

**TRANSACTIONS OF SOCIETY OF ACTUARIES
1991-92 REPORTS**

**VARIATION BY DURATION IN SMALL GROUP
MEDICAL INSURANCE CLAIMS**

STEPHEN D. BRINK, JAMES C. MODAFF, AND STEVEN J. SHERMAN

I. OVERVIEW

The purpose of this research report is to measure the variation in small group medical insurance claim costs by duration from issue. For purposes of this study, a small group is defined as a group with 1 to 25 employees. This report also examines the durational variation by underwriting approach, size of group and preexisting-condition limitation.

This study was based on more than \$1.2 billion of small group medical claims incurred during 1988 and 1989. Data were provided by seven insurance carriers active in the small group market, who generously contributed to this study. All claims were adjusted to remove any company differences due to benefits, geographic area, time period, and demographics.

The results indicate that small group medical claim costs vary significantly by duration from issue as a result of underwriting and preexisting-condition limitations. In general, claim costs are relatively low in the first year of issue and rise rapidly during the next three to five years, after which the effect tends to wear off. Significant variation also occurs by group size.

In addition to measurement of the variation by duration, the data allowed a comparison of adjusted claim costs by underwriting approach, group size, and preexisting-condition limitation. While the difference between long-form and short-form underwriting was inconclusive, guarantee-issue claim costs were significantly higher than those for underwritten business. By size, claim costs tended to exhibit a U-shaped pattern with the highest claim costs experienced by the smallest and largest of groups. Groups without a preexisting-condition limitation experienced much higher claim costs at the later durations.

The remainder of this report summarizes the study methodology and results in greater detail. A disk containing the results of this study is available.

II. METHODOLOGY

A. Participating Companies

Twenty-two major insurance companies active in the small group market were initially contacted by telephone to determine their interest in contributing data for this research project. Of these, 17 companies indicated an

interest and were sent a copy of the written data request summarizing the form and extent of the desired information. Seven companies ultimately contributed to this study:

- Boston Mutual Life Insurance Company
- Celtic Life Insurance Company
- Continental American Life Insurance Company
- Employers Health Insurance Company
- John Alden Life Insurance Company
- The New England
- Time Insurance Company.

The data for Boston Mutual Life Insurance Company, Continental American Life Insurance Company and The New England were provided by Dun & Bradstreet Plan Services.

A significant effort on each company's part was required to develop the detailed reports that formed the basis for this study. Without their assistance and timely cooperation, this study would not be possible.

Combined, the data submitted included more than \$1,250,000,000 of claims incurred during 1988 and 1989 and nearly 12,200,000 employee exposure months. All data submitted by the companies were included in the study and were combined for purposes of analysis.

B. Data Collection Guidelines

A study period of calendar years 1988 and 1989 was selected since payments for claims incurred in these years would be nearly complete as of early 1991, the commencement of this study. The data were separated by month for the first three years and by year through the sixth year, with data for years seven and later combined.

Incurred claims and exposure data were separated by underwriting approach, group size and preexisting-condition limitation. Underwriting approaches included long-form, short-form, and guarantee issue. The five group size categories used were 1 employee, 2-4 employees, 5-9 employees, 10-14 employees, and 15-25 employees. The four defined preexisting-condition limitation provisions were: none, 3 months, 6 months, and 12 months of insurance coverage.

Separate reports were produced by each company, summarizing earned premium, incurred claims, claim adjustments and exposure, for each combination of underwriting approach, group size and preexisting-condition limitation. The format is shown in Table 1. While the combination of these

variables produces a potential of 60 study cells, only 20 cells were available, since little business was written by contributing companies in many of these cells.

