.11
55-59	63,282	544	8.60
60-64	32,346	422	13.05
All ages	792,907	2,470	3.12

Table I-2 also shows that, for plans with a six-month elimination period, accidents accounted for approximately 10 percent of the claims coded for a known cause of disablement.

As mentioned previously, the lag in claim reporting tends to understate the claim experience shown in the various tables presented in this report. In particular, if past reporting lag is any indication of the extent of current claim underreporting, then the figures in Table I-2 of claims reported as incurred for the most recent calendar year, 1979, may be understated approximately 5-10 percent.

Table I-2 also shows the ratios of actual claims to tabular claims. The tabular claims for each year were obtained by applying the rates of dis-

TABLE I-2
GROUP LONG-TERM DISABILITY INSURANCE
ANALYSIS OF RATES OF DISABLEMENT BY CALENDAR YEAR OF INCURRAL
(Six-Month Elimination Period; Calendar Year of Issue Excluded; All Ages;
Males, Females, and Sex Unknown Combined)
Calendar Years of Experience 1962-79

CALENDAR YEAR OF INCURRAL	NUMBER OF EXPERIENCE UNITS	LIFE YEARS EXPOSED	NUMBER OF CLAIMS			RATE OF DISABLEMENT PER 1,000 LIVES	RATIO OF ACTUAL CLAIMS TO TABULAR CLAIMS*
			Accident	Sickness	Total (Incl. Unknown)		
All Experience Units Combined							
1962-64	255	179,226	20	339	498	2.78	89%
1965-69	3,783	1,563,650	332	3,257	4,407	2.82	87
1970-74	9,744	3,111,495	1,018	10,086	11,408	3.67	105
1975	2,141	753,680	220	2,385	2,649	3.51	105%
1976	2,272	927,013	304	3,018	3,327	3.59	109
1977	2,078	839,751	354	2,688	3,047	3.63	109
1978	2,466	1,032,009	320	2,724	3,045	2.95	90
1979	2,214	924,763	294	2,594	2,890	3.13	96
1975-79	11,171	4,477,216	1,492	13,409	14,958	3.34	101%
Nonjumbo Experience Units Only							
1962-64	247	65,520	3	104	126	1.92	61%
1965-69	3,726	966,478	207	1,893	2,646	2.74	81
1970-74	9,650	2,259,181	730	6,691	7,641	3.38	97
1975	2,121	558,178	157	1,627	1,799	3.22	93%
1976	2,241	586,959	199	2,012	2,216	3.78	110
1977	2,046	506,778	211	1,700	1,915	3.78	110
1978	2,430	628,720	201	1,817	2,018	3.21	94
1979	2,183	594,117	177	1,701	1,880	3.16	94
1975-79	11,021	2,874,752	945	8,857	9,828	3.42	100%

* Tabular claims were calculated by applying to the actual age-sex-group exposures the crude rates of disablement shown in Table I-1A.

ablement of nonjumbo size groups from Table I-1A by sex category to the actual exposures for each age-sex group (male, female, and sex unknown). The tabulars, therefore, adjust only for age and sex. No attempt is made to adjust for any other factors that might influence the disablement rates, such as size of case, industry, and so on.

Table I-3 subdivides the Table I-1 experience for all ages and for male, female, and sex-unknown exposures combined, by the size of the experience unit. Note that experience units containing fewer than 100 lives accounted for over 55 percent of the total number of units. This explains the large number of units (over 70 percent of the total) that experienced no claims. This table indicates that the rate of disablement and the actual-to-tabular ratios tend to increase with the size of the group—a phenomenon that is consistent with the results of prior reports.

Table I-3 also includes a dispersion-type analysis of ratios of actual claims to tabular claims. As mentioned previously, the tabulars adjust only for age and sex. However, since the experience is not adjusted for other characteristics that might have a measurable impact on the rate of disablement, such as differences among the contributing companies in underwriting and claims administration practices, the extent to which employers use the long-term disability plan as an early retirement vehicle, the proportions of salaried and hourly employees, the extent of employer financial participation, the type of industry, the relationship of the amount of benefit payable under the plan to take-home pay, and so on, caution should be used in interpreting the results.

Table I-4 presents an analysis of the relative rates of disablement by the cause of disability. The results are shown for each sex as well as both sexes combined. The number and percentage distribution by the cause of disability of the coded claims is shown for the various age groups. The number of claims in each cell has also been shown to indicate the relative weights of the results.

The experience underlying Tables I-1 and I-1A has also been analyzed by employee class, industry, contributory status, and indirect integration (whereby the long-term disability benefit may be reduced when the total income from all specified sources, including the long-term disability benefit, exceeds a specified percentage of salary). The respective results are displayed in Tables 5-8 of the "I" series of tables.

The portion of the Table I-5 experience under units with at least a 75 percent salaried employees composition, the majority of whom were not executives (i.e., Code 2), was further analyzed to investigate the effect that such variables as (a) the relationship between the long-term disability benefit (before integration with other income sources) and salary at time

TABLE I-3

GROUP LONG-TERM DISABILITY INSURANCE
 RATES OF DISABLEMENT AND RATIOS OF ACTUAL CLAIMS TO TABULAR CLAIMS BY SIZE OF EXPERIENCE UNIT EXPOSED
 (Six-Month Elimination Period; Calendar Year of Issue Excluded; All Ages; Males, Females, and Sex Unknown Combined)
 Calendar Years of Experience 1975-79
 ALL EXPERIENCE UNITS COMBINED

SIZE OF UNIT	NUMBER OF EXPERIENCE UNITS	LIFE YEARS EXPOSED	NUMBER OF CLAIMS	RATE OF DISABLEMENT PER 1,000 LIVES	AVERAGE A/T RATIO*	NUMBER OF EXPERIENCE UNITS BY RATIO OF ACTUAL TO TABULAR CLAIMS*							
						0%	1%-50%	50%-75%	75%-100%	100%-150%	150%-200%	200%-500%	500% or More
Under 25 lives	1,705	24,818	182	7.33	199%	1,641	0	0	0	0	0	0	64
25-49	2,064	76,200	242	3.18	83	1,844	5	0	0	0	0	52	163
50-99	2,468	174,660	515	2.95	82	2,035	0	0	0	1	21	258	153
100-249	2,317	358,038	1,283	3.58	103	1,566	1	1	20	132	159	351	87
250-499	1,150	400,845	1,315	3.28	97	518	13	82	85	168	100	169	15
500-999	657	458,343	1,607	3.51	106	185	72	64	59	110	72	90	5
1,000-2,499	480	763,323	2,584	3.39	101	72	75	61	62	100	59	49	2
2,500-4,999	180	618,525	2,100	3.40	98	19	31	27	20	39	23	20	1
Under 5,000	11,021	2,874,752	9,828	3.42	100%	7,880	197	235	246	550	434	989	490
5,000 or more	150	1,602,464	5,130	3.20	104%	14	25	16	19	40	23	13	0
Total	11,171	4,477,216	14,958	3.34	101%	7,894	222	251	265	590	457	1,002	490

* Tabular claims were calculated by applying to actual age-sex-group exposures the crude rates of disablement shown in Table I-1A.

TABLE I-4

GROUP LONG-TERM DISABILITY INSURANCE
DISTRIBUTION OF THE NUMBER OF CLAIMS BY DIAGNOSIS
(Six-Month Elimination Period; Calendar Year of Issue Excluded)

ALL EXPERIENCE UNITS COMBINED
ACTIVE LIVES EXPERIENCE ONLY

DIAGNOSIS	MALE								FEMALE								TOTAL							
	Under 30	30-39	40-44	45-49	50-54	55-59	60-64	All Ages	Under 30	30-39	40-44	45-49	50-54	55-59	60-64	All Ages	Under 30	30-39	40-44	45-49	50-54	55-59	60-64	All Ages
Infective and parasitic diseases:																								
Number	8	8	11	11	19	15	16	88	7	2	1	9	6	7	6	38	15	10	12	20	25	22	22	126
Percent	1	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
Malignant neoplasms (cancer):																								
Number	39	92	86	219	322	512	394	1,664	34	76	75	157	270	225	144	931	73	168	161	376	542	737	538	2,595
Percent	4	5	6	8	8	8	8	7	5	8	8	12	12	12	11	10	4	7	7	9	9	9	8	8
Benign and unspecified neoplasms:																								
Number	7	11	15	19	22	31	18	123	8	17	12	11	11	18	4	81	15	28	27	30	33	49	22	204
Percent	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0
Allergic, endocrine-system, metabolic, and nutritional diseases:																								
Number	12	33	29	48	74	112	109	417	17	10	14	29	29	46	28	163	29	43	43	77	103	148	137	580
Percent	1	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Diseases of the blood and blood-forming organs:																								
Number	16	18	26	37	53	89	89	328	19	9	17	22	30	39	19	155	35	27	43	59	83	128	108	483
Percent	2	1	2	1	1	1	2	1	3	1	2	2	2	2	2	2	2	1	1	1	1	2	2	2
Mental, psychoneurotic, and personality disorders:																								
Number	64	125	76	139	182	198	128	912	85	129	71	93	170	54	45	617	149	254	147	232	302	272	173	1,529
Percent	6	7	5	5	4	3	2	4	11	12	9	7	7	7	3	7	9	9	6	6	5	3	3	4
Diseases of the nervous system and sense organs:																								
Number	65	159	124	175	284	379	355	1,541	85	107	79	103	117	139	89	720	150	266	203	279	401	518	444	2,261
Percent	7	9	8	6	7	6	7	7	11	10	9	10	11	13	7	8	9	9	8	7	7	6	7	7
Diseases of the circulatory system:																								
Number	34	222	390	899	1,512	2,494	2,208	7,759	37	94	118	219	388	520	409	1,785	71	316	508	1,118	1,900	3,014	2,617	9,544
Percent	3	12	26	33	37	41	43	35	5	8	13	17	22	37	31	20	4	11	21	28	32	38	41	31

TABLE I-4—Continued

DIAGNOSIS	MALE								FEMALE								TOTAL								
	Under 30	30-39	40-44	45-49	50-54	55-59	60-64	All Ages	Under 30	30-39	40-44	45-49	50-54	55-59	60-64	All Ages	Under 30	30-39	40-44	45-49	50-54	55-59	60-64	All Ages	
Diseases of the respiratory system:																									
Number	16	49	49	151	268	482	439	1,454	21	38	41	46	67	86	85	384	37	87	90	197	335	568	524	1,838	
Percent	2	3	3	6	7	8	9	7	3	3	5	4	4	5	7	4	2	3	4	5	6	7	8	6	
Diseases of the digestive system:																									
Number	15	62	49	93	108	172	130	629	26	54	39	47	53	64	37	320	41	116	88	140	161	236	167	949	
Percent	2	4	4	3	3	3	3	3	3	5	4	3	3	3	3	4	2	4	4	3	3	3	3	3	
Diseases of the genitourinary system:																									
Number	21	29	30	33	58	70	59	300	23	34	26	23	27	29	17	179	44	63	56	56	85	99	76	479	
Percent	2	2	2	1	1	1	1	1	3	3	3	2	2	2	1	2	2	2	2	1	1	1	1	1	
Diseases of the skin and cellular tissue:																									
Number	13	16	14	23	26	34	28	154	15	20	9	12	15	22	10	103	28	36	23	35	41	56	38	257	
Percent	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	
Diseases of the bones and organs of movement:																									
Number	188	355	253	399	566	752	639	3,152	121	234	193	280	355	369	231	1,783	309	589	446	679	921	1,121	870	4,935	
Percent	19	21	17	15	14	13	12	14	16	21	21	21	20	19	18	20	18	21	19	17	16	14	13	16	
Congenital malformations:																									
Number	2	2	0	2	11	6	2	25	2	1	2	1	4	1	1	12	4	3	2	3	15	7	3	37	
Percent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Senility and ill-defined conditions:																									
Number	31	45	34	71	91	129	89	490	43	54	36	42	68	55	40	338	74	99	70	113	159	184	129	828	
Percent	3	3	2	3	2	2	2	2	6	5	4	3	3	3	3	4	4	3	3	3	3	2	2	3	
Accidents, poisoning, and violence:																									
Number	411	400	206	233	259	263	163	1,935	175	175	103	126	147	124	77	927	586	575	309	359	406	387	240	2,862	
Percent	41	23	14	9	6	4	3	9	23	16	11	10	8	6	10	34	20	13	9	7	5	4	4	9	
Undetermined:																									
Number	51	103	95	158	242	343	256	1,248	35	67	65	86	97	107	59	516	86	170	160	244	339	450	315	1,764	
Percent	5	6	6	6	6	6	5	6	5	6	7	7	6	6	5	6	5	6	7	7	6	6	5	6	
Total:																									
Number	993	1,729	1,487	2,710	4,097	6,081	5,122	22,219	753	1,121	901	1,307	1,754	1,915	1,301	9,052	1,746	2,850	2,388	4,017	5,851	7,996	6,423	31,271	
Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	

TABLE I-5
 GROUP LONG-TERM DISABILITY INSURANCE
 ANALYSIS OF TABLES I-1 AND I-1A EXPERIENCE BY EMPLOYEE CLASS
 (Six-Month Elimination Period; Calendar Year of Issue Excluded; All Ages; Males, Females, and Sex Unknown Combined)
 Calendar Years of Experience 1975-79

EMPLOYEE CODE	EMPLOYEE CLASS	TABLE 1A EXPERIENCE—NONJUMBO UNITS ONLY				TABLE 1 EXPERIENCE—ALL UNITS			
		Number of Experience Units	Life Years Exposed	Number of Claims	Ratio of Actual Claims to Tabular Claims [*]	Number of Experience Units	Life Years Exposed	Number of Claims	Ratio of Actual Claims to Tabular Claims [*]
1.....	At least 75% salaried, majority executive	501	121,556	312	72%	508	189,207	454	74%
2.....	At least 75% salaried, majority nonexecutive	5,247	1,600,770	4,950	90	5,360	2,816,541	8,052	88
3.....	50%-75% salaried	2,125	483,840	1,908	116	2,140	692,494	3,021	129
7.....	At least 50% salaried (exact percentage unknown)	88	9,844	41	120	88	9,844	41	120
	Subtotal (majority salaried)	7,961	2,216,010	7,211	95%	8,096	3,708,086	11,568	95%
6.....	At least 50% hourly (exact percentage unknown)	20	12,483	53	123	20	12,483	53	123
4.....	50%-75% hourly	308	110,034	443	124	311	143,124	605	134
5.....	At least 75% hourly	574	169,314	884	154	583	227,544	1,457	180
	Subtotal (majority hourly)	902	291,831	1,380	142%	914	383,151	2,115	162%
9.....	Indeterminate	2,158	366,911	1,237	101%	2,161	385,979	1,275	99%
	Total	11,021	2,874,752	9,828	100%	11,171	4,477,216	14,958	101%

* Tabular claims were calculated by applying to the actual age-sex-group exposures the crude rates of disablement shown in Table I-1A.

of disablement, (b) the plans' integration provision, and (c) the extent to which a disability income is provided under employer-sponsored plans prior to qualification for long-term disability benefits, appear to exert on disablement rates. The several classifications are somewhat broad. The various parameters may not be mutually exclusive. The respective subanalyses are shown in portions of Table I-5A, separately for nonjumbo and for all experience units combined. It should be noted that the tabulars and the actual-to-tabular ratios are consistent with those in Table I-5 for Employee Class Code 2.

In examining Tables 5-8 of the "I" series it should be noted that many of the variables analyzed may be interrelated. This is especially true in the analysis by industry (Table I-6) where the results shown in the various cells may be heavily influenced by the relative level of hourly and salaried employees. The portions of the Table I-6 experience under units with "the majority salaried" and "the majority hourly" as defined in Table I-5 were, therefore, analyzed further to investigate the effect which employee class has on the disablement rates by industry classification.