TABLE 1
INPUT DATA REPORT FORMAT

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Duration	Exposure Period	Premium	Incurred Claims	Benefit Adjustment	Area Adjustment	Trend Adjustment	Demographic Adjustment	Adjusted Incurred Claims	Exposure	Adjusted Incurred Claims per Exposure
1 mo	1988									
2 mo	1988									
.										
.										
36 mo	1988									
4 yr	1988									
5 yr	1988									
6 yr	1988									
7+ yr	1988									
1 mo	1989									
2 mo	1989									
.										
.										
36 mo	1989									
4 yr	1989									
5 yr	1989									
6 yr	1989									
7+ yr	1989									

Several guidelines were followed in compiling the study data. These guidelines include:

1. Only groups of 1 to 25 employees were included in the study. Group size was determined as the average number of covered employees in the group during each experience period.
2. Only major medical plans with deductibles of \$500 or less were included. Plans such as hospital only, accident only, cancer, disability, and dental were excluded. However, maternity, supplemental accident and other related optional medical benefits were included when part of a major medical plan.
3. Incurred claims represent services rendered during the study period. Dependent, as well as employee, claims were included. The incurred claim data were prior to any reinsurance, with no adjustments made to reflect any reinsurance coverage.

4. Date of issue was defined as the most recent date when a group was subject to medical underwriting. Thus, if a group was subject to medical underwriting or a new pre-existing-condition limitation after the original date of issue, the later date was used as the date of issue.
5. Duration was measured as the number of months or years elapsed from the date of issue to the experience period. For example, a group with a January 1, 1988 date of issue is defined as being in its second duration month during February 1988. A group with a June 1, 1985 date of issue would be in its fourth duration year from June 1, 1988 through May 31, 1989.
6. Exposure was measured as the number of months an employee was eligible for benefits during the study period. An exposure unit was counted as either one single employee or one employee with dependent coverage.
7. Short-form underwriting included applications with less than five general health questions, while long-form underwriting included applications with more detailed questions. Evaluation of the underwriting questions, how companies use the underwriting information, and how a company's underwriting practices changed over time was outside the scope of our study.
8. Because a wide variety of preexisting-condition limitations are in common use, these limitations were grouped by the number of months of continuous insurance coverage required prior to coverage of preexisting conditions. Therefore, a 3-6-12 preexisting condition clause (3 months without treatment, 6 months of active work, or 12 months of insurance coverage) was defined as a 12-month clause in the study.

C. Data Adjustments

Incurred claims for each study cell were adjusted by the contributing carriers to remove the effect of differences due to benefit plan, geographic area, time period, and the demographic characteristics of covered employees. The factors used to normalize the data were developed from information contained in the Milliman & Robertson, Inc. Health Cost Guidelines.

- Benefit adjustment factors were developed for 52 broad deductible, coinsurance and out-of-pocket limit combinations. For plans that did not exactly match the combinations provided, the benefit factor for the plans closest to the actual policy benefit was used.
- Area adjustment factors were based on the first three digits of the zip code corresponding to the location of the employer.
- Trend adjustment factors assumed an annual rate of 13 percent. Trend was calculated from the midpoint of the experience period to July 1, 1989 in order to properly weight the data within the study period. A small change in the assumed trend factor does not have a significant effect on the study results.

- Demographic adjustment factors were developed based on the age, sex, and family status of covered employees. Separate factors were provided for policies that cover maternity and those that exclude maternity.

Aggregate incurred claims for each data cell were divided by the product of the adjustment factor for benefits, geographic area, trend, and demographics to develop adjusted incurred claims. General reasonableness checks were performed based on aggregate premium, incurred claims, and exposure along with the adjustment factors submitted by each company to ensure that data collection procedures were followed and adjustment factors were applied appropriately.

Adjusted monthly claim costs were then calculated for each duration by dividing the adjusted incurred claims by the monthly exposure for each data cell. Durational slopes were then calculated by dividing the adjusted monthly claim cost at each duration by the average second-year claim cost for each study cell.

D. Data Credibility and Limitations

When interpreting the results shown in this report, the reader should consider the volume of data available in any one data cell and the mix of carrier data included in the study.

Most of the data reflect short-form underwriting, although a considerable amount of long-form data were included. Relatively little data were available on either a guarantee-issue basis and/or with no preexisting-condition limitation. All the guarantee-issue business was written with a 12-month preexisting-condition limitation. All the no preexisting-condition limitation business was written with short-form underwriting. No business was written with a 3-month or 6-month preexisting-condition limitation. By size, most of the exposure was for 2–9 employee groups. In all instances, the volume of data tends to decrease significantly at the later durations because of the relatively high lapse rates associated with small group coverage.

Not all companies contributed data in equal volume by underwriting form, size and preexisting-condition limitation. The long-form underwriting data were submitted by a few companies, as were the guarantee-issue and no preexisting-condition limitation data. In addition, while claim costs have been adjusted for benefits, geographical area, time period, and demographics, many other factors can influence actual claim costs by company, making comparisons difficult.

There is a significant amount of employee turnover for small group employers. New entrants are generally subject to the underwriting approach applicable to the group at the time the new employee is to be added. Therefore, results shown in this report include the impact of some newly underwritten employees at each duration.

Finally, while we have reviewed the data submitted by the contributing companies for reasonableness, we have not verified or audited this information. Thus, we have relied on the data as submitted.

E. Exposure

As shown in the following tables, the exposure varied significantly by underwriting approach, group size, and preexisting-condition limitation. Exposure also varied by duration.

1. Underwriting Approach (Table 2)

Approximately 70 percent of the total study exposure is based on short-form underwriting. Long-form underwritten business represents another 23 percent of the total exposure, while guarantee issue represents 7 percent of total exposure.

This exposure excludes 492,000 exposure units for groups with no preexisting-condition limitation, since these groups were also excluded when determining the results by underwriting approach, as shown Section III of this report. Overall study exposure was 12,194,000 employee months.

TABLE 2
EXPOSURE BY UNDERWRITING APPROACH
(000's)

Duration Year	Underwriting			Total
	Long Form	Short Form	Guarantee Issue	
1	1,162	4,624	129	5,915
2	703	1,932	104	2,739
3	360	916	52	1,328
4	232	512	44	788
5	154	258	34	446
6	92	111	19	222
7+	119	138	7	264
Total	2,822	8,491	389	11,702

2. Group Size (Table 3)

Exposure by group size is concentrated in the 2-4 and 5-9 life categories. These categories account for roughly 36 percent and 30 percent of total exposure, respectively.

The exposure shown in Table 3 excludes 389,000 and 492,000 exposure units for groups with guarantee-issue underwriting and no preexisting-condition limitation, respectively, to be consistent with the tabulation of results shown by group size in Section III of this report.

TABLE 3
EXPOSURE BY GROUP SIZE
(000's)

Duration Year	Group Size					Total
	1	2-4	5-9	10-14	15-25	
1	403	1,901	1,738	1,004	740	5,786
2	253	1,004	828	343	207	2,635
3	144	543	378	126	85	1,276
4	78	336	205	68	56	743
5	41	189	112	39	32	413
6	19	92	58	19	15	203
7+	20	108	71	32	26	257
Total	958	4,173	3,390	1,631	1,161	11,313

3. Preexisting-Condition Limitation (Table 4)

More than 92 percent of the exposure is for groups with a 12-month preexisting-condition limitation. Little exposure was available for business with no preexisting-condition limitation, especially at the later durations. Also, none of the companies submitted data for business with a three-month or six-month preexisting-condition limitation.

This exposure excludes 389,000 exposure units for groups with guarantee-issue underwriting, to be consistent with the exposure underlying the results shown by preexisting condition limitation in Section III of this report.

III. RESULTS

A. Variation by Duration

The results of the study indicate that small group medical claim costs vary significantly by duration since issue as a result of underwriting and pre-existing-condition limitations. These results also vary by size of group. The

TABLE 4
EXPOSURE BY PREEXISTING-CONDITION LIMITATION
(000's)

Duration Year	Preexisting-Condition Limitation		Total
	None	12 Months	
1	282	5,786	6,068
2	115	2,635	2,750
3	49	1,276	1,325
4	23	744	767
5	16	412	428
6	6	203	209
7+	1	257	258
Total	492	11,313	11,805

durational slope in the first year generally appears to be quite steep in relation to subsequent periods. For example, Table 5 shows the durational slope in the first year for all group sizes combined with a 12-month preexisting-condition limitation and short-form underwriting. Other study cells produce different results.

TABLE 5
SHORT-FORM UNDERWRITING
DURATIONAL SLOPE

Duration	Durational Slope
Month 1	0.38
Month 2	0.56
Month 3	0.64
Month 4	0.69
Month 5	0.72
Month 6	0.78
Month 7	0.78
Month 8	0.82
Month 9	0.85
Month 10	0.83
Month 11	0.90
Month 12	0.91
Year 2	1.00
Year 3	1.13
Year 4	1.12
Year 5	1.24
Year 6	1.27
Years 7+	1.22

The following sections summarize the observed variation by duration by year. Monthly durational data for the first three years are also shown in the Appendix. Tables A1, A2, and A3 summarize the detailed durational slope, adjusted monthly claim cost and monthly exposure data, respectively, while Table A4 contains the detailed data for each study cell.