The respective subanalyses are shown in Table I-6A, separately for nonjumbo and for all experience units combined. It should be noted that the tabulars and the actual-to-tabular ratios are consistent with those shown in Tables I-5 and I-6. The actual-to-tabular ratio experience shown by industry in Tables I-6 and I-6A have been compared separately for nonjumbo and for all experience units combined. The results are shown in Table I-6B.

Table I-A examines the interrelationships among various parameters whose effect on rates of disablement may not be mutually exclusive. The analysis was based on the experience of those nonjumbo size units (all employee classes combined) that have plans that provide for the direct integration of the long-term disability benefit with either the total primary and family benefits payable under social security or with such social security benefits plus income from other sources. The parameters selected for study were (a) the disability income provided by the employer-sponsored, short-term plans during the benefit elimination period; (b) the proportion of salary represented by the long-term disability benefit (before integration), and (c) the point at which the long-term disability benefit is reduced, if at all, when total income for all sources exceeds a certain percentage of salary (i.e., the nonduplication level), or otherwise.

Experience on Plans with Three-Month and Twelve-Month Elimination Periods

Tables II-1 and III-1 are similar to Table I-1 but are based on the experience of plans with three-month and twelve-month elimination pe-

TABLE 1-5A
 GROUP LONG-TERM DISABILITY INSURANCE
 SUPPLEMENTAL ANALYSIS OF TABLE 1-5 EXPERIENCE FOR EMPLOYEE CLASS CODE 2
 (Six-Month Elimination Period; Calendar Year of Issue Excluded; All Ages; Males, Females, and Sex Unknown Combined)
 Calendar Years of Experience 1975-79

	NONJUMBO EXPERIENCE UNITS ONLY				ALL EXPERIENCE UNITS		
	Number of Experience Units	Life Years Exposed	Number of Claims	Ratio of A/T Claims*	Life Years Exposed	Number of Claims	Ratio of A/T Claims*
I. Relationship between Long-Term Disability Benefit and Salary							
<i>Ratio of gross benefit (before reduction for integration) to salary:</i>							
Always less than 50%	82	26,958	64	61%	152,199	220	54%
Generally less than 50%	47	17,389	26	50	17,389	26	50
Subtotal (less than 50%)	129	44,347	90	57%	169,588	246	54%
50% (exactly or approximately)	1,259	546,975	1,442	74%	919,889	2,438	76%
Always more than 50%, exact % unknown	64	40,111	155	96	89,245	201	63
Generally more than 50%, exact % unknown	185	31,666	158	143	56,969	311	147
More than 50%, but less than or equal to 60%	2,871	743,738	2,436	97	1,085,193	3,349	97
More than 60%, but less than or equal to 70%	577	149,317	468	100	357,284	1,065	108
More than 70%	16	2,491	9	104	2,491	9	104
Subtotal (greater than 50%)	3,713	967,323	3,226	99%	1,591,182	4,935	99%
Other, including not determinable	146	42,125	192	115%	135,882	433	87%
Total salaried, nonexecutive	5,247	1,600,770	4,950	90%	2,816,541	8,052	88%

* Tabular claims were calculated by applying to the actual age-sex-group exposures the crude rates of disablement shown in Table 1-1A.

TABLE I-5A—Continued

	NONJUMBO EXPERIENCE UNITS ONLY				ALL EXPERIENCE UNITS		
	Number of Experience Units	Life Years Exposed	Number of Claims	Ratio of A/T Claims*	Life Years Exposed	Number of Claims	Ratio of A/T Claims*
II. Analysis by Plan Integration Provision							
<i>Other income sources included in plan integration provision:</i>							
Nonintegrated	1,311	335,375	1,294	117%	1,077,709	3,559	108%
Social security primary benefit only or in combination with income from other sources	730	265,083	868	91	426,262	949	68
Social security primary and family benefit only or in combination with income from other sources	2,972	935,532	2,543	78	1,185,940	3,190	79
Other integration bases	234	64,780	245	119	126,630	354	82
Total salaried, nonexecutive	5,247	1,600,770	4,950	90%	2,816,541	8,052	88%
III. Extent to Which a Disability Income is Provided during Elimination Period							
<i>Disability income benefit provided during the elimination period:</i>							
Full salary	115	51,939	218	116%	276,161	745	97%
Less than full salary but generally more than 50%	939	252,229	783	90	737,840	1,803	83
Generally less than 50% of salary	193	24,957	123	132	49,891	305	131
None	668	192,701	528	79	197,759	528	77
Noncodable or unknown	3,332	1,078,944	3,298	89	1,554,890	4,671	88
Total salaried, nonexecutive	5,247	1,600,770	4,950	90%	2,816,541	8,052	88%

* Tabular claims were calculated by applying to the actual age-sex-group exposures the crude rates of disablement shown in Table I-1A.

TABLE I-6

GROUP LONG-TERM DISABILITY INSURANCE
ANALYSIS OF TABLES I-1 AND I-1A EXPERIENCE BY INDUSTRY

(Six-Month Elimination Period; Calendar Year of Issue Excluded; All Ages; Males, Females, and Sex Unknown Combined)
Calendar Years of Experience 1975-79

INDUSTRY CODE(S)	INDUSTRY	TABLE 1A EXPERIENCE - NONNUMERO UNITS ONLY				TABLE 1 EXPERIENCE—ALL UNITS			
		Number of Experience Units	Life Years Exposed	Number of Claims	Ratio of Actual Claims to Tabular Claims*	Number of Experience Units	Life Years Exposed	Number of Claims	Ratio of Actual Claims to Tabular Claims*
01-09.....	Agriculture, forestry, and fisheries	55	15,651	27	55%	57	54,843	59	30%
10-14.....	Mining	250	113,853	606	144	250	113,853	606	144
15-17.....	Contract construction	282	83,439	391	123	283	88,502	397	118
19-27.....	Food, tobacco, textile and wood products	1,235	367,274	1,642	124	1,254	519,332	2,632	138
28-32.....	Chemical, petroleum, rubber, leather and stone products	828	245,052	849	101	852	465,316	1,558	96
33-37.....	Metal, machinery, and transportation equipment	2,236	604,061	1,817	85	2,266	876,865	2,503	83
38-39.....	Instruments and miscellaneous manufacturing	322	62,125	247	108	322	62,125	247	108
40-49.....	Transportation, communication, electric, gas, and sanitary services	564	196,918	823	122	575	314,404	1,279	120
50-59.....	Wholesale and retail trade	1,698	316,276	1,178	110	1,702	353,144	1,235	104
60-67.....	Finance, insurance, and real estate	1,482	441,913	1,166	86	1,502	819,549	2,073	94
70-89.....	Services	1,905	382,479	927	74	1,944	763,572	2,214	92
91-97.....	Public administration	118	42,393	146	103	118	42,393	146	103
	All other classifiable	19	2,356	7	86	19	2,356	7	86
99.....	Nonclassifiable	27	962	2	50	27	962	2	50
	Total	11,021	2,874,752	9,828	100%	11,171	4,477,216	14,958	101%

* Tabular claims were calculated by applying to the actual age-sex-group exposures the crude rates of disablement shown in Table I-1A.

TABLE I-6A

GROUP LONG-TERM DISABILITY INSURANCE
 SUPPLEMENTAL ANALYSIS OF TABLE I-6 BY INDUSTRY
 (Six-Month Elimination Period; Calendar Year of Issue Excluded; All Ages; Males; Females, and Sex Unknown Combined)
 Calendar Years of Experience 1975-79

I. GROUPS CONTAINING A MAJORITY OF HOURLY EMPLOYEES

INDUSTRY CODE(S)	INDUSTRY	NONJUMBO UNITS ONLY				ALL UNITS			
		Number of Experience Units	Life Years Exposed	Number of Claims	Ratio of Actual Claims to Tabular Claims*	Number of Experience Units	Life Years Exposed	Number of Claims	Ratio of Actual Claims to Tabular Claims*
01-09.....	Agriculture, forestry, and fisheries	3	602	0	0%	3	602	0	0%
10-14.....	Mining	21	25,440	164	174	21	25,440	164	174
15-17.....	Contract construction	42	8,403	46	176	42	8,403	46	176
19-27.....	Food, tobacco, textile and wood products	163	54,771	456	212	168	91,046	1,016	255
28-32.....	Chemical, petroleum, rubber, leather and stone products	58	20,286	97	163	58	20,286	97	163
33-37.....	Metal, machinery, and transportation equipment	176	42,152	133	102	176	42,152	133	102
38-39.....	Instruments and miscellaneous manufacturing	13	1,251	2	61	13	1,251	2	61
40-49.....	Transportation, communication, electric, gas, and sanitary services	58	31,455	113	110	61	64,545	275	140
50-59.....	Wholesale and retail trade	192	60,087	215	110	192	60,087	215	110
60-67.....	Finance, insurance, and real estate	49	18,125	45	101	49	18,125	45	101
70-89.....	Services	105	25,601	80	91	109	47,556	93	65
91-97.....	Public administration	22	3,658	29	202	22	3,658	29	202
	All other classifiable	0	0	0	0	0	0	0	0
99.....	Nonclassifiable	0	0	0	0	0	0	0	0
	Total	902	291,831	1,380	142%	914	383,151	2,115	162%

* Tabular claims were calculated by applying to the actual age-sex-group exposures the crude rates of disablement shown in Table I-1A.

TABLE I-6A—Continued

II. GROUPS CONTAINING A MAJORITY OF SALARIED EMPLOYEES

INDUSTRY CODE(S)	INDUSTRY	NONUMBER UNITS ONLY				ALL UNITS			
		Number of Experience Units	Life Years Exposed	Number of Claims	Ratio of Actual Claims to Tabular Claims*	Number of Experience Units	Life Years Exposed	Number of Claims	Ratio of Actual Claims to Tabular Claims*
01-09.....	Agriculture, forestry, and fisheries	42	14,385	25	55%	44	53,577	57	29%
10-14.....	Mining	223	85,977	441	139	223	85,977	441	139
15-17.....	Contract construction	211	63,429	192	79	211	63,429	192	79
19-27.....	Food, tobacco, textile and wood products	892	279,310	1,064	108	906	395,093	1,494	108
28-32.....	Chemical, petroleum, rubber, leather and stone products	653	206,079	696	97	677	426,343	1,405	94
33-37.....	Metal, machinery, and transportation equipment	1,805	502,220	1,506	83	1,835	775,024	2,192	82
38-39.....	Instruments and miscellaneous manufacturing	219	53,053	219	112	219	53,053	219	112
40-49.....	Transportation, communication, electric, gas, and sanitary services	397	141,545	630	127	405	225,941	924	117
50-59.....	Wholesale and retail trade	1,226	221,344	846	113	1,230	258,212	903	104
60-67.....	Finance, insurance, and real estate	994	316,342	773	79	1,012	679,973	1,648	92
70-89.....	Services	1,197	295,184	704	74	1,232	654,322	1,978	96
91-97.....	Public administration	81	35,233	111	95	81	35,233	111	95
	All other classifiable	11	1,583	4	72	11	1,583	4	72
99.....	Nonclassifiable	10	326	0	0	10	326	0	0
	Total	7,961	2,216,010	7,211	95%	8,096	3,708,086	11,568	95%

* Tabular claims were calculated by applying to the actual age-sex-group exposures the crude rates of disablement shown in Table I-1A.

TABLE I-6B

GROUP LONG-TERM DISABILITY INSURANCE
 COMPARISON OF TABLES I-6 AND I-6A EXPERIENCE BY EMPLOYEE CLASS
 RATIO OF ACTUAL CLAIMS TO TABULAR CLAIMS*

(Six-Month Elimination Period; Calendar Year of Issue Excluded; All Ages; Males, Females, and Sex Unknown Combined)
 Calendar Years of Experience 1975-79

INDUSTRY CODE(S)	INDUSTRY	TABLE 1A EXPERIENCE—NONJUMBO UNITS ONLY				TABLE I EXPERIENCE—ALL UNITS			
		All	Majority Salaried	Majority Hourly	Indeterminate	All	Majority Salaried	Majority Hourly	Indeterminate
01-09.....	Agriculture, forestry, and fisheries	55%	55%	0%	108%	30%	29%	0%	108%
10-14.....	Mining	144	139	174	12	144	139	174	12
15-17.....	Contract construction	123	79	176	314	118	79	176	234
19-27.....	Food, tobacco, textile and wood products	124	108	212	97	138	108	255	97
28-32.....	Chemical, petroleum, rubber, leather and stone products	101	97	163	86	96	94	163	86
33-37.....	Metal, machinery, and transportation equipment	85	83	102	94	83	82	102	94
38-39.....	Instruments and miscellaneous manufacturing	108	112	61	87	108	112	61	87
40-49.....	Transportation, communication, electric, gas, and sanitary services	122	127	110	101	120	117	140	101
50-59.....	Wholesale and retail trade	110	113	110	91	104	104	110	91
60-67.....	Finance, insurance, and real estate	86	79	101	106	94	92	101	103
70-89.....	Services	74	74	91	68	92	96	65	68
91-97.....	Public administration	103	95	202	56	103	95	202	56
	All other classifiable	86	72	0	117	86	72	0	117
99.....	Nonclassifiable	50	0	0	72	50	0	0	72
	Total	100%	95%	142%	101%	101%	95%	162%	99%

* Tabular claims were calculated by applying to the actual age-sex-group exposures the crude rates of disablement shown in Table I-1A.

TABLE I-7
 GROUP LONG-TERM DISABILITY INSURANCE
 ANALYSIS OF TABLES I-1 AND I-1A EXPERIENCE BY CONTRIBUTORY STATUS
 (Six-Month Elimination Period; Calendar Year of Issue Excluded; All Ages; Males, Females, and Sex Unknown Combined)
 Calendar Years of Experience 1975-79

	TABLE I-1A EXPERIENCE—NONMEMBER UNITS ONLY				TABLE I-1 EXPERIENCE—ALL UNITS			
	Number of Experience Units	Life Years Exposed	Number of Claims	Ratio of Actual Claims to Tabular Claims*	Number of Experience Units	Life Years Exposed	Number of Claims	Ratio of Actual Claims to Tabular Claims*
Employee-pay-all	679	242,422	993	115%	703	533,076	1,774	106%
Employer-pay-all	5,942	1,164,989	4,100	105	5,982	1,647,836	5,078	97
Contributory, employer, and employee share cost	3,689	1,117,128	4,067	104	3,758	1,805,288	7,196	115
Unknown	711	350,213	668	57	728	491,016	910	57
Total	11,021	2,874,752	9,828	100%	11,171	4,477,216	14,958	101%

* Tabular claims were calculated by applying to the actual age-sex-group exposures the crude rates of disablement shown in Table I-1A.

TABLE I-8
GROUP LONG-TERM DISABILITY INSURANCE
ANALYSIS OF TABLES I-1 AND I-1A EXPERIENCE BY PLAN INDIRECT INTEGRATION PROVISION
 (Six-Month Elimination Period; Calendar Year of Issue Excluded; All Ages; Males, Females, and Sex Unknown Combined)
 Calendar Years of Experience 1975-79

	TABLE I-1A EXPERIENCE—NONJUMBO UNITS ONLY				TABLE I-1 EXPERIENCE—ALL UNITS			
	Number of Experience Units	Life Years Exposed	Number of Claims	Ratio of Actual Claims to Tabular Claims*	Number of Experience Units	Life Years Exposed	Number of Claims	Ratio of Actual Claims to Tabular Claims*
No indirect integration	7,445	1,820,109	5,892	94%	7,505	2,401,604	7,599	93%
Indirect integration—Nonduplication level:								
Less than 50%	43	26,896	43	46	46	102,707	74	31
50-59%	414	196,464	618	91	431	387,029	1,094	94
60-69%	1,051	322,346	1,238	112	1,095	736,654	2,563	100
70-79%	1,899	440,152	1,756	118	1,922	758,888	3,223	136
80-89%	116	42,669	194	147	119	64,218	318	162
Greater than 89%	23	7,223	31	158	23	7,223	31	158
Integrated but noncodable	30	18,893	56	112	30	18,893	56	112
Total	11,021	2,874,752	9,828	100%	11,171	4,477,216	14,958	101%

* Tabular claims were calculated by applying to the actual age-sex-group exposures the crude rates of disablement shown in Table I-1A.