1. Underwriting Approach

For purposes of comparison, contracts with no preexisting-condition limitations were excluded when measuring the effects of underwriting. Thus, these results all reflect a 12-month preexisting-condition limitation. Annual durational patterns by underwriting approach are summarized in Table 6.

TABLE 6
DURATIONAL SLOPE BY UNDERWRITING APPROACH

Duration Year	Underwriting		Guarantee Issue
	Long Form	Short Form	
1	0.68	0.71	0.57
2	1.00	1.00	1.00
3	1.22	1.13	0.98
4	1.17	1.12	0.88
5	1.24	1.24	0.93
6	1.21	1.27	0.92
7+	1.23	1.22	0.71

The durational slopes for short-form and long-form underwriting are fairly similar, after allowing for data fluctuations. The slope increases fairly rapidly in the first three to five durations, followed by a relatively flat slope at later durations. First-year claim costs are roughly 30 percent less than second-year costs.

The guarantee-issue slope is relatively flat after the first year, as might be expected. The lower first-year slope is probably due to the 12-month preexisting-condition limitation.

2. Group Size (Table 7)

The annual duration slopes by group size include experience for long-form and short-form underwriting and 12 months preexisting-condition limitation. Experience for guarantee-issue policies and policies with no preexisting-condition limitation are not included.

TABLE 7
DURATIONAL SLOPE BY GROUP SIZE

Duration Year	Group Size				
	1	2-4	5-9	10-14	15-25
1	0.65	0.65	0.69	0.71	0.81
2	1.00	1.00	1.00	1.00	1.00
3	1.10	1.17	1.10	1.25	1.25
4	1.02	1.11	1.15	1.18	1.43
5	1.29	1.26	1.30	1.34	1.07
6	1.30	1.27	1.34	1.17	1.37
7+	1.32	1.28	1.24	1.27	1.40

The variation by duration for medical claim costs generally follows the same pattern for all group sizes. The slope increases fairly rapidly in the first three to five years and remains relatively flat thereafter. However, the smaller groups tend to exhibit a somewhat steeper slope at the early durations and a flatter slope at the later durations than the larger groups. This effect may be due to the tighter underwriting rules typically used with smaller groups.

3. Preexisting-Condition Limitation (Table 8)

Limited information was available to measure duration patterns by pre-existing-condition limitation. No data were available for three- and six-month clauses, and a relatively small amount of data was available for the no preexisting-condition provision. The data submitted for the no preexisting-condition limitation include short-form underwriting and primarily groups of 1-9 employees. Experience for guarantee-issue policies is not included in this analysis.

TABLE 8
DURATIONAL SLOPE BY PREEXISTING-
CONDITION LIMITATION

Duration Year	Preexisting-Condition Limitation	
	None	12 Months
1	0.64	0.69
2	1.00	1.00
3	1.32	1.16
4	1.11	1.15
5	1.44	1.27
6	1.50	1.29
7+	0.58	1.28

In general, the durational slope for contracts with no preexisting-condition limitation is steeper than that for contracts that include a 12-month preexisting-condition limitation.

B. Claim Cost Variation

In addition to measurement of the variation of small group medical claims by duration, the data allow for comparisons of adjusted claim costs by underwriting approach, group size, and preexisting-condition limitation. The claim costs per employee represent a composite cost of those employees with single coverage and those employees with dependent coverage. Medical claim costs require medical trend and experience adjustments when projecting for future periods.

The results of the study indicate that small group claim costs are significantly higher for guarantee-issue than for underwritten business. Also, claim costs tend to vary significantly by group size and preexisting-condition limitation.

1. Underwriting Approach (Table 9)

Short-form and long-form underwriting data were combined to compare claim cost differences between underwritten and guarantee-issue business. The study data show long-form underwriting claim costs to be higher than short-form claim costs. However, this comparison is inconclusive, since short-form and long-form underwriting data were primarily submitted by different companies. Therefore, the difference in claim cost may reflect company differences in target markets, administrative practices, and many other factors. As with the analysis of variation by duration, contracts with no preexisting-condition limitation have been excluded for purposes of comparing adjusted claim costs by underwriting approach.

As shown in Table 9, guarantee-issue claim costs are significantly higher than the underwritten claim costs for durations 1 through 3. Low exposure exists at the later durations, making comparisons difficult.

2. Group Size (Table 10)

Claim costs also varied significantly by group size. The experience for guarantee-issue policies and for policies with no preexisting-condition limitation are excluded from this analysis.

TABLE 9
MONTHLY ADJUSTED CLAIM COST
BY UNDERWRITING APPROACH

Duration Year	Underwriting	
	Long Form and Short Form	Guarantee Issue
1	\$ 83.39	\$102.57
2	120.39	180.68
3	139.69	176.93
4	137.95	159.15
5	152.71	167.70
6	155.36	166.47
7+	154.43	128.37

TABLE 10
MONTHLY ADJUSTED CLAIM COSTS BY GROUP SIZE

Duration Year	Group Size				
	1	2-4	5-9	10-14	15-25
1	\$ 87.64	\$ 78.87	\$ 79.06	\$ 86.74	\$ 98.27
2	135.22	121.26	113.95	121.80	121.51
3	149.11	142.10	125.78	151.89	152.03
4	138.36	134.87	131.13	143.57	173.80
5	173.89	152.96	147.72	163.00	129.35
6	175.71	153.50	153.22	141.96	166.02
7+	177.84	154.80	141.74	154.17	169.69

The monthly incurred claim costs exhibit a U-shaped pattern by group size. The claim costs for one-employee groups are relatively high, with 5-9 employee groups exhibiting the lowest costs. Claim costs then climb for 10-14 and 15-25 employee groups. This effect may be due to more restrictive marketing and underwriting practices as groups become smaller. Even with these practices, however, adverse selection appears to be increasing the claim costs for one-employee groups.

3. Preexisting-Condition Limitation (Table 11)

The claim costs by preexisting-condition limitation are summarized in Table 11. Guarantee-issue business was excluded from this analysis.

TABLE 11
MONTHLY ADJUSTED CLAIM COST
BY PREEXISTING-CONDITION LIMITATION

Duration	Preexisting-Condition Limitation	
	None	12 Months
1	\$ 81.71	\$ 83.39
2	127.23	120.39
3	167.76	139.69
4	141.15	137.95
5	183.46	152.71
6	190.26	155.36
7+	73.23	154.43

In general, the claim costs during the first two durations appear to be fairly consistent between the two preexisting-condition limitations. However, the no preexisting-condition limitation claim costs are significantly higher at the later durations.