**TABLE I-A—EXPERIENCE UNDER PLANS WHERE LTD BENEFIT IS DIRECTLY
INTEGRATED WITH SOCIAL SECURITY PRIMARY AND FAMILY BENEFITS
ONLY OR IN COMBINATION WITH OTHER INCOME SOURCES**
(Six-Month Elimination Period; Calendar Year of Issue Excluded; All Ages; Males, Females, and Sex Unknown Combined)
Calendar Years of Experience 1975-79

NONJUMBO—ALL EMPLOYEE CLASSES

Indirect Integration Classification	Relationship between LTD Benefit and Salary	Relationship between Disability Income Provided during the Elimination Period and Salary	Number of Experience Units	Life Years Exposed	Number of Claims	Ratio of Actual Claims to Tabular Claims*
Nonduplication level less than 60%	50% or less	50% or less	45	14,025	24	59%
		Greater than 50%	58	31,272	76	70
	Subtotal		103	45,297	100	67%
	Greater than 50%	50% or less	96	32,413	110	94%
		Greater than 50%	80	33,637	65	56
Subtotal		176	66,050	175	75%	
Subtotal			279	111,347	275	72%
Nonduplication level greater than or equal to 60%	50% or less	50% or less	86	23,451	192	230%
		Greater than 50%	19	2,468	6	77
	Subtotal		105	25,919	198	217%
	Greater than 50%	50% or less	237	78,914	268	97%
		Greater than 50%	419	101,805	279	84
Subtotal		656	180,719	547	90%	
Subtotal			761	206,638	745	107%
None	50% or less	50% or less	1,087	392,485	1,005	73%
		Greater than 50%	44	11,779	35	104
	Subtotal		1,131	404,264	1,040	74%
	Greater than 50%	50% or less	4,868	974,756	3,311	99%
		Greater than 50%	222	78,674	311	111
Subtotal		5,090	1,053,430	3,622	100%	
Subtotal			6,221	1,457,694	4,662	93%
Total			7,261	1,775,679	5,682	93%

* Tabular claims were calculated by applying to actual age-sex-group exposures the crude rates of disablement shown in Table I-1A.

TABLE II-1
 GROUP LONG-TERM DISABILITY INSURANCE
 CRUDE RATES OF DISABLEMENT
 PER 1,000 LIVES EXPOSED
 (Three-Month Elimination Period; Calendar
 Year of Issue Excluded)
 Calendar Years of Experience 1975-79
 ALL EXPERIENCE UNITS COMBINED

Attained Age	Life Years Exposed	Number of Claims	Rate of Dis- ablement per 1,000 Lives
All Experience: Males, Females, and Sex Unknown			
Under 40	588,963	1,063	1.80
40-44	110,237	398	3.61
45-49	100,958	597	5.91
50-54	90,393	744	8.23
55-59	72,731	999	13.74
60-64	44,050	817	18.55
All ages	1,007,332	4,618	4.58
Male Experience Only			
Under 40	330,221	529	1.60
40-44	69,127	226	3.27
45-49	61,813	336	5.44
50-54	54,315	435	8.01
55-59	44,094	624	14.15
60-64	27,956	534	19.10
All ages	587,526	2,684	4.57
Female Experience Only			
Under 40	193,159	437	2.26
40-44	28,224	131	4.64
45-49	26,966	202	7.49
50-54	25,284	228	9.02
55-59	20,680	277	13.39
60-64	11,320	192	16.96
All ages	305,633	1,467	4.80

TABLE III-1
GROUP LONG-TERM DISABILITY INSURANCE
CRUDE RATES OF DISABLEMENT
PER 1,000 LIVES EXPOSED
(Twelve-Month Elimination Period; Calendar
Year of Issue Excluded)
Calendar Years of Experience 1975-79
ALL EXPERIENCE UNITS COMBINED

Attained Age	Life Years Exposed	Number of Claims	Rate of Disablement per 1,000 Lives
All Experience: Males, Females, and Sex Unknown			
Under 40	219,545	219	1.00
40-44	44,026	66	1.50
45-49	48,412	158	3.26
50-54	49,041	268	5.46
55-59	40,513	380	9.38
60-64	19,074	209	10.96
All ages	420,611	1,300	3.09
Male Experience Only			
Under 40	170,451	152	0.89
40-44	33,592	39	1.16
45-49	36,578	108	2.95
50-54	37,170	184	4.95
55-59	30,336	285	9.39
60-64	14,631	176	12.03
All ages	322,758	944	2.92
Female Experience Only			
Under 40	39,077	57	1.46
40-44	8,236	24	2.91
45-49	9,343	43	4.60
50-54	9,407	74	7.87
55-59	8,078	81	10.03
60-64	3,244	27	8.32
All ages	77,385	306	3.95

riods, respectively. It should be noted that the number of claims underlying the disablement rate for some of the sex-age cells shown in these tables is relatively small.

As on plans with a six-month elimination period, the experience on plans with three-month and twelve-month elimination periods are based largely on a "his own occupation" definition of disability generally during the first two years following disablement. Less than 1 percent of the experience on plans with a three-month elimination period and about 3 percent of the experience on plans with a twelve-month elimination period is based on an "any occupation" definition for the full period of disability.

The reader is reminded that claims were reported and included in the rates of disablement, even though, because of the existence of social security or other disability income, no benefit may have been payable under plans with an offset provision.

Tables II-2 and III-2 analyze the crude rates of disablement shown in Tables II-1 and III-1 by the underlying calendar year of experience, respectively, for all ages and for males, females, and sex-unknown exposures combined. Some portion of the variation in the overall rates of

TABLE II-2

GROUP LONG-TERM DISABILITY INSURANCE
ANALYSIS OF RATES OF DISABLEMENT
BY CALENDAR YEAR OF INCURRAL

(Three-Month Elimination Period; Calendar Year of Issue Excluded; All Ages;
Males, Females, and Sex Unknown Combined)
Calendar Years of Experience 1962-79

ALL EXPERIENCE UNITS COMBINED

CALENDAR YEAR OF INCURRAL	NUMBER OF EXPERIENCE UNITS	LIFE YEARS EXPOSED	NUMBER OF CLAIMS			RATE OF DISABLE- MENT PER 1,000 LIVES	RATIO OF ACTUAL CLAIMS TO TABULAR CLAIMS*
			Acci- dent	Sick- ness	Total (Incl. Unknown)		
1962-64	103	8,008	5	20	25	3.12	68%
1965-69	1,708	255,545	154	1,040	1,219	4.77	97
1970-74	6,971	779,626	624	3,468	4,105	5.27	114
1975	1,422	185,814	125	769	898	4.83	111%
1976	1,289	183,115	118	877	995	5.43	118
1977	1,324	196,328	110	816	927	4.72	101
1978	1,622	225,239	123	774	898	3.99	85
1979	1,462	216,836	109	783	900	4.15	91
1975-79	7,119	1,007,332	585	4,019	4,618	4.58	100%

* Tabular claims were calculated by applying to the actual age-sex-group exposures the crude rates of disablement shown in Table II-1.

disablement from year to year is the result of changes in the distributions of the exposed to risk by age groups. These tables further show that accidents account for a small portion of the claims coded for a known cause of disablement—only about 14 percent on plans with a three-month elimination period and 10 percent on plans with a twelve-month elimination period.

As on plans with a six-month elimination period, the reader is reminded that the claim experience shown in the tables presented in this portion of the report may tend to be understated somewhat due to the lag in claim reporting.

Tables II-2 and III-2 also show the ratios of actual claims to tabular claims. The tabular claims for each year were obtained by applying the rates of disablement of *all size* groups from Tables II-1 and III-1, respectively, by sex category to the actual exposures for each age-sex group (males, females, and sex unknown). These tabulars, therefore, adjust only for age and sex. No adjustments are made for any other factors that might influence the ratio of disablement.

TABLE III-2

GROUP LONG-TERM DISABILITY INSURANCE
ANALYSIS OF RATES OF DISABLEMENT
BY CALENDAR YEAR OF INCURRAL

(Twelve-Month Elimination Period; Calendar Year of Issue Excluded; All Ages;
Males, Females, and Sex Unknown Combined)
Calendar Years of Experience 1962-79

ALL EXPERIENCE UNITS COMBINED

CALENDAR YEAR OF INCURRAL	NUMBER OF EXPERIENCE UNITS	LIFE YEARS EXPOSED	NUMBER OF CLAIMS			RATE OF DISABLE- MENT PER 1,000 LIVES	RATIO OF ACTUAL CLAIMS TO TABULAR CLAIMS*
			Acci- dent	Sick- ness	Total (Incl. Unknown)		
1962-64	28	6,581	0	19	20	3.04	106%
1965-69	211	82,033	9	115	157	1.91	62
1970-74	419	252,362	57	552	618	2.45	83
1975	97	57,489	20	222	242	4.21	140%
1976	131	68,177	19	192	211	3.09	102
1977	129	72,716	21	235	256	3.52	116
1978	146	115,585	43	290	333	2.88	91
1979	142	106,644	40	218	258	2.42	78
1975-79	645	420,611	143	1,157	1,300	3.09	100%

* Tabular claims were calculated by applying to the actual age-sex-group exposures the crude rates of disablement shown in Table III-1.

TABLE II-3
 GROUP LONG-TERM DISABILITY INSURANCE
 RATES OF DISABLEMENT AND RATIOS OF ACTUAL CLAIMS TO TABULAR CLAIMS BY SIZE OF EXPERIENCE UNIT EXPOSED
 (Three-Month Elimination Period; Calendar Year of Issue Excluded; All Ages; Males, Females, and Sex Unknown Combined)
 Calendar Years of Experience 1975-79
 ALL EXPERIENCE UNITS COMBINED

SIZE OF UNIT	NUMBER OF EXPERIENCE UNITS	LIFE YEARS EXPOSED	NUMBER OF CLAIMS	RATE OF DISABLEMENT PER 1,000 LIVES	AVERAGE AT RATIO*	NUMBER OF EXPERIENCE UNITS BY RATIO OF ACTUAL TO TABULAR CLAIMS*							
						0%	1%-50%	50%-75%	75%-100%	100%-150%	150%-200%	200%-500%	500% or More
Under 25 lives	1,621	23,907	130	5.44	103%	1,509	0	0	0	0	0	4	108
25-49	1,903	68,093	324	4.76	94	1,620	1	0	0	0	0	106	176
50-99	1,786	123,599	565	4.57	97	1,376	0	0	0	6	36	269	99
100-249	1,091	162,962	708	4.34	95	646	0	4	27	95	108	178	33
250-499	342	121,563	570	4.69	105	113	19	35	31	55	38	44	7
500-999	218	148,201	746	5.03	113	35	25	26	22	48	23	37	2
1,000-2,499	118	179,552	919	5.12	116	18	13	10	18	26	14	19	0
2,500-4,999	23	77,882	200	2.57	71	4	7	3	1	3	3	2	0
Under 5,000	7,102	905,759	4,162	4.60	102%	5,321	65	78	99	233	222	659	425
5,000 or more	17	101,573	456	4.49	85	4	2	2	3	3	1	2	0
Total	7,119	1,007,332	4,618	4.58	100%	5,325	67	80	102	236	223	661	425

* Tabular claims were calculated by applying to actual age-sex-group exposures the crude rates of disablement shown in Table II-1.

TABLE III-3
 GROUP LONG-TERM DISABILITY INSURANCE
 RATES OF DISABLEMENT AND RATIOS OF ACTUAL CLAIMS TO TABULAR CLAIMS BY SIZE OF EXPERIENCE UNIT EXPOSED
 (Twelve-Month Elimination Period; Calendar Year of Issue Excluded; All Ages; Males, Females, and Sex Unknown Combined)
 Calendar Years of Experience 1975-79
 ALL EXPERIENCE UNITS COMBINED

SIZE OF UNIT	NUMBER OF EXPERIENCE UNITS	LIFE YEARS EXPOSED	NUMBER OF CLAIMS	RATE OF DISABLEMENT PER 1,000 LIVES	AVERAGE A/T RATIO*	NUMBER OF EXPERIENCE UNITS OF RATIO BY ACTUAL TO TABULAR CLAIMS*							
						0%	1%-50%	50%-75%	75%-100%	100%-150%	150%-200%	200%-500%	500% or More
Under 25 lives	41	461	1	2.17	70%	40	0	0	0	0	0	0	1
25-49	88	3,204	8	2.50	64	81	0	0	0	0	0	1	6
50-99	118	8,410	14	1.66	53	105	0	0	0	0	0	8	5
100-249	167	27,678	79	2.85	81	119	0	0	1	11	7	26	3
250-499	80	29,136	71	2.44	74	39	0	8	10	10	6	7	0
500-999	69	49,363	159	3.22	97	15	7	11	6	17	6	6	1
1,000-2,499	40	63,632	221	3.47	99	5	5	4	4	12	5	5	0
2,500-4,999	22	81,659	225	2.76	100	2	7	4	1	2	4	2	0
Under 5,000	625	263,543	778	2.95	92%	406	19	27	22	52	28	55	16
5,000 or more	20	157,068	522	3.32	116%	1	0	3	2	6	6	2	0
Total	645	420,611	1,300	3.09	100%	407	19	30	24	58	34	57	16

* Tabular claims were calculated by applying to actual age-sex-group exposures the crude rates of disablement shown in Table III-1.

ANALYSIS OF RATES OF TERMINATION

Experience on Plans with a Six-Month Elimination Period

Table A-1 shows, for plans with a six-month elimination period, the crude rates of termination from death or recovery based on number of lives, by sex and by age groups, for the period 1962-79. Because of the small number of terminations at the later durations, the experience has been truncated at the end of eight years of disablement. It should be noted that the termination rates for the first year of disablement relate to the six-month period following the end of the elimination period. There were 62,470 claims exposed to termination, of which 14,958 and 16,313 originated from the 1975-79 and the 1962-74 portions, respectively, of the active lives experience (all experience units combined), with the balance from the experience units that were not included in the study of rates of disablement. The Committee conducted a subanalysis of the termination rates of only the claims that were included in the rates of disablement portion of the study. The rates of termination for these claims were found to be generally 5-15 percent higher than those shown in Table A-1.

Table A-2 displays the actual number of claims that terminated by death or recovery, while Table A-3 presents the ratios of the actual number of terminations to the number of terminations that would have been produced by application of termination rates from the 1964 Commissioners Disability Table (CDT) to the Table A-1 exposures. The low first-year ratios shown in Table A-3 would appear to be due to the shorter elimination periods of the individual health insurance experience underlying the first-year termination rates of the 1964 CDT.

Table A-4 further analyzes the claim termination experience by examining, by claim incurral year during the period 1962-79, the ratio (for all ages combined) of the actual number of terminations to the number of terminations that would have been produced by application of the termination rates from the 1964 CDT to the Table A-1 exposures associated with the claims incurred.

Table A-5 illustrates the value of a monthly benefit of \$1 payable for a maximum period of sixty months with the values of a similar benefit payable to age 65. The illustrations are done on two alternate bases, each using a 3 percent interest discount. One basis is the Table A-1 crude termination rates for the first six years, regardless of the actual number of terminations in each duration-age cell, and the 1964 CDT rates thereafter. The other basis is the termination rates from the 1964 CDT throughout.

It should be noted that, prior to the 1977 report, the values shown in Table A-5 were determined using Table A-1 crude termination rates for

TABLE A-1

GROUP LONG-TERM DISABILITY INSURANCE
CRUDE TERMINATION RATES PER 1,000 CLAIMS EXPOSED
TO DEATH OR RECOVERY

(Six-Month Elimination Period: Calendar Years of Experience 1962-79)

DURATION OF DISABLEMENT	AGE AT DISABLEMENT					
	Under 30	30-39	Under 40	40-49	50-59	60-64
	Male and Female Combined					
7th month	61.0	44.4	50.3	35.9	23.2	16.9
8th month	68.8	51.3	57.5	38.7	24.1	17.0
9th month	67.7	48.7	55.3	35.9	22.6	16.3
10th month	63.3	41.8	49.1	32.2	20.3	13.6
11th month	56.6	37.8	44.1	28.6	18.8	11.2
12th month	55.9	39.1	44.6	27.9	17.1	12.8
1st year (last 6 months)	319.9	236.0	265.6	183.4	119.7	84.7
13th month	50.5	38.6	42.5	25.9	15.9	11.5
14th month	43.7	33.7	36.9	22.8	14.5	9.4
15th month	44.7	29.4	34.3	20.6	12.6	10.3
16th month	36.2	26.9	29.9	17.9	10.8	10.1
17th month	31.5	27.5	28.7	17.0	9.5	9.0
18th month	32.2	23.7	26.3	16.6	10.9	8.6
19th month	32.3	19.2	23.2	13.0	10.8	8.6
20th month	29.5	16.0	20.1	11.0	8.5	9.0
21st month	24.2	15.2	17.9	11.6	8.4	8.0
22d month	19.9	18.1	18.7	10.9	8.4	6.3
23d month	21.3	18.4	19.3	11.2	8.1	6.7
24th month	34.6	20.8	24.9	14.2	8.7	7.9
2d year	335.1	252.7	279.3	176.7	119.9	100.4
3d year	264.4	162.1	192.0	112.0	79.8	74.0
4th year	127.1	90.7	100.1	62.8	57.9	60.5
5th year	71.5	63.3	65.3	46.7	53.5	42.2
6th year	69.0	51.2	55.6	42.8	52.2	56.0
7th year	82.6	52.3	59.6	38.3	54.3	30.9 ⁺
8th year	27.0*	41.0	37.7	45.0	50.5	35.1 ⁺
	Male Only					
1st year (last 6 months)	325.4	241.8	270.7	177.2	117.7	81.1
2d year	343.8	258.3	285.4	165.0	117.2	101.7
3d year	258.6	167.8	193.8	107.8	80.8	74.6
4th year	149.9	105.6	116.9	65.6	62.0	64.6
5th year	65.1	66.5	66.2	48.2	58.3	42.2
6th year	75.0	38.4	47.5	45.6	59.1	54.8
7th year	84.5 ⁺	65.8	70.5	41.7	58.6	33.2 ⁺
8th year	30.3*	36.1 ⁺	34.7	53.0	53.2	32.2 ⁺
	Female Only					
1st year (last 6 months)	312.2	227.2	258.3	194.6	125.3	98.2
2d year	322.4	244.0	270.1	198.6	127.6	95.3
3d year	272.0	153.6	189.2	120.0	76.9	71.4
4th year	93.4	68.1	74.9	57.2	45.7	42.9
5th year	81.4	58.2	64.1	43.4	38.6	42.1 ⁺
6th year	59.2 ⁺	70.8	68.1	36.6	30.8	66.5*
7th year	79.0 ⁺	32.0 ⁺	43.2	30.6	41.1	14.7*
8th year	22.1*	48.1 ⁺	41.8 ⁺	26.6	41.7	54.8*

* Involves fewer than five terminations.

† Involves fewer than ten terminations.

TABLE A-2
GROUP LONG-TERM DISABILITY INSURANCE
NUMBER OF CLAIMS TERMINATED BY DEATH OR RECOVERY
(Six-Month Elimination Period; Calendar Years of Experience 1962-79)

DURATION OF DISABLEMENT	AGE AT DISABLEMENT					
	Under 30	30-39	Under 40	40-49	50-59	60-64
Male and Female Combined						
1st year (last 6 months)	928	1,259	2,187	2,274	3,176	1,015
2d year	502	795	1,297	1,457	2,328	817
3d year	206	307	513	640	1,171	375
4th year	55	113	168	272	660	159
5th year	21	58	79	157	473	47
6th year	15	36	51	111	341	18
7th year	13	25	38	75	224	7
8th year	3	16	19	71	129	6
Male Only						
1st year (last 6 months)	542	774	1,316	1,423	2,299	772
2d year	305	486	791	884	1,691	662
3d year	115	191	306	412	883	303
4th year	40	80	120	191	532	135
5th year	11	37	48	111	390	38
6th year	10	16	26	81	293	15
7th year	8	20	28	57	182	7
8th year	2	8	10	58	103	5
Female Only						
1st year (last 6 months)	386	485	871	851	877	243
2d year	197	309	506	573	637	155
3d year	91	116	207	228	288	72
4th year	15	33	48	81	128	24
5th year	10	21	31	46	83	9
6th year	5	20	25	30	48	3
7th year	5	5	10	18	42	0
8th year	1	8	9	13	26	1

TABLE A-3

GROUP LONG-TERM DISABILITY INSURANCE
 RATIOS OF ACTUAL CLAIMS TERMINATED BY DEATH OR
 RECOVERY TO NUMBER OF TERMINATIONS EXPECTED FROM THE
 1964 COMMISSIONERS DISABILITY TABLE*

(Six-Month Elimination Period; Calendar Years of Experience 1962-79)

DURATION OF DISABILITY	ALL AGES OF DISABILITY COMBINED	AGE AT DISABILITY					
		Under 30	30-39	Under 40	40-49	50-59	60-64
Male and Female Combined							
1st year (last 6 months)	35.5%	59.2%	45.6%	50.5%	39.5%	31.5%	24.8%
2d year	76.0	107.8	91.5	97.3	75.4	68.6	73.0
3d year	66.6	114.5	82.4	93.1	68.0	59.6	61.4
4th year	55.6	73.2	63.8	66.7	53.1	54.2	56.5
5th year	56.5	53.1	59.4	57.7	51.7	59.2	42.6
6th year	62.2	63.3	60.0	61.1	57.2	64.4	59.9
7th year	65.4	88.7	71.3	76.4	55.7	69.7	34.0†
8th year	63.9	32.4†	61.0	53.0	67.9	65.8	38.1†
Male Only							
1st year (last 6 months)	34.2%	60.2%	46.7%	51.5%	38.2%	31.0%	23.8%
2d year	73.8	110.6	93.6	99.5	70.4	67.1	74.0
3d year	65.8	112.1	85.3	94.1	65.5	60.3	61.9
4th year	59.6	86.4	74.3	77.9	55.4	58.0	60.3
5th year	60.2	48.4	62.4	58.5	53.5	64.5	42.6
6th year	67.9	68.8	45.0	52.2	61.0	72.8	58.7
7th year	71.1	90.7†	89.7	90.3	60.6	75.2	36.5†
8th year	68.5	36.3†	53.7†	48.7	79.9	69.2	35.0†
Female Only							
1st year (last 6 months)	38.7%	57.8%	43.9%	49.1%	41.9%	33.0%	28.8%
2d year	81.2	103.7	88.4	94.0	84.7	73.0	69.3
3d year	68.8	117.9	78.0	91.7	72.9	57.4	59.3
4th year	45.3	53.8	48.0	49.8	48.3	42.7	40.1
5th year	46.5	60.5	54.6	56.5	48.1	42.7	42.5†
6th year	46.9	54.3†	83.1	74.9	49.0	38.0	71.2†
7th year	50.0	84.8†	43.6†	55.4	44.4	52.8	16.2†
8th year	50.9	26.5†	71.5†	58.7†	40.1	54.3	59.5†

* As published by the Health Insurance Association of America, Table B1, Volume III.

† Involves fewer than ten terminations.

TABLE A-4

GROUP LONG-TERM DISABILITY INSURANCE RATIOS OF ACTUAL CLAIMS TERMINATED BY DEATH OR RECOVERY
TO NUMBER OF TERMINATIONS EXPECTED FROM THE 1964 COMMISSIONERS DISABILITY TABLE*

(Six-Month Elimination Period; Calendar Years of Experience 1962-79)

ALL AGES OF DISABLEMENT COMBINED

DURATION OF DISABLEMENT	YEAR OF DISABLEMENT											
	1969 and Prior	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	All Years
Male and Female Combined												
1st year (last 6 months)...	42.6%	37.4%	34.0%	33.9%	33.0%	31.6%	33.8%	31.9%	35.6%	35.1%	35.3%	35.5%
2d year	93.8	74.8	83.7	77.9	70.0	67.3	64.9	67.9	74.0	67.8		76.0
3d year	84.0	76.0	73.1	68.0	56.1	62.4	52.8	54.6	70.9			66.6
4th year	73.4	60.4	52.8	54.9	50.3	42.9	51.0	42.7				55.6
5th year	70.8	57.4	61.6	46.1	51.0	48.5	46.9					56.5
6th year	81.1	66.5	64.6	46.3	54.4	27.5						62.2
7th year	74.4	76.2	57.9	48.4	49.5							65.4
8th year	72.8	59.4	53.5	61.6								63.9
Male Only												
1st year (last 6 months)...	41.2%	36.5%	31.6%	35.5%	31.2%	29.4%	32.3%	30.4%	34.3%	33.7%	27.9%	34.2%
2d year	91.5	68.0	79.1	75.0	70.5	64.3	64.1	67.8	71.2	64.4		73.8
3d year	80.3	73.3	72.1	67.2	56.3	65.4	50.9	54.8	71.3			65.8
4th year	75.8	62.2	56.9	56.7	56.7	47.3	56.1	47.0				59.6
5th year	74.8	60.8	65.2	51.9	48.2	50.9	60.9					60.2
6th year	85.0	69.3	74.4	55.7	56.8	28.5						67.9
7th year	80.1	84.1	63.4	47.8	58.1							71.1
8th year	73.7	67.3	60.4	81.9								68.5
Female Only												
1st year (last 6 months)...	46.1%	40.1%	40.6%	30.0%	37.4%	36.4%	37.0%	35.0%	38.2%	37.9%	48.3%	38.7%
2d year	99.5	94.6	96.7	84.9	68.7	73.9	66.4	67.9	79.4	74.6		81.2
3d year	94.1	84.7	76.0	69.8	55.4	55.6	57.1	54.1	69.6			68.8
4th year	66.8	54.3	40.4	50.0	34.3	33.0	39.4	33.7				45.3
5th year	59.2	45.8	50.9	31.3	57.5	43.0	12.7†					46.5
6th year	70.0	56.9	35.2	23.0†	48.9	25.7†						46.9
7th year	58.3	51.1	41.8	49.8	31.4†							50.0
8th year	70.2	34.9†	34.5†	13.1†								50.9

* As published by the Health Insurance Association of America, Table B1, Volume III.

† Involves fewer than ten terminations.

TABLE A-5
GROUP LONG-TERM DISABILITY INSURANCE
ILLUSTRATIVE VALUES OF A MONTHLY BENEFIT OF \$1 PAYABLE FOR
VARIOUS BENEFIT PERIODS, DISCOUNTED AT 3 PERCENT INTEREST
(Six-Month Elimination Period; Males and Females Combined)

AGE AT DISABLEMENT	VALUE AS OF END OF ELIMINATION PERIOD			VALUE AS OF END OF TWELFTH MONTH OF DISABLEMENT		
	Based on Table A-1 Rates of Termination*	Based on 1964 CDT	Ratio to 1964 CDT	Based on Table A-1 Rates of Termination*	Based on 1964 CDT	Ratio to 1964 CDT
	Benefit Payable for a Maximum of 60 Months but Not beyond Age 65 with First Payment Due at End of Elimination Period					
25.5.....	\$23.50	\$16.59	142%	\$27.73	\$28.46	97%
35.5.....	30.31	18.44	164	33.36	30.86	108
45.5.....	36.00	21.71	166	38.08	33.50	114
55.5.....	41.40	26.85	154	41.30	36.68	113
62.5.....	20.37	14.91	137	16.28	15.77	103
	Benefit Payable to Age 65 with First Payment Due at End of Elimination Period					
25.5.....	\$49.41	\$32.62	151%	\$66.39	\$63.86	104%
35.5.....	70.18	38.72	181	86.32	73.54	117
45.5.....	78.44	42.87	183	90.83	73.57	123
55.5.....	62.41	38.40	163	65.52	55.60	118
62.5.....	20.37	14.91	137	16.28	15.77	103

* Annuity values are based on the crude, ungraduated, combined male and female termination rates from Table A-1 for the first six years and on the 1964 Commissioners Disability Table rates thereafter.

TABLE A-6
GROUP LONG-TERM DISABILITY INSURANCE
ILLUSTRATIVE VALUES, UNDER PLANS WITH A SIX-MONTH
ELIMINATION PERIOD, OF A MONTHLY BENEFIT OF \$1
DISCOUNTED AT 3 PERCENT INTEREST, PAYABLE TO AGE 65,
WITH FIRST PAYMENT DUE AT END OF ELIMINATION PERIOD

AGE AT DISABILITY	VALUES OF END OF ELIMINATION PERIOD			VALUES OF END OF TWELFTH MONTH OF DISABILITY		
	Based on Table A-1 Rates of Termination ^a	Based on 1964 CDF	Ratio to 1964 CDF	Based on Table A-1 Rates of Termination	Based on 1964 CDF	Ratio to 1964 CDF
	Male Only					
25.5.....	\$48.00	\$32.62	147%	\$64.87	\$63.86	102%
35.5.....	68.44	38.72	177	84.70	73.54	115
45.5.....	79.92	42.87	186	91.94	73.75	125
55.5.....	62.21	38.40	162	65.16	55.60	117
62.5.....	20.43	14.91	137	16.27	15.77	103
	Female Only					
25.5.....	\$51.53	\$32.62	158%	\$68.70	\$63.86	108%
35.5.....	72.83	38.72	188	88.78	73.54	121
45.5.....	75.80	42.87	177	88.82	73.57	121
55.5.....	63.06	38.40	164	66.71	55.60	120
62.5.....	20.14	14.91	135	16.34	15.77	104

* Annuity values are based on the crude, ungraduated, male or female termination rates from Table A-1 for the first six years and on the 1964 Commissioners Disability Table rates thereafter.

the first *four* years and the 1964 CDT rates thereafter. Attention is, therefore, directed to Exhibit A, which traces for two age groups on a basis consistent with these earlier reports, the ratios of annuity values based on the Table A-1 crude termination rates for the first four years and the 1964 CDT thereafter to those based on the 1964 CDT throughout as shown in Table A-5 in the last nine reports for plans providing a monthly benefit to age 65.

Table A-6 shows male and female disabled life annuity values for a benefit payable to age 65, based on the male and female claims, respectively, included in Table A-5. There were 44,239 male and 18,231 female claims in this analysis. As was done in Table A-5, illustrative values are shown on two alternate bases. In making any comparisons by sex, however, the reader is reminded that the 1964 CDT is a unisex table.

Tables AA-1, AA-2, AA-3, AA-4, and AA-5 analyze the experience of terminations for plans with a six-month elimination period and are similar in form and content to Tables A-1, A-2, A-3, A-5, and A-6, respectively, except that the observation period has been restricted to the most current five years of experience, namely, 1975-79. As in Table A-1, the claim experience shown has been truncated at the end of eight years.