APPENDIX

TABLE A1
DURATIONAL SLOPE

Duration	Group Size					
	1	2-4	5-9	10-14	15-25	All
Long-Form Summary						
1 mo	0.225	0.302	0.383	0.340	0.991	0.353
2 mo	0.438	0.470	0.437	0.497	0.542	0.460
3 mo	0.584	0.570	0.697	0.702	0.730	0.625
4 mo	0.510	0.694	0.629	0.613	0.816	0.659
5 mo	0.429	0.604	0.760	0.587	0.783	0.648
6 mo	0.454	0.674	0.683	0.523	1.011	0.663
7 mo	0.434	0.727	0.914	0.577	0.979	0.764
8 mo	0.560	0.767	0.749	0.792	0.775	0.751
9 mo	0.532	0.826	0.932	0.597	0.651	0.808
10 mo	0.599	0.761	1.032	0.864	0.846	0.847
11 mo	0.655	0.792	0.885	0.833	0.701	0.810
12 mo	0.610	0.741	0.859	0.888	0.912	0.791
13 mo	0.812	0.894	0.961	0.803	0.918	0.899
14 mo	1.016	0.887	1.104	1.070	0.732	0.972
15 mo	0.834	0.914	0.950	1.020	1.302	0.948
16 mo	0.970	0.878	0.956	0.969	1.697	0.956
17 mo	0.648	1.069	0.935	0.685	0.955	0.951
18 mo	0.792	1.049	0.967	0.826	1.016	0.979
19 mo	1.375	1.108	1.010	1.026	0.657	1.070
20 mo	1.026	1.055	0.965	1.579	0.869	1.073
21 mo	1.101	1.034	1.063	1.425	0.817	1.081
22 mo	0.944	1.038	1.046	0.860	0.810	1.007
23 mo	1.213	1.125	1.093	1.059	0.909	1.107
24 mo	1.552	1.157	0.995	0.855	1.179	1.107
25 mo	1.264	1.322	1.173	1.499	0.592	1.263
26 mo	0.869	1.244	1.023	1.322	0.789	1.138
27 mo	1.242	1.300	1.354	1.036	1.119	1.290
28 mo	1.207	1.143	1.132	1.575	3.371	1.238
29 mo	1.075	1.243	1.152	1.020	1.521	1.195
30 mo	1.081	1.343	1.352	1.041	0.722	1.294
31 mo	1.033	1.296	1.095	1.097	1.188	1.198
32 mo	1.307	1.005	0.891	1.232	1.139	1.013
33 mo	1.233	1.081	0.945	0.812	2.557	1.063
34 mo	1.468	1.630	1.047	1.348	1.316	1.405
35 mo	1.280	1.324	1.092	0.654	1.073	1.200
36 mo	1.610	1.294	1.347	1.353	0.809	1.328
1 yr	0.511	0.651	0.737	0.653	0.814	0.675
2 yr	1.000	1.000	1.000	1.000	1.000	1.000
3 yr	1.201	1.267	1.137	1.200	1.288	1.218
4 yr	1.162	1.084	1.270	1.154	1.449	1.165
5 yr	1.580	1.076	1.365	1.451	1.210	1.238
6 yr	1.150	1.183	1.257	0.898	1.253	1.207
7+ yr	1.740	1.219	1.192	1.462	1.018	1.232

TABLE A1—Continued

Duration	Group Size					
	1	2-4	5-9	10-14	15-25	All
Short-Form Summary						
1 mo	0.347	0.314	0.379	0.399	0.454	0.377
2 mo	0.573	0.474	0.534	0.572	0.704	0.559
3 mo	0.524	0.582	0.612	0.649	0.825	0.643
4 mo	0.714	0.570	0.686	0.732	0.824	0.692
5 mo	0.635	0.688	0.685	0.700	0.848	0.715
6 mo	0.738	0.704	0.845	0.776	0.798	0.779
7 mo	0.813	0.676	0.777	0.819	0.868	0.778
8 mo	0.682	0.748	0.794	0.935	0.911	0.820
9 mo	0.876	0.757	0.793	0.930	0.996	0.851
10 mo	0.751	0.840	0.732	0.886	0.973	0.832
11 mo	0.905	0.905	0.838	0.943	0.943	0.902
12 mo	0.913	0.930	0.879	0.909	0.942	0.914
13 mo	0.962	0.938	0.959	0.916	0.932	0.944
14 mo	1.026	0.915	0.947	0.937	0.976	0.948
15 mo	1.002	1.075	1.017	0.942	1.101	1.032
16 mo	0.924	1.016	1.072	1.114	0.909	1.026
17 mo	1.007	0.935	0.952	1.006	1.066	0.971
18 mo	0.949	0.984	0.959	1.114	0.903	0.983
19 mo	1.017	1.107	1.043	1.045	0.853	1.046
20 mo	1.139	0.958	0.992	0.927	0.953	0.988
21 mo	0.995	1.048	0.989	0.781	1.040	0.989
22 mo	0.932	1.092	1.057	1.159	1.201	1.074
23 mo	0.950	0.979	0.907	1.193	1.033	0.982
24 mo	1.129	1.009	1.184	1.063	1.274	1.102
25 mo	0.980	1.008	1.048	1.456	1.171	1.078
26 mo	1.159	1.145	0.999	1.011	1.323	1.106
27 mo	1.444	1.089	1.038	1.412	1.238	1.176
28 mo	1.147	1.198	1.032	1.089	1.156	1.131
29 mo	0.929	1.173	1.038	1.302	1.116	1.111
30 mo	1.015	1.191	1.031	0.937	1.159	1.094
31 mo	0.926	1.105	1.195	1.353	1.691	1.181
32 mo	1.498	1.043	1.177	1.310	1.360	1.206
33 mo	0.950	1.201	1.200	1.631	1.433	1.232
34 mo	1.023	1.136	1.097	1.383	1.041	1.130
35 mo	0.924	1.002	0.994	1.126	1.029	1.007
36 mo	0.902	1.056	0.990	1.149	1.302	1.057
1 yr	0.689	0.656	0.690	0.734	0.813	0.712
2 yr	1.000	1.000	1.000	1.000	1.000	1.000
3 yr	1.085	1.113	1.065	1.262	1.251	1.126
4 yr	0.985	1.112	1.011	1.192	1.436	1.117
5 yr	1.083	1.366	1.142	1.309	1.040	1.239
6 yr	1.213	1.221	1.318	1.255	1.388	1.271
7+ yr	1.180	1.163	1.086	1.184	1.432	1.224