To allow for the analysis of trends in claim termination experience, Table AAA has been developed. This table traces the annuity values based

EXHIBIT A

GROUP LONG-TERM DISABILITY INSURANCE
RATIO OF ANNUITY VALUE PAYABLE TO AGE 65 DISCOUNTED AT
3 PERCENT BASED ON COMBINED TABLE A-1 EXPERIENCE
FOR FIRST FOUR YEARS AND ON 1964 CDT RATES
THEREAFTER TO ANNUITY VALUES PAYABLE TO AGE
65 DISCOUNTED AT 3 PERCENT BASED ON 1964
CDT THROUGHOUT

(Six-Month Elimination Period—Males and Females Combined)

AGE	YEARS OF DISABLED LIVES TERMINATION EXPERIENCE										
	1962- 69	1962- 70	1962- 71	1962- 72	1962- 73	1962- 74	1962- 75	1962- 76	1962- 77	1962- 78	1962- 79
	Ratio Based on Values as of End of Elimination Period										
45.5	139%	145%	141%	157%	159%	161%	169%	165%	170%	172%	175%
55.5	142	144	143	150	149	150	155	154	156	158	158
	Ratio Based on Values as of End of Twelfth Month of Disablement										
45.5	99%	101%	99%	108%	108%	110%	114%	112%	115%	116%	117%
55.5	104	105	104	109	108	110	112	112	113	114	114

TABLE AA-1

GROUP LONG-TERM DISABILITY INSURANCE
CRUDE TERMINATION RATES PER 1,000 CLAIMS EXPOSED
TO DEATH OR RECOVERY

(Six-Month Elimination Period; Calendar Years of Experience 1975-79)

DURATION OF DISABLEMENT	AGE AT DISABLEMENT					
	Under 30	30-39	Under 40	40-49	50-59	60-64
	Male and Female Combined					
7th month	58.3	43.9	49.1	37.4	23.4	16.1
8th month	63.7	45.4	52.0	36.3	22.5	15.9
9th month	61.9	43.3	49.9	33.6	21.4	14.5
10th month	58.4	37.6	44.9	31.0	19.0	13.0
11th month	54.8	31.6	39.7	26.3	17.6	10.2
12th month	54.4	30.7	38.9	26.1	16.9	11.0
1st year (last 6 months)	303.8	211.1	245.0	176.3	114.9	78.1
13th month	50.0	30.2	36.9	24.2	15.3	10.0
14th month	38.1	30.7	33.2	20.1	13.7	8.5
15th month	39.2	28.3	31.9	18.5	11.7	9.6
16th month	40.0	21.9	27.8	16.9	9.3	8.4
17th month	33.1	22.9	26.2	15.1	8.0	7.1
18th month	31.6	22.4	25.3	13.5	8.7	7.6
19th month	31.0	16.4	21.0	9.7	8.6	7.7
20th month	24.3	15.0	17.9	10.4	7.1	8.9
21st month	19.4	15.3	16.6	12.3	6.8	8.0
22d month	16.1 ⁺	14.2	14.8	9.9	7.3	6.6
23d month	16.8	13.9	14.8	10.3	8.1	7.1
24th month	33.9	18.8	23.5	12.9	8.2	7.3
2d year	316.2	223.5	254.6	160.8	107.3	92.6
3d year	248.9	140.2	172.7	97.1	67.9	63.1
4th year	128.3	81.4	93.7	55.4	49.2	56.1
5th year	58.8	56.8	57.3	44.4	48.4	34.0
6th year	68.3	48.7	53.7	38.3	46.5	34.2 ⁺
7th year	73.0 ⁺	46.2	52.8	34.1	52.6	28.5 ⁺
8th year	20.8*	23.7 ⁺	23.1 ⁺	41.6	48.5	28.3*
	Male Only					
1st year (last 6 months)	293.8	199.7	233.0	173.5	113.7	71.4
2d year	329.8	229.1	261.8	156.5	104.1	93.5
3d year	227.5	145.9	169.7	94.7	70.5	64.6
4th year	154.6	99.9	114.0	60.1	53.7	58.1
5th year	51.9 ⁺	61.3	59.1	46.1	52.9	31.7
6th year	81.2 ⁺	39.9	50.6	41.8	52.9	40.0 ⁺
7th year	78.6 ⁺	55.0	61.1	34.4	58.2	32.9 ⁺
8th year	36.6*	28.8 ⁺	30.8 ⁺	48.9	50.8	31.6*
	Female Only					
1st year (last 6 months)	315.9	226.1	260.3	181.2	118.1	99.9
2d year	298.0	215.6	244.6	168.4	115.4	89.4
3d year	277.0	131.9	176.8	101.3	60.8	58.0
4th year	89.2 ⁺	53.9	63.0	46.4	37.0	48.0
5th year	69.5 ⁺	50.1	54.8	41.1	35.5	44.0 ⁺
6th year	45.9*	62.8	58.7	30.5	27.2	0.0*
7th year	63.5*	32.7*	40.1 ⁺	33.2	35.6	0.0*
8th year	0.0*	16.6*	12.4*	24.6	41.3	0.0*

* Involves fewer than five terminations.

⁺ Involves fewer than ten terminations.

TABLE AA-2
GROUP LONG-TERM DISABILITY INSURANCE
NUMBER OF CLAIMS TERMINATED BY DEATH OR RECOVERY
(Six-Month Elimination Period; Calendar Years of Experience 1975-79)

DURATION OF DISABLEMENT	AGE AT DISABLEMENT					
	Under 30	30-39	Under 40	40-49	50-59	60-64
Male and Female Combined						
1st year (last 6 months)	497	598	1,095	1,025	1,533	437
2d year	284	403	687	666	1,100	378
3d year	120	159	279	313	579	176
4th year	36	64	100	145	354	90
5th year	11	36	47	101	295	25
6th year	12	26	38	70	221	7
7th year	9	17	26	50	170	5
8th year	2	7	9	52	100	4
Male Only						
1st year (last 6 months)	259	322	581	648	1,093	306
2d year	166	243	409	414	779	298
3d year	62	98	160	197	436	140
4th year	27	47	74	104	282	72
5th year	5	24	29	70	239	19
6th year	9	13	22	53	190	7
7th year	6	13	19	35	141	5
8th year	2	5	7	42	78	4
Female Only						
1st year (last 6 months)	238	276	514	377	440	131
2d year	118	160	278	252	321	80
3d year	58	61	119	116	143	36
4th year	9	17	26	41	72	18
5th year	6	12	18	31	56	6
6th year	3	13	16	17	31	0
7th year	3	4	7	15	29	0
8th year	0	2	2	10	22	0

TABLE AA-3

GROUP Long-TERM DISABILITY INSURANCE
RATIOS OF ACTUAL CLAIMS TERMINATED BY DEATH OR
RECOVERY TO NUMBER OF TERMINATIONS EXPECTED FROM
1964 COMMISSIONERS DISABILITY TABLE*

(Six-Month Elimination Period; Calendar Years of Experience 1975-79)

DURATION OF DISABILITY	ALL AGES OF DISABILITY COMBINED	AGE AT DISABILITY					
		Under 30	30-39	Under 40	40-49	50-59	60-64
Male and Female Combined							
1st year (last 6 months)	33.9%	56.2%	40.8%	46.6%	38.0%	30.2%	22.9%
2d year	69.1	101.7	81.0	88.6	68.6	61.4	67.3
3d year	57.8	107.8	71.2	83.6	59.0	50.7	52.4
4th year	48.8	73.9	57.3	62.4	46.8	46.0	52.5
5th year	51.3	43.7	53.3	50.5	49.3	53.6	34.4
6th year	55.3	62.6	57.2	59.0	51.3	57.3	36.6+
7th year	61.6	78.4+	62.9	67.5	49.6	67.5	31.3+
8th year	58.6	25.0+	35.3+	32.4+	62.8	63.2	30.7+
Male Only							
1st year (last 6 months)	32.1%	54.4%	38.6%	44.3%	37.4%	29.9%	20.9%
2d year	67.6	106.1	83.0	91.2	66.8	59.6	68.0
3d year	57.6	98.6	74.1	82.3	57.5	52.7	53.6
4th year	53.3	89.1	70.3	75.9	50.8	50.3	54.3
5th year	54.7	38.6+	57.5	52.2	51.1	58.6	32.0
6th year	61.4	74.5+	46.9	55.6	55.9	65.2	42.8+
7th year	67.3	84.5+	75.0	78.1	50.1	74.7	36.2+
8th year	64.6	44.0+	42.8+	43.1+	73.8	66.1	34.4+
Female Only							
1st year (last 6 months)	37.6%	58.4%	43.7%	49.5%	39.0%	31.1%	29.3%
2d year	72.4	95.8	78.1	84.9	71.9	66.0	65.0
3d year	58.3	120.0	67.0	85.5	61.5	45.4	48.1
4th year	38.1	51.4+	37.9	42.0	39.2	34.6	44.8
5th year	42.7	51.7+	47.0	48.3	45.6	39.4	44.5+
6th year	39.2	42.1+	73.7	64.5	40.7	33.5	0.0+
7th year	46.5	62.8+	44.5+	51.4+	48.3	45.7	0.0+
8th year	42.3	0.0+	24.6+	17.4+	37.2	53.7	0.0+

* As published by the Health Insurance Association of America, Table B1, Volume III.

+ Involves fewer than ten terminations.

TABLE AA-4
GROUP LONG-TERM DISABILITY INSURANCE
ILLUSTRATIVE VALUES OF A MONTHLY BENEFIT OF \$1 PAYABLE FOR
VARIOUS BENEFIT PERIODS, DISCOUNTED AT 3 PERCENT INTEREST
(Six-Month Elimination Period; Males and Females Combined)

AGE AT DISABLEMENT	VALUE AS OF END OF ELIMINATION PERIOD			VALUE AS OF END OF TWELFTH MONTH OF DISABLEMENT		
	Based on Table AA-1 Rates of Termination*	Based on 1964 CDT	Ratio to 1964 CDT	Based on Table AA-1 Rates of Termination*	Based on 1964 CDT	Ratio to 1964 CDT
	Benefit Payable for a Maximum of 60 Months but Not beyond Age 65 with First Payment Due at End of Elimination Period					
25.5	\$24.68	\$16.59	149%	\$28.72	\$28.46	101%
35.5	32.60	18.44	177	35.18	30.86	114
45.5	37.24	21.71	172	39.26	33.50	117
55.5	42.52	26.85	158	42.36	36.68	115
62.5	20.61	14.91	138	16.41	15.77	104
	Benefit Payable to Age 65 with First Payment Due at End of Elimination Period					
25.5	\$52.88	\$32.62	162%	\$69.84	\$63.86	109%
35.5	77.37	38.72	200	92.78	73.54	126
45.5	82.28	42.87	192	94.75	73.57	129
55.5	64.68	38.40	168	67.76	55.60	122
62.5	20.61	14.91	138	16.14	15.77	104

* Annuity values are based on the crude, ungraduated, combined male and female termination rates from Table AA-1 for the first six years and on the 1964 Commissioners Disability Table rates thereafter.

TABLE AA-5
GROUP LONG-TERM DISABILITY INSURANCE
ILLUSTRATIVE VALUES, UNDER PLANS WITH A SIX-MONTH
ELIMINATION PERIOD, OF A MONTHLY BENEFIT OF \$1
DISCOUNTED AT 3 PERCENT INTEREST, PAYABLE TO AGE 65,
WITH FIRST PAYMENT DUE AT END OF
ELIMINATION PERIOD

AGE AT DISABLEMENT	VALUE AS OF END OF ELIMINATION PERIOD			VALUE AS OF END OF TWELFTH MONTH OF DISABLEMENT		
	Based on Table AA-1 Rates of Termination*	Based on 1964 CDT	Ratio to 1964 CDT	Based on Table AA-1 Rates of Termination*	Based on 1964 CDT	Ratio to 1964 CDT
	Male Only					
25.5.....	\$52.58	\$32.62	161%	\$68.42	\$63.86	107%
35.5.....	76.58	38.72	198	90.44	73.54	123
45.5.....	82.55	42.87	193	94.75	73.57	129
55.5.....	64.37	38.40	168	67.31	55.60	121
62.5.....	20.74	14.91	139	16.40	15.77	104
	Female Only					
25.5.....	\$53.55	\$32.62	164%	\$72.04	\$63.86	113%
35.5.....	78.55	38.72	203	96.15	73.54	131
45.5.....	81.89	42.87	191	94.86	73.57	129
55.5.....	65.61	38.40	171	69.08	55.60	124
62.5.....	20.18	14.91	135	16.43	15.77	104

* Annuity values are based on the crude, ungraduated, male or female termination rates from Table AA-1 for the first six years and on the 1964 Commissioners Disability Table rates thereafter.

TABLE AAA
GROUP LONG-TERM DISABILITY INSURANCE
ILLUSTRATIVE VALUES OF A MONTHLY BENEFIT OF \$1
PAYABLE TO AGE 65, DISCOUNTED AT 3 PERCENT INTEREST
(Six-Month Elimination Period; Males and Females Combined)

BASIS OF ANNUITY VALUES	AGE AT DISABLEMENT				
	25.5	35.5	45.5	55.5	62.5
	Annuity Value as of End of Elimination Period				
1964 CDT.....	\$32.62	\$38.72	\$42.87	\$38.40	\$14.91
1962-69*.....	\$44.65	\$53.29	\$65.33	\$53.81	\$19.32
Ratio to 1964 CDT...	137%	138%	152%	140%	130%
1970-74*.....	\$45.27	\$63.97	\$76.90	\$60.62	\$20.40
Ratio to 1964 CDT...	139%	165%	179%	158%	137%
1975-79*.....	\$52.88	\$77.37	\$82.28	\$64.68	\$20.61
Ratio to 1964 CDT...	162%	200%	192%	168%	138%
1962-79*.....	\$49.41	\$70.18	\$78.44	\$62.41	\$20.37
Ratio to 1964 CDT...	151%	181%	183%	163%	137%
	Annuity Value as of End of Twelfth Month of Disablement				
1964 CDT.....	\$63.86	\$73.54	\$73.57	\$55.60	\$15.77
1962-69*.....	\$63.55	\$74.20	\$79.33	\$57.11	\$15.70
Ratio to 1964 CDT...	100%	101%	108%	103%	100%
1970-74*.....	\$61.49	\$78.13	\$87.72	\$63.34	\$16.28
Ratio to 1964 CDT...	96%	106%	119%	114%	103%
1975-79*.....	\$69.84	\$92.78	\$94.75	\$67.76	\$16.41
Ratio to 1964 CDT...	109%	126%	129%	122%	104%
1962-79*.....	\$66.39	\$86.32	\$90.83	\$65.52	\$16.28
Ratio to 1964 CDT...	104%	117%	123%	118%	103%

* Annuity values are based on the crude, ungraduated, combined male and female termination rates for the respective restricted observation periods for the first six years and on the 1964 Commissioners Disability Table rates thereafter.

on crude termination rates over various restricted observation periods for the first six years and the 1964 CDT thereafter, for each age group on a basis consistent with Tables A-5 and AA-4 and some unpublished data.

Experience on Plans with Three-Month and Twelve-Month Elimination Periods

Tables B-1, B-2, B-3, B-4, B-5, B-6, BB-1, BB-2, BB-3, BB-4, BB-5, and BBB analyze the experience of terminations for plans with a three-month elimination period and are similar in form and content to the corresponding tables on plans with a six-month elimination period (that is, the A series) with two exceptions. The experience shown has been truncated at *six* years instead of the eight years that was used for plans with a six-month elimination period. Also, the crude termination rates from Table B-1 are used for *four* years (instead of the six years as for plans with a six-month elimination period), with the 1964 CDT termination rates used thereafter, in calculating one of the two sets of illustrative values shown in Tables B-5 and B-6. The number of claims exposed to termination was 31,347 of which 4,618 and 5,349 emanated from the 1975-79 and 1962-74 portions, respectively, of the active lives experience, and the balance from experience units that were not included in the study of rates of disablement. Termination rates for the first year of disablement cover the nine months immediately following the elimination period.

As on plans with a six-month elimination period, the low first-year ratios shown for plans with a three-month elimination period in Table B-2 would seem to be due to the shorter elimination periods of the individual health insurance experience underlying the first-year termination rates of the 1964 CDT.

For plans with a twelve-month elimination period, the experience of terminations is analyzed in the C series of tables. These tables are similar in format to the corresponding tables of the B series. The number of claims exposed to termination was 6,195 of which 1,300 and 795 originated from the 1975-79 and 1962-74 portions, respectively, of the active lives experience, and the balance from experience units that were not included in the study of rates of disablement.

CONCLUSION

The overall termination rates shown in this report, which include one additional year of experience, are slightly lower (depending upon the elimination period, plan, age group, duration, and sex) than those shown in last year's report. The financial consequences of this change are apparent from a comparison of the annuity values shown in Tables A-5, B-

5, and C-5 between last year's and this year's report. The variation from one report to the next, once again, underscores the need to exercise caution and judgment when using the disabled life annuity values shown in the year's report for actuarial purposes such as reserving.

TABLE B-1

GROUP LONG-TERM DISABILITY INSURANCE
CRUDE TERMINATION RATES PER 1,000 CLAIMS EXPOSED
TO DEATH OR RECOVERY

(Three-Month Elimination Period; Calendar Years of Experience 1962-79)

DURATION OF DISABILITY	AGE AT DISABILITY					
	Under 30	30-39	Under 40	40-49	50-59	60-64
	Male and Female Combined					
4th month	125.9	109.3	116.5	90.5	57.7	41.6
5th month	143.1	124.6	132.5	100.2	62.5	46.7
6th month	125.9	114.6	119.4	88.0	56.9	41.4
7th month	110.9	96.3	102.5	72.1	47.4	33.7
8th month	96.1	76.6	84.8	62.4	37.0	29.3
9th month	86.1	59.1	70.1	53.1	31.4	22.0
10th month	77.4	48.7	60.3	44.0	27.5	18.6
11th month	70.4	51.2	58.7	37.1	23.6	16.1
12th month	71.2	47.6	56.7	32.9	20.5	13.4
1st year (last 9 months)	616.9	534.1	569.9	452.6	311.6	234.5
13th month	60.7	43.2	49.8	29.8	17.4	12.8
14th month	52.2	34.9	41.3	24.9	14.9	11.6
15th month	49.9	32.6	38.9	23.0	14.0	11.0
16th month	43.0	33.6	37.0	23.2	14.6	9.9
17th month	37.9	30.9	33.4	20.5	13.9	9.2
18th month	36.3	25.1	29.0	17.2	11.5	7.4
19th month	25.7	16.0	19.4	14.8	9.7	6.1
20th month	27.5	14.4	18.9	14.4	9.5	9.4
21st month	36.6	16.1	23.1	12.7	9.5	11.1
22d month	32.7	18.5	23.3	12.1	8.7	7.2
23d month	24.8†	18.0	20.3	12.2	8.0	6.0
24th month	23.5†	22.1	22.6	12.8	8.0	5.8
2d year	368.9	266.3	304.4	197.3	131.1	102.4
3d year	206.2	176.6	186.2	126.0	85.6	86.8
4th year	73.7	75.8	75.4	74.6	57.4	74.3
5th year	77.5†	71.9	73.6	41.0	58.1	60.5
6th year	29.7*	45.6†	41.4	33.8	64.8	27.4*
	Male Only					
1st year (last 9 months)	636.2	534.9	577.9	439.0	300.1	235.0
2d year	345.2	290.4	309.7	204.2	131.1	101.0
3d year	178.9	183.8	182.9	124.1	90.7	96.0
4th year	55.7†	85.8	77.1	86.5	62.6	70.1
5th year	73.5†	113.0	102.1	50.8	63.7	55.1
6th year	41.1*	73.9†	64.7	31.8	71.7	0.0*
	Female Only					
1st year (last 9 months)	593.0	532.8	559.4	473.9	338.8	232.9
2d year	396.2	232.5	297.4	185.6	130.8	106.3
3d year	234.2	166.8	189.8	129.3	71.2	58.0
4th year	96.7†	63.0	73.1	53.8	43.1	86.3
5th year	80.9*	20.2*	36.4†	24.2†	42.4	75.1†
6th year	14.3*	11.7*	12.4*	37.1	45.1	107.5*

*Involves fewer than five terminations.

† Involves fewer than ten terminations.

TABLE B-2
 GROUP LONG-TERM DISABILITY INSURANCE
 NUMBER OF CLAIMS TERMINATED BY DEATH OR RECOVERY
 (Three-Month Elimination Period; Calendar Years of Experience 1962-79)

DURATION OF DISABLEMENT	AGE AT DISABLEMENT					
	Under 30	30-39	Under 40	40-49	50-59	60-64
Male and Female Combined						
1st year (last 9 months)	1,545	1,754	3,299	2,846	3,681	1,242
2d year	240	301	541	547	857	291
3d year	61	109	170	234	406	148
4th year	12	29	41	98	205	62
5th year	9	20	29	39	157	19
6th year	2	9	11	24	115	2
Male Only						
1st year (last 9 months)	879	1,001	1,880	1,691	2,500	936
2d year	120	192	312	357	626	216
3d year	29	63	92	148	314	125
4th year	5	18	23	71	164	42
5th year	5	18	23	31	127	13
6th year	2	8	10	14	95	0
Female Only						
1st year (last 9 months)	666	753	1,419	1,155	1,181	306
2d year	120	109	229	190	231	75
3d year	32	46	78	86	92	23
4th year	7	11	18	27	41	20
5th year	4	2	6	8	30	6
6th year	0	1	1	10	20	2

TABLE B-3
GROUP LONG-TERM DISABILITY INSURANCE
RATIOS OF ACTUAL CLAIMS TERMINATED BY DEATH OR
RECOVERY TO NUMBER OF TERMINATIONS EXPECTED FROM
1964 COMMISSIONERS DISABILITY TABLE*

(Three-Month Elimination Period: Calendar Years of Experience 1962-79)

DURATION OF DISABLEMENT	ALL AGES OF DIS- ABLEMENT COMBINED	AGE AT DISABLEMENT					
		Under 30	30-39	Under 40	40-49	50-59	60-64
Male and Female Combined							
1st year (last 9 months)	48.1%	69.5%	60.7%	64.5%	53.8%	41.5%	35.4%
2d year	83.2	118.6	96.5	105.5	84.2	75.0	74.4
3d year	71.8	89.3	89.7	89.7	76.6	63.9	72.0
4th year	57.4	42.5	53.4	49.9	63.0	53.7	69.4
5th year	60.6	57.6†	67.5	64.4	45.4	64.3	61.1
6th year	66.6	27.3†	53.5†	45.3	45.2	79.8	29.3†
Male Only							
1st year (last 9 months)	46.3%	71.7%	60.8%	65.4%	52.2%	40.0%	35.4%
2d year	82.9	111.0	105.2	107.4	87.1	75.0	73.5
3d year	73.7	77.5	93.4	88.3	75.4	67.8	79.6
4th year	61.7	32.1†	60.4	51.0	73.1	58.5	65.5
5th year	69.0	54.6†	106.0	89.0	56.3	70.5	55.7
6th year	74.4	37.7†	86.8†	70.4	42.6	88.5	0.0†
Female Only							
1st year (last 9 months)	51.7%	66.8%	60.5%	63.3%	56.3%	45.2%	35.1%
2d year	83.8	127.4	84.2	102.9	79.2	74.9	77.3
3d year	67.6	101.5	84.7	91.2	78.6	53.2	48.2
4th year	47.6	55.7†	44.3	48.4	45.5	40.3	80.7
5th year	41.5	60.1†	18.9†	32.0†	26.8†	47.0	75.9†
6th year	48.9	13.1†	13.8†	13.7†	49.6	55.6	115.1†

* As published by the Health Insurance Association of America, Table B1, Vol. III.

† Involves fewer than ten terminations.

TABLE B-4

GROUP LONG-TERM DISABILITY INSURANCE RATIOS OF ACTUAL CLAIMS TERMINATED BY DEATH OR RECOVERY
TO NUMBER OF TERMINATIONS EXPECTED FROM 1964 COMMISSIONERS DISABILITY TABLE*
(Three-Month Elimination Period; Calendar Years of Experience 1962-79)

ALL AGES OF DISABLEMENT COMBINED

DURATION OF DISABLEMENT	YEAR OF DISABLEMENT											
	1969 and Prior	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	All Years
	Male and Female Combined											
1st year (last 9 months)	59.0%	51.5%	54.0	51.6%	47.4%	45.6%	42.5%	42.0%	46.4%	44.0%	44.9%	48.1%
2d year	108.3	103.2	103.9	88.3	70.4	72.9	78.6	70.9	72.1	83.2	.....	83.2
3d year	105.2	95.2	83.9	63.0	64.3	61.7	66.7	57.3	61.4	.....	.....	71.8
4th year	97.0	74.2	53.1	55.3	43.3	48.0	40.5	49.4	.....	.....	.....	57.4
5th year	68.5	71.8	75.4	52.9	62.3	58.7	26.7	.....	.....	.....	.....	60.6
6th year	99.4	33.6†	68.2	66.3	57.9	42.5	.....	.....	.....	.....	.....	66.6
	Male Only											
1st year (last 9 months)	58.3%	49.0%	52.8%	49.4%	45.1%	43.1%	39.8%	40.4%	43.6%	42.1%	41.5%	46.3%
2d year	112.1	98.8	96.6	88.1	68.8	70.7	76.4	71.6	72.4	86.4	.....	82.9
3d year	104.9	92.7	83.9	62.2	70.1	66.9	70.5	62.8	48.7	.....	.....	73.7
4th year	102.3	69.6	56.9	61.4	49.7	52.4	45.4	49.3	.....	.....	.....	61.7
5th year	81.9	63.6	84.7	59.4	72.6	66.0	32.6	.....	.....	.....	.....	69.0
6th year	101.9	42.0†	73.8	75.3	70.4	44.9	.....	.....	.....	.....	.....	74.4
	Female Only											
1st year (last 9 months)	60.7%	57.7%	57.0%	55.7%	51.7%	49.8%	47.5%	45.0%	51.3%	47.7%	50.2%	51.7%
2d year	98.9	114.6	122.7	88.6	73.5	76.8	82.8	69.6	71.3	76.8	.....	83.8
3d year	105.5	101.5	83.7	64.5	51.6	51.6	58.6	46.2	88.8	.....	.....	67.6
4th year	84.0	86.6	41.9†	40.5	29.5	39.5	29.5	49.5	.....	.....	.....	47.6
5th year	35.2†	94.9†	49.8†	37.7†	40.8	44.2	13.9†	.....	.....	.....	.....	41.5
6th year	93.2	8.3†	53.3†	47.0†	32.1†	37.2†	.....	.....	.....	.....	.....	48.9

* As published by the Health Insurance Association of America, Table B1, Vol. III.

† Involves fewer than ten terminations.

TABLE B-5
GROUP LONG-TERM DISABILITY INSURANCE
ILLUSTRATIVE VALUES OF A MONTHLY BENEFIT OF \$1 PAYABLE FOR
VARIOUS BENEFIT PERIODS, DISCOUNTED AT 3 PERCENT INTEREST
(Three-Month Elimination Period; Males and Females Combined)

AGE AT DISABLEMENT	VALUE AS OF END OF ELIMINATION PERIOD			VALUE AS OF END OF TWELFTH MONTH OF DISABLEMENT		
	Based on Table B-1 Rates of Termination*	Based on 1964 CDT	Ratio to 1964 CDT	Based on Table B-1 Rates of Termination*	Based on 1964 CDT	Ratio to 1964 CDT
	Benefit Payable for a Maximum of 60 Months but Not beyond Age 65 with First Payment Due at End of Elimination Period					
25.5.....	\$15.40	\$ 5.43	284%	\$26.77	\$27.50	97%
35.5.....	19.96	5.95	335	31.11	29.72	105
45.5.....	24.96	7.82	319	34.86	32.18	108
55.5.....	33.16	12.25	271	38.62	35.19	110
62.5.....	19.73	9.67	204	16.22	15.77	103
	Benefit Payable to Age 65 with First Payment Due at End of Elimination Period					
25.5.....	\$29.82	\$ 9.41	317%	\$65.29	\$63.86	102%
35.5.....	42.31	11.09	382	80.15	73.54	109
45.5.....	50.46	14.23	355	82.50	73.57	112
55.5.....	49.27	17.24	286	62.54	55.60	112
62.5.....	19.73	9.67	204	16.22	15.77	103

* Annuity values are based on the crude, ungraduated, combined male and female termination rates from Table B-1 for the first four years and on the 1964 Commissioners Disability Table rates thereafter.

TABLE B-6
GROUP LONG-TERM DISABILITY INSURANCE
ILLUSTRATIVE VALUES, UNDER PLANS WITH A THREE-MONTH
ELIMINATION PERIOD, OF A MONTHLY BENEFIT OF \$1
DISCOUNTED AT 3 PERCENT INTEREST, PAYABLE TO AGE 65,
WITH FIRST PAYMENT DUE AT END OF ELIMINATION PERIOD

AGE AT DISABLEMENT	VALUE AS OF END OF ELIMINATION PERIOD			VALUE AS OF END OF TWELFTH MONTH OF DISABLEMENT		
	Based on Table B-1 Rates of Termination*	Based on 1964 CDT	Ratio to 1964 CDT	Based on Table B-1 Rates of Termination*	Based on 1964 CDT	Ratio to 1964 CDT
Male Only						
25.5.....	\$30.30	\$ 9.41	322%	\$70.49	\$63.86	110%
35.5.....	40.61	11.09	366	76.55	73.54	104
45.5.....	50.94	14.23	358	81.22	73.57	110
55.5.....	49.71	17.24	288	62.09	55.60	112
62.5.....	19.73	9.67	204	16.23	15.77	103
Female Only						
25.5.....	\$29.32	\$ 9.41	312%	\$59.72	\$63.86	94%
35.5.....	44.76	11.09	404	85.30	73.54	116
45.5.....	49.77	14.23	350	84.74	73.57	115
55.5.....	48.29	17.24	280	63.84	55.60	115
62.5.....	19.75	9.67	204	16.20	15.77	103

* Annuity values are based on the crude, ungraduated, male or female termination rates from Table B-1 for the first four years and on the 1964 Commissioners Disability Table rates thereafter.

TABLE BB-1

GROUP LONG-TERM DISABILITY INSURANCE
CRUDE TERMINATION RATES PER 1,000 CLAIMS EXPOSED
TO DEATH OR RECOVERY

(Three-Month Elimination Period; Calendar Years of Experience 1975-79)

DURATION OF DISABLEMENT	AGE AT DISABLEMENT					
	Under 30	30-39	Under 40	40-49	50-59	60-64
	Male and Female Combined					
4th month	127.1	104.6	114.9	88.8	51.5	39.0
5th month	135.5	116.2	125.0	93.8	54.3	39.5
6th month	114.4	103.7	108.6	81.2	47.9	33.4
7th month	106.5	90.1	97.5	64.9	40.6	25.3
8th month	96.9	75.8	85.3	52.1	31.6	24.0
9th month	84.1	61.1	71.0	45.0	27.6	21.9
10th month	73.5	46.7	58.1	39.6	25.1	17.1
11th month	63.0	46.5	53.2	29.5	21.3	12.6
12th month	60.4	42.2	49.6	27.0	17.4	11.8
1st year (last 9 months)	597.1	512.5	551.2	417.6	276.5	203.6
13th month	53.0	35.8	42.8	26.8	14.2	11.8
14th month	51.2	28.5	37.6	21.5	12.5	11.2
15th month	51.2	29.4	38.0	21.8	11.6	9.5
16th month	41.6	30.6	34.9	22.1	12.4	7.2
17th month	32.8	28.3	30.0	17.6	11.7	7.1
18th month	33.3	20.7 [†]	25.4	14.2	9.8	6.7
19th month	27.5 [†]	12.2 [†]	17.9	13.1	9.2	5.7 [†]
20th month	26.2	13.4 [†]	18.1	15.3	9.2	7.7
21st month	32.4	11.8 [†]	19.2	12.0	8.9	10.8
22d month	23.6 [*]	15.9	18.7	8.6	8.3	7.2 [†]
23d month	17.5 [†]	16.3 [†]	16.7	10.5	7.8	4.4 [†]
24th month	19.8 [†]	16.1	17.4	11.1	7.6	3.5 [*]
2d year	341.8	230.6	275.0	178.2	116.6	89.1
3d year	180.4	152.7	162.3	105.3	77.2	78.5
4th year	62.6 [†]	61.4	62.1	67.9	46.3	62.5
5th year	86.6 [†]	74.6	78.3	43.1	53.6	47.4
6th year	27.0 [*]	45.5 [†]	40.1 [†]	30.6	58.7	17.5 [*]
	Male Only					
1st year (last 9 months)	605.4	498.4	546.5	400.5	268.0	196.0
2d year	309.9	266.2	282.6	185.4	116.6	85.3
3d year	159.0	155.9	157.9	107.8	83.5	85.3
4th year	42.1 [*]	67.1	59.7	82.0	52.4	59.5
5th year	89.6 [†]	112.8	106.0	56.9	58.9	41.3 [†]
6th year	46.4 [*]	70.9 [†]	63.2 [†]	29.3	65.5	0.0 [*]
	Female Only					
1st year (last 9 months)	587.5	529.3	556.6	442.1	295.6	224.4
2d year	375.9	182.9	266.0	166.8	116.6	100.2
3d year	198.8	148.1	166.7	101.4	60.3	58.5
4th year	85.4 [†]	53.9 [†]	64.4	44.8	30.0	71.2
5th year	81.5 [*]	25.9 [*]	41.7 [†]	19.9 [†]	39.4	63.4 [*]
6th year	0.0 [*]	15.1 [*]	11.1 [*]	32.3 [†]	39.6	70.2 [*]

* Involves fewer than five terminations.