TABLE A1—Continued

Duration	Group Size					
	1	2-4	5-9	10-14	15-25	All
Short-Form and Long-Form Summary						
1 mo	0.322	0.305	0.373	0.386	0.480	0.363
2 mo	0.539	0.467	0.503	0.554	0.690	0.527
3 mo	0.516	0.573	0.624	0.642	0.813	0.627
4 mo	0.669	0.610	0.663	0.705	0.819	0.673
5 mo	0.591	0.654	0.696	0.674	0.838	0.688
6 mo	0.681	0.689	0.794	0.731	0.811	0.741
7 mo	0.741	0.692	0.805	0.774	0.873	0.764
8 mo	0.652	0.753	0.774	0.902	0.894	0.793
9 mo	0.807	0.780	0.825	0.867	0.958	0.831
10 mo	0.716	0.809	0.810	0.873	0.955	0.828
11 mo	0.852	0.861	0.846	0.915	0.913	0.870
12 mo	0.850	0.858	0.868	0.898	0.935	0.874
13 mo	0.928	0.922	0.955	0.888	0.928	0.926
14 mo	1.020	0.906	0.993	0.963	0.937	0.953
15 mo	0.967	1.015	0.994	0.957	1.133	1.005
16 mo	0.937	0.964	1.034	1.078	1.044	1.004
17 mo	0.933	0.989	0.947	0.925	1.046	0.966
18 mo	0.919	1.009	0.963	1.040	0.926	0.983
19 mo	1.098	1.107	1.033	1.042	0.816	1.055
20 mo	1.118	0.995	0.985	1.115	0.938	1.018
21 mo	1.014	1.041	1.015	0.968	0.997	1.020
22 mo	0.933	1.068	1.056	1.077	1.125	1.054
23 mo	1.001	1.030	0.975	1.161	1.010	1.025
24 mo	1.212	1.060	1.123	1.008	1.257	1.106
25 mo	1.034	1.120	1.099	1.475	1.070	1.140
26 mo	1.099	1.180	1.015	1.108	1.236	1.120
27 mo	1.401	1.164	1.159	1.315	1.218	1.215
28 mo	1.156	1.176	1.078	1.218	1.430	1.169
29 mo	0.958	1.199	1.093	1.232	1.163	1.143
30 mo	1.023	1.250	1.168	0.965	1.107	1.164
31 mo	0.941	1.178	1.169	1.288	1.632	1.191
32 mo	1.455	1.030	1.077	1.291	1.331	1.147
33 mo	0.997	1.156	1.112	1.431	1.535	1.181
34 mo	1.100	1.328	1.092	1.370	1.064	1.225
35 mo	0.981	1.131	1.050	1.018	1.029	1.076
36 mo	1.021	1.158	1.156	1.191	1.249	1.155
1 yr	0.648	0.650	0.694	0.712	0.809	0.693
2 yr	1.000	1.000	1.000	1.000	1.000	1.000
3 yr	1.103	1.172	1.104	1.247	1.251	1.160
4 yr	1.023	1.112	1.151	1.179	1.430	1.146
5 yr	1.286	1.261	1.296	1.338	1.065	1.268
6 yr	1.299	1.266	1.345	1.165	1.366	1.290
7+ yr	1.315	1.277	1.244	1.266	1.396	1.283