† Involves fewer than ten terminations.

TABLE BB-2

GROUP LONG-TERM DISABILITY INSURANCE
 NUMBER OF CLAIMS TERMINATED BY DEATH OR RECOVERY
 (Three-Month Elimination Period; Calendar Years of Experience 1975-79)

DURATION OF DISABLEMENT	AGE AT DISABLEMENT					
	Under 30	30-39	Under 40	40-49	50-59	60-64
	Male and Female Combined					
1st year (last 9 months)	882	893	1,775	1,237	1,709	576
2d year	149	154	303	277	469	150
3d year	39	63	102	127	252	90
4th year	8	18	26	67	122	39
5th year	8	16	24	33	116	11
6th year	2	7	9	17	87	1
	Male Only					
1st year (last 9 months)	474	476	950	705	1,149	407
2d year	68	103	171	176	334	107
3d year	18	35	53	81	196	74
4th year	3	11	14	50	100	26
5th year	5	14	19	27	93	7
6th year	2	6	8	10	72	0
	Female Only					
1st year (last 9 months)	408	417	825	532	560	169
2d year	81	51	132	101	135	43
3d year	21	28	49	46	56	16
4th year	5	7	12	17	22	13
5th year	3	2	5	6	23	4
6th year	0	1	1	7	15	1

TABLE BB-3

**GROUP LONG-TERM DISABILITY INSURANCE
RATIOS OF ACTUAL CLAIMS TERMINATED BY DEATH OR
RECOVERY TO NUMBER OF TERMINATIONS EXPECTED FROM
1964 COMMISSIONERS DISABILITY TABLE***

(Three-Month Elimination Period; Calendar Years of Experience 1975-79)

DURATION OF DISABLEMENT	ALL AGES OF DIS- ABLEMENT COMBINED	AGE AT DISABLEMENT					
		Under 30	30-39	Under 40	40-49	50-59	60-64
Male and Female Combined							
1st year (last 9 months)	44.3%	67.3%	58.2%	62.4%	49.6%	36.9%	30.7%
2d year	74.4	109.9	83.5	95.0	76.0	66.7	64.8
3d year	63.2	78.2	77.6	77.9	64.0	57.6	65.1
4th year	48.0	36.1†	43.2	40.9	57.4	43.3	58.4
5th year	57.7	64.4†	69.9	68.3	47.8	59.3	47.9
6th year	60.5	24.8†	53.4†	43.7†	40.8	72.4	18.7†
Male Only							
1st year (last 9 months)	41.8%	68.2%	56.6%	61.9%	47.6%	35.7%	29.6%
2d year	73.9	99.7	96.4	97.8	79.1	66.7	62.0
3d year	66.0	68.9	79.2	76.1	65.5	62.3	70.8
4th year	53.0	24.2†	47.2	39.4	69.3	49.0	55.6
5th year	66.3	66.6†	105.8	92.1	63.1	65.2	41.7†
6th year	68.6	42.5†	83.2†	68.4†	39.2	80.8	0.0†
Female Only							
1st year (last 9 months)	48.7%	66.2%	60.2%	63.0%	52.5%	39.4%	33.8%
2d year	75.4	120.9	66.2	91.7	71.2	66.7	72.9
3d year	57.3	86.1	75.3	79.8	61.6	45.1	48.5
4th year	37.3	49.2†	37.9†	42.4	37.9	28.1	66.6
5th year	38.8	60.6†	24.3†	36.5†	22.1†	43.6	64.0†
6th year	42.6	0.0†	17.7†	12.1†	43.2†	48.9	75.1†

* As published by the Health Insurance Association of America, Table B1, Vol. III.

† Involves fewer than ten terminations.

TABLE BB-4
GROUP LONG-TERM DISABILITY INSURANCE
ILLUSTRATIVE VALUES OF A MONTHLY BENEFIT OF \$1 PAYABLE FOR
VARIOUS BENEFIT PERIODS, DISCOUNTED AT 3 PERCENT INTEREST
(Three-Month Elimination Period; Males and Females Combined)

AGE AT DISABLEMENT	VALUE AS OF END OF ELIMINATION PERIOD			VALUE AS OF END OF TWELFTH MONTH OF DISABLEMENT		
	Based on Table BB-1 Rates of Termination*	Based on 1964 CDT	Ratio to 1964 CDT	Based on Table BB-1 Rates of Termination*	Based on 1964 CDT	Ratio to 1964 CDT
	Benefit Payable for a Maximum of 60 Months but Not beyond Age 65 with First Payment Due at End of Elimination Period					
25.5	\$16.60	\$ 5.43	306%	\$28.26	\$27.50	103%
35.5	21.70	5.95	365	33.08	29.72	111
45.5	27.05	7.82	346	36.14	32.18	112
55.5	35.36	12.25	289	39.59	35.19	113
62.5	20.52	9.67	212	16.39	15.77	104
	Benefit Payable to Age 65 with First Payment Due at End of Elimination Period					
25.5	\$33.14	\$ 9.41	352%	\$70.24	\$63.86	110%
35.5	47.34	11.09	427	86.84	73.54	118
45.5	55.69	14.23	391	86.42	73.57	117
55.5	52.94	17.24	307	64.43	55.60	116
62.5	20.52	9.67	212	16.39	15.77	104

* Annuity values are based on the crude, ungraduated, combined male and female termination rates from Table BB-1 for the first four years and on the 1964 Commissioners Disability Table rates thereafter.

TABLE BB-5
GROUP LONG-TERM DISABILITY INSURANCE
ILLUSTRATIVE VALUES, UNDER PLANS WITH A THREE-MONTH
ELIMINATION PERIOD, OF A MONTHLY BENEFIT OF \$1
DISCOUNTED AT 3 PERCENT INTEREST, PAYABLE TO AGE 65.
WITH FIRST PAYMENT DUE AT END OF ELIMINATION PERIOD

AGE AT DISABLEMENT	VALUE AS OF END OF ELIMINATION PERIOD			VALUE AS OF END OF TWELFTH MONTH OF DISABILITY		
	Based on Table BB-1 Rates of Termination*	Based on 1964 CDT	Ratio to 1964 CDT	Based on Table BB-1 Rates of Termination*	Based on 1964 CDT	Ratio to 1964 CDT
Male Only						
25.5	\$34.80	\$ 9.41	370%	\$76.21	\$63.86	119%
35.5	46.46	11.09	419	82.44	73.54	112
45.5	56.18	14.23	395	84.61	73.57	115
55.5	53.11	17.24	308	63.85	55.60	115
62.5	20.73	9.67	214	16.44	15.77	104
Female Only						
25.5	\$31.54	\$ 9.41	335%	\$64.43	\$63.86	101%
35.5	48.58	11.09	438	92.86	73.54	126
45.5	55.10	14.23	387	89.42	73.57	122
55.5	52.70	17.24	306	65.96	55.60	119
62.5	19.97	9.67	207	16.24	15.77	103

* Annuity values are based on the crude, ungraduated, male or female termination rates from Table BB-1 for the first four years and on the 1964 Commissioners Disability Table rates thereafter.

TABLE BBB
GROUP LONG-TERM DISABILITY INSURANCE
ILLUSTRATIVE VALUES OF A MONTHLY BENEFIT OF \$1
PAYABLE TO AGE 65, DISCOUNTED AT 3 PERCENT INTEREST
(Three-Month Elimination Period; Males and Females Combined)

BASIS OF ANNUITY VALUES	AGE AT DISABLEMENT				
	25.5	35.5	45.5	55.5	62.5
	Annuity Value as of End of Elimination Period				
1964 CDT.....	\$ 9.41	\$11.09	\$14.23	\$17.24	\$ 9.67
1962-69*.....	\$16.76	\$27.68	\$34.24	\$39.47	\$17.64
Ratio to 1964 CDT...	178%	250%	241%	229%	182%
1970-74*.....	\$25.90	\$37.87	\$47.45	\$45.55	\$19.15
Ratio to 1964 CDT...	275%	341%	333%	264%	198%
1975-79*.....	\$33.14	\$47.34	\$55.69	\$52.94	\$20.52
Ratio to 1964 CDT...	352%	427%	391%	307%	212%
1962-79*.....	\$29.82	\$42.31	\$50.46	\$49.27	\$19.73
Ratio to 1964 CDT...	317%	382%	355%	286%	204%
	Annuity Value as of End of Twelfth Month of Disablement				
1964 CDT.....	\$63.86	\$73.54	\$73.57	\$55.60	\$15.77
1962-69*.....	\$44.76	\$56.84	\$64.55	\$57.14	\$15.65
Ratio to 1964 CDT...	70%	77%	88%	103%	99%
1970-74*.....	\$56.31	\$72.24	\$78.65	\$59.28	\$16.05
Ratio to 1964 CDT...	88%	98%	107%	107%	102%
1975-79*.....	\$70.24	\$86.84	\$86.42	\$64.43	\$16.39
Ratio to 1964 CDT...	110%	118%	117%	116%	104%
1962-79*.....	\$65.29	\$80.15	\$82.50	\$62.54	\$16.22
Ratio to 1964 CDT...	102%	109%	112%	112%	103%

* Annuity values are based on the crude, ungraduated, combined male and female termination rates for the respective restricted observation periods for the first four years and on the 1964 Commissioners Disability Table rates thereafter.

TABLE C-1
 GROUP LONG-TERM DISABILITY INSURANCE
 CRUDE TERMINATION RATES PER 1,000 CLAIMS EXPOSED
 TO DEATH OR RECOVERY
 (Twelve-Month Elimination Period; Calendar Years of Experience 1962-79)

DURATION OF DISABILITY	AGE AT DISABILITY					
	Under 30	30-39	Under 40	40-49	50-59	60-64
Male and Female Combined						
13th month	17.4 [†]	19.6	18.9	14.2	11.9	13.0
14th month	25.0*	30.3 [†]	28.5	16.4	13.6	14.6
15th month	30.3 [†]	25.4 [†]	27.1	13.9 [†]	11.1	13.9 [†]
16th month	24.7*	15.3*	18.6*	12.0	8.8	11.0 [†]
17th month	22.8*	16.5 [†]	18.7	16.4	11.4	9.2 [†]
18th month	48.2 [†]	23.5 [†]	32.1	15.6 [†]	10.4	6.6*
19th month	46.3*	22.4 [†]	30.7 [†]	13.4	7.5	5.4*
20th month	27.9*	18.6*	21.7 [†]	13.8 [†]	6.4	5.6*
21st month	19.6*	17.1*	18.0 [†]	13.5 [†]	6.3	7.5 [†]
22d month	10.5*	17.6*	15.4*	16.9	7.5	12.1 [†]
23d month	22.0*	24.3 [†]	23.5 [†]	15.7 [†]	11.9	13.6 [†]
24th month	28.6*	22.4*	24.4*	9.8 [†]	13.1	15.4 [†]
2d year	280.0	225.7	245.1	158.7	113.5	120.7
3d year	174.9	112.2	132.9	120.4	84.7	75.4
4th year	134.4 [†]	75.9 [†]	94.2	76.6	75.6	67.1
5th year	121.1*	42.1*	65.4 [†]	42.8	66.9	19.8*
6th year	131.9*	21.2*	48.7*	55.9	64.4	31.3*
Male Only						
2d year	270.0	254.3	260.0	160.1	115.6	123.3
3d year	152.7 [†]	96.6	115.2	110.5	83.0	79.3
4th year	163.9 [†]	77.4 [†]	104.2	86.6	85.8	63.5
5th year	148.1*	54.3*	84.6 [†]	39.7 [†]	73.5	22.6*
6th year	166.5*	31.0*	68.4*	63.3	71.7	33.3*
Female Only						
2d year	315.0	110.9 [†]	189.2	153.9	104.4	103.3
3d year	251.0*	168.0 [†]	196.9 [†]	152.8	92.0	47.4*
4th year	0.0*	69.2*	50.5*	41.9*	31.7 [†]	93.8*
5th year	0.0*	0.0*	0.0*	53.6*	39.3 [†]	0.0*
6th year	0.0*	0.0*	0.0*	26.1*	35.1*	0.0*

* Involves fewer than five terminations.

† Involves fewer than ten terminations.

TABLE C-2

GROUP LONG-TERM DISABILITY INSURANCE
NUMBER OF CLAIMS TERMINATED BY DEATH OR RECOVERY
(Twelve-Month Elimination Period; Calendar Years of Experience 1962-79)

DURATION OF DISABLEMENT	AGE AT DISABLEMENT					
	Under 30	30-39	Under 40	40-49	50-59	60-64
	Male and Female Combined					
2d year.....	41	61	102	129	257	90
3d year.....	12	17	29	63	124	27
4th year.....	6	7	13	28	81	13
5th year.....	3	3	6	11	51	1
6th year.....	2	1	3	11	35	1
	Male Only					
2d year.....	30	55	85	100	211	80
3d year.....	9	11	20	45	99	25
4th year.....	6	6	12	25	75	11
5th year.....	3	3	6	8	46	1
6th year.....	2	1	3	10	31	1
	Female Only					
2d year.....	11	6	17	29	46	10
3d year.....	3	6	9	18	25	2
4th year.....	0	1	1	3	6	2
5th year.....	0	0	0	3	5	0
6th year.....	0	0	0	1	4	0

TABLE C-3

GROUP LONG-TERM DISABILITY INSURANCE
 RATIOS OF ACTUAL CLAIMS TERMINATED BY DEATH OR
 RECOVERY TO NUMBER OF TERMINATIONS EXPECTED FROM
 1964 COMMISSIONERS DISABILITY TABLE*

(Twelve-Month Elimination Period; Calendar Years of Experience 1962-79)

DURATION OF DISABLEMENT	ALL AGES OF DIS- ABLEMENT COMBINED	AGE AT DISABLEMENT					
		Under 30	30-39	Under 40	40-49	50-59	60-64
Male and Female Combined							
2d year.....	71.4%	90.1%	81.7%	85.0%	67.8%	64.9%	87.8%
3d year.....	65.7	75.8	57.0	64.2	73.1	63.3	62.5
4th year.....	67.6	77.4†	53.4†	62.3	64.7	70.7	62.7
5th year.....	63.9	90.0†	39.4†	57.3†	47.4	74.1	20.0†
6th year.....	75.4	121.0†	24.8†	53.6†	74.7	79.4	33.5†
Male Only							
2d year.....	73.3%	86.8%	92.1%	90.2%	68.3%	66.1%	89.7%
3d year.....	63.0	66.2†	49.1	55.6	67.1	62.0	65.8
4th year.....	75.2	94.4†	54.5†	68.9	73.1	80.3	59.3
5th year.....	69.3	110.1†	50.9†	74.0†	44.0†	81.4	22.9†
6th year.....	85.5	152.8†	36.4†	74.8†	84.7	88.4	35.7†
Female Only							
2d year.....	63.4%	101.3%	40.2%	65.5%	65.7%	59.7%	75.1%
3d year.....	76.8	108.8†	85.4†	95.0†	92.8	68.7	39.3†
4th year.....	35.0	0.0†	48.7†	33.5†	35.4†	29.6†	87.6†
5th year.....	41.2†	0.0†	0.0†	0.0†	59.4†	43.5†	0.0†
6th year.....	36.1†	0.0†	0.0†	0.0†	35.0†	43.2†	0.0†

* As published by the Health Insurance Association of America, Table B1, Vol. III.

† Involves fewer than ten terminations.

TABLE C-4

GROUP LONG-TERM DISABILITY INSURANCE RATIOS OF ACTUAL CLAIMS TERMINATED BY DEATH OR RECOVERY
TO NUMBER OF TERMINATIONS EXPECTED FROM 1964 COMMISSIONERS DISABILITY TABLE*
(Twelve-Month Elimination Period; Calendar Years of Experience 1962-79)

ALL AGES OF DISABLEMENT COMBINED

DURATION OF DISABLEMENT	YEAR OF DISABLEMENT											
	1969 and Prior	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	All Years
	Male and Female Combined											
2d year	67.8%	108.4%	92.1%	77.2%	46.8%	72.8%	56.9%	73.0%	68.8%	62.8%	.....	71.4%
3d year	91.6	102.0	45.2	61.3	42.0	60.0	53.9	49.2	75.1	.....	.....	65.7
4th year	81.5	80.2	58.2	65.1	86.4	69.6	25.6†	34.3†	.....	.....	.....	67.6
5th year	80.2	59.0†	44.5†	42.7†	87.5	44.2†	68.1†	.....	.....	.....	.....	63.9
6th year	97.3	40.7†	69.9†	66.2†	77.7†	21.7†	.....	.....	.....	.....	.....	75.4
	Male Only											
2d year	64.6%	117.9%	97.1%	81.8%	51.8%	78.8%	57.9%	69.7%	75.1%	54.9%	.....	73.3%
3d year	85.1	113.2	52.2	55.7	43.3	55.5	44.8	47.3	51.6	.....	.....	63.0
4th year	89.1	85.5	72.6	75.4	99.7	77.4	21.5†	30.8†	.....	.....	.....	75.2
5th year	85.7	75.3†	27.9†	45.3†	108.3	53.6†	74.0†	.....	.....	.....	.....	69.3
6th year	106.2	35.7†	85.7†	83.3†	103.0†	0.0†	.....	.....	.....	.....	.....	85.5
	Female Only											
2d year	81.2%	64.6%†	71.3%†	54.4%†	23.6%†	45.4%†	52.4%	81.6%	48.6%	87.4%†	.....	63.4%
3d year	118.3	56.2†	14.5†	85.4†	35.8†	80.6†	88.5†	55.5†	150.7†	.....	.....	76.8
4th year	47.9†	59.6†	0.0†	20.4†	21.4†	30.7†	40.3†	42.8†	.....	.....	.....	35.0
5th year	56.8†	0.0†	108.8†	31.8†	0.0†	0.0†	13.6†	.....	.....	.....	.....	41.2†
6th year	58.2†	51.2†	0.0†	0.0†	0.0†	95.8†	.....	.....	.....	.....	.....	36.1†

* As published by the Health Insurance Association of America, Table B1, Vol. III.

† Involves fewer than ten terminations.

TABLE C-5
GROUP LONG-TERM DISABILITY INSURANCE
ILLUSTRATIVE VALUES OF A MONTHLY BENEFIT OF \$1
PAYABLE FOR VARIOUS BENEFIT PERIODS,
DISCOUNTED AT 3 PERCENT INTEREST
(Twelve-Month Elimination Period;
Males and Females Combined)

AGE AT DISABLEMENT	VALUE AS OF END OF ELIMINATION PERIOD		
	Based on Table C-1 Rates of Termination*	Based on 1964 CDT	Ratio to 1964 CDT
	Benefit Payable for a Maximum of 60 Months but Not beyond Age 65 with First Payment Due at End of Elimination Period		
25.5	\$33.43	\$30.28	110%
35.5	38.41	33.03	116
45.5	41.23	36.02	114
55.5	44.21	39.53	112
62.5	16.08	15.77	102
	Benefit Payable to Age 65 with First Payment Due at End of Elimination Period		
25.5	\$72.87	\$63.86	114%
35.5	90.01	73.54	122
45.5	86.71	73.57	118
55.5	63.08	55.60	113
62.5	16.07	15.77	102

* Annuity values are based on the crude, ungraduated, combined male and female termination rates from Table C-1 for the first four years and on the 1964 Commissioners Disability Table rates thereafter.

TABLE C-6
 GROUP LONG-TERM DISABILITY INSURANCE
 ILLUSTRATIVE VALUES, UNDER PLANS WITH A
 TWELVE-MONTH ELIMINATION PERIOD, OF A MONTHLY
 BENEFIT OF \$1, DISCOUNTED AT 3 PERCENT INTEREST,
 PAYABLE TO AGE 65, WITH FIRST PAYMENT DUE
 AT END OF ELIMINATION PERIOD

AGE AT DISABLEMENT	VALUE AS OF END OF ELIMINATION PERIOD		
	Based on Table C-1 Rates of Termination*	Based on 1964 CDT	Ratio to 1964 CDT
	Male Only		
25.5	\$73.45	\$63.86	115%
35.5	88.05	73.54	120
45.5	86.68	73.57	118
55.5	62.62	55.60	113
62.5	16.04	15.77	102
	Female Only		
25.5	\$71.79	\$63.86	112%
35.5	97.65	73.54	133
45.5	86.87	73.57	118
55.5	65.08	55.60	117
62.5	16.31	15.77	103

* Annuity values are based on the crude, ungraduated, male or female termination rates from Table C-1 for the first four years and on the 1964 Commissioners Disability Table rates thereafter.

TABLE CC-1

GROUP LONG-TERM DISABILITY INSURANCE
 CRUDE TERMINATION RATES PER 1,000 CLAIMS EXPOSED
 TO DEATH OR RECOVERY

(Twelve-Month Elimination Period; Calendar Years of Experience 1975-79)

DURATION OF DISABLEMENT	AGE AT DISABLEMENT					
	Under 30	30-39	Under 40	40-49	50-59	60-64
	Male and Female Combined					
13th month	20.7*	19.8†	20.2	13.6†	9.5	7.6†
14th month	32.3*	28.2†	29.7†	13.0*	10.2	14.4†
15th month	44.9†	19.3*	28.6†	9.7*	7.9†	16.3†
16th month	25.5*	11.9*	17.0*	7.7†	7.4	11.2*
17th month	17.0*	12.4*	14.2†	14.4†	10.7	8.8*
18th month	59.7†	19.8*	34.1	14.9†	9.1†	9.1†
19th month	56.0*	23.9*	35.3†	15.5†	4.7*	7.9*
20th month	27.4*	21.5*	23.6†	17.3†	3.8†	4.9†
21st month	21.8*	26.2*	24.8†	11.8*	5.3†	5.2†
22d month	15.6*	19.2*	18.0*	9.2*	6.4†	14.4†
23d month	32.5*	21.0*	24.9†	12.5*	11.6	14.9†
24th month	42.4*	21.6*	28.8*	11.3*	12.3†	12.1†
2d year	332.4	219.2	261.5	141.0	94.6	119.7
3d year	199.7†	95.0†	103.8	82.2	75.9	55.8†
4th year	115.0*	58.0*	78.1†	38.7†	79.8	56.9†
5th year	93.8*	39.1*	57.6*	40.7†	49.9	29.2*
6th year	0.0*	0.0*	0.0*	75.1	44.0	0.0*
	Male Only					
2d year	328.8	233.7	269.0	142.6	95.4	121.0
3d year	97.6*	80.0†	86.4	67.7	75.3	62.3†
4th year	140.5*	50.8*	80.9†	42.2†	91.2	62.0†
5th year	114.1*	46.9*	70.5*	36.8†	54.9	31.0*
6th year	0.0*	0.0*	0.0*	88.7	52.4	0.0*
	Female Only					
2d year	361.2†	163.9†	236.0	135.6	90.8	108.9*
3d year	201.0*	160.9*	178.2*	125.5†	78.6	0.0*
4th year	0.0*	97.5*	61.5*	27.9*	33.2*	0.0*
5th year	0.0*	0.0*	0.0*	53.9*	28.9*	0.0*
6th year	0.0*	0.0*	0.0*	31.0*	12.9*	0.0*

* Involves fewer than five terminations.

† Involves fewer than ten terminations.

TABLE CC-2

GROUP LONG-TERM DISABILITY INSURANCE
 NUMBER OF CLAIMS TERMINATED BY DEATH OR RECOVERY

(Twelve-Month Elimination Period: Calendar Years of Experience 1975-79)

DURATION OF DISABLEMENT	AGE AT DISABLEMENT					
	Under 30	30-39	Under 40	40-49	50-59	60-64
Male and Female Combined						
2d year.....	34	38	72	57	113	43
3d year.....	5	9	14	22	61	9
4th year.....	4	4	8	8	51	5
5th year.....	2	2	4	7	22	1
6th year.....	0	0	0	11	16	0
Male Only						
2d year.....	26	32	58	43	91	39
3d year.....	4	6	10	14	49	9
4th year.....	4	3	7	7	47	5
5th year.....	2	2	4	5	20	1
6th year.....	0	0	0	10	15	0
Female Only						
2d year.....	8	6	14	14	22	4
3d year.....	1	3	4	8	12	0
4th year.....	0	1	1	1	4	0
5th year.....	0	0	0	2	2	0
6th year.....	0	0	0	1	1	0

TABLE CC-3
GROUP LONG-TERM DISABILITY INSURANCE
RATIOS OF ACTUAL CLAIMS TERMINATED BY DEATH OR
RECOVERY TO NUMBER OF TERMINATIONS EXPECTED FROM
1964 COMMISSIONERS DISABILITY TABLE*
(Twelve-Month Elimination Period; Calendar Years of Experience 1975-79)

DURATION OF DISABILITY	ALL AGES OF DISABILITY COMBINED	AGE AT DISABILITY					
		Under 30	30-39	Under 40	40-49	50-59	60-64
Male and Female Combined							
2d year	65.9%	106.9%	79.4%	90.6%	60.2%	54.1%	87.1%
3d year	53.3	51.9†	48.3†	49.9	49.9	56.7	46.3†
4th year	60.6	66.2†	40.8†	51.3	32.7†	74.7	53.2†
5th year	51.4	69.7†	36.6†	50.0†	45.1†	55.3	29.5†
6th year	59.0	0.0†	0.0†	0.0†	100.4	54.3	0.0†
Male Only							
2d year	67.1%	105.8%	84.6%	93.2%	60.8%	54.6%	88.0%
3d year	50.6	42.3†	40.6†	41.6	41.1	56.2	51.7†
4th year	68.1	80.9†	35.8†	53.2†	35.7†	85.3	58.0†
5th year	55.2	84.8†	44.0†	61.3†	40.8†	60.8	31.3†
6th year	69.7	0.0†	0.0†	0.0†	118.6	64.6	0.0†
Female Only							
2d year	60.6%	116.2%†	59.4%†	81.7%	57.9%	51.9%	79.2%†
3d year	64.6	87.1†	81.8†	85.4†	76.2†	58.7	0.0†
4th year	28.7†	0.0†	68.6†	39.8†	23.5†	31.1†	0.0†
5th year	35.5†	0.0†	0.0†	0.0†	59.8†	32.0†	0.0†
6th year	20.1†	0.0†	0.0†	0.0†	41.5†	16.0†	0.0†

* As published by the Health Insurance Association of America, Table B1, Vol. III.

† Involves fewer than ten terminations.

TABLE CC-4
 GROUP LONG-TERM DISABILITY INSURANCE
 ILLUSTRATIVE VALUES OF A MONTHLY BENEFIT OF \$1
 PAYABLE FOR VARIOUS BENEFIT PERIODS,
 DISCOUNTED AT 3 PERCENT INTEREST
 (Twelve-Month Elimination Period;
 Males and Females Combined)

AGE AT DISABLEMENT	VALUE AS OF END OF ELIMINATION PERIOD		
	Based on Table CC-1 Rates of Termination*	Based on 1964 CDT	Ratio to 1964 CDT
	Benefit Payable for a Maximum of 60 Months but Not beyond Age 65 with First Payment Due at End of Elimination Period		
25.5	\$32.89	\$30.28	109%
35.5	39.51	33.03	120
45.5	43.87	36.02	122
55.5	45.25	39.53	114
62.5	16.12	15.77	102
	Benefit Payable to Age 65 with First Payment Due at End of Elimination Period		
25.5	\$72.79	\$63.86	114%
35.5	93.58	73.54	127
45.5	94.33	73.57	128
55.5	64.62	55.60	116
62.5	16.12	15.77	102

* Annuity values are based on the crude, ungraduated, combined male and female termination rates from Table CC-1 for the first four years and on the 1964 Commissioners Disability Table rates thereafter.

TABLE CC-5
GROUP LONG-TERM DISABILITY INSURANCE
ILLUSTRATIVE VALUES, UNDER PLANS WITH A
TWELVE-MONTH ELIMINATION PERIOD, OF A MONTHLY
BENEFIT OF \$1, DISCOUNTED AT 3 PERCENT INTEREST,
PAYABLE TO AGE 65, WITH FIRST PAYMENT DUE
AT END OF ELIMINATION PERIOD

AGE AT DISABLEMENT	VALUE AS OF END OF ELIMINATION PERIOD		
	Based on Table CC-1 Rates of Termination*	Based on 1964 CDT	Ratio to 1964 CDT
Male Only			
25.5	\$72.90	\$63.86	114%
35.5	93.77	73.54	128
45.5	95.08	73.57	129
55.5	64.12	55.60	115
62.5	16.11	15.77	102
Female Only			
25.5	\$71.28	\$63.86	112%
35.5	90.73	73.54	123
45.5	92.07	73.57	125
55.5	66.67	55.60	120
62.5	16.22	15.77	103

* Annuity values are based on the crude, ungraduated, male or female termination rates from Table CC-1 for the first four years and on the 1964 Commissioners Disability Table rates thereafter.

TABLE CCC
 GROUP LONG-TERM DISABILITY INSURANCE
 ILLUSTRATIVE VALUES OF A MONTHLY BENEFIT OF \$1
 PAYABLE TO AGE 65, DISCOUNTED AT 3 PERCENT INTEREST
 (Twelve-Month Elimination Period; Males and Females Combined)

BASIS OF ANNUITY VALUES	AGE AT DISABLEMENT				
	25.5	35.5	45.5	55.5	62.5
	Annuity Value as of End of Elimination Period				
1964 CDT.....	\$63.86	\$73.54	\$73.57	\$55.60	\$15.77
1962-69*.....	\$71.21	\$69.91	\$78.77	\$63.02	\$16.29
Ratio to 1964 CDT...	112%	195%	107%	113%	103%
1970-74*.....	\$70.46	\$85.87	\$77.61	\$61.01	\$15.95
Ratio to 1964 CDT...	110%	117%	105%	110%	101%
1975-79*.....	\$72.79	\$93.58	\$94.33	\$64.62	\$16.12
Ratio to 1964 CDT...	114%	127%	128%	116%	102%
1962-79*.....	\$72.87	\$90.01	\$86.71	\$63.08	\$16.07
Ratio to 1964 CDT...	114%	122%	118%	113%	102%

* Annuity values are based on the crude, ungraduated, combined male and female termination rates for the respective restricted observation periods for the first four years and on the 1964 Commissioners Disability Table rates thereafter.