TABLE A1—Continued

Duration	Group Size					
	1	2-4	5-9	10-14	15-25	All
Guarantee-Issue Summary						
1 mo	0.026	0.290	0.371	0.284	0.583	0.367
2 mo	0.424	0.878	0.351	0.322	0.447	0.379
3 mo	8.177	0.865	0.419	0.389	0.372	0.429
4 mo	3.005	0.675	0.380	0.455	0.280	0.408
5 mo	0.574	0.666	0.394	1.146	0.816	0.707
6 mo	0.459	1.898	0.430	0.843	1.160	0.722
7 mo	1.082	1.058	0.397	0.642	0.362	0.500
8 mo	0.746	0.369	0.476	0.500	0.651	0.507
9 mo	1.845	0.462	0.660	0.708	0.535	0.661
10 mo	2.430	0.847	0.581	0.867	0.939	0.751
11 mo	0.812	1.127	0.597	0.535	0.665	0.618
12 mo	0.795	0.804	0.511	0.678	0.711	0.614
13 mo	0.509	1.397	0.911	0.837	0.528	0.842
14 mo	0.820	1.194	0.767	0.964	0.634	0.823
15 mo	1.388	0.904	0.715	1.032	1.842	1.052
16 mo	0.232	0.972	0.875	0.955	0.965	0.915
17 mo	0.314	1.973	0.909	0.903	1.005	0.985
18 mo	0.872	1.026	0.987	0.952	0.655	0.907
19 mo	1.177	0.426	0.779	1.266	0.707	0.886
20 mo	2.567	0.932	0.814	1.182	2.374	1.251
21 mo	0.859	0.717	0.912	0.752	1.363	0.941
22 mo	0.218	1.116	1.270	0.917	0.410	0.992
23 mo	0.847	0.687	2.168	1.531	0.752	1.620
24 mo	2.094	0.525	1.416	0.950	0.622	1.101
25 mo	0.965	2.480	0.696	0.660	0.384	0.825
26 mo	2.059	1.028	0.718	0.677	0.640	0.765
27 mo	0.853	1.208	0.631	0.918	1.151	0.848
28 mo	0.256	1.066	0.694	0.992	1.278	0.888
29 mo	0.514	0.757	1.046	0.437	0.518	0.804
30 mo	0.452	3.577	1.174	0.835	0.721	1.319
31 mo	0.349	3.232	1.244	1.212	0.985	1.466
32 mo	0.314	3.299	0.862	1.245	0.979	1.295
33 mo	1.530	5.681	0.500	0.829	0.411	1.362
34 mo	0.715	0.770	0.582	0.983	0.552	0.719
35 mo	0.533	0.823	0.446	0.736	0.923	0.612
36 mo	8.663	0.601	0.623	0.669	0.687	0.996
1 yr	1.264	0.841	0.470	0.632	0.649	0.568
2 yr	1.000	1.000	1.000	1.000	1.000	1.000
3 yr	1.614	2.015	0.768	0.841	0.775	0.979
4 yr	1.048	0.982	0.822	0.909	0.599	0.881
5 yr	1.120	1.333	0.870	0.715	0.808	0.928
6 yr	1.501	1.179	0.868	0.741	0.816	0.921
7+ yr	1.169	0.814	0.654	0.600	0.719	0.711

TABLE A1—Continued

Duration	Group Size					
	1	2-4	5-9	10-14	15-25	All
No Preexisting-Condition Limitation Summary						
1 mo	0.289	0.273	0.258	0.155	0.475	0.265
2 mo	0.580	0.455	0.443	0.451	1.507	0.496
3 mo	0.443	0.474	0.509	0.375	1.566	0.477
4 mo	0.618	0.630	0.691	0.509	0.568	0.636
5 mo	0.520	0.625	0.644	0.453	5.698	0.638
6 mo	0.508	0.492	0.649	0.578	4.535	0.582
7 mo	0.697	0.541	0.788	0.809	1.936	0.678
8 mo	1.102	0.715	1.157	0.371	1.928	0.895
9 mo	0.902	0.717	0.976	0.367	0.983	0.794
10 mo	0.826	0.747	0.785	0.397	1.309	0.748
11 mo	0.786	0.799	1.134	0.329	0.429	0.831
12 mo	0.783	0.879	1.022	0.429	0.597	0.852
13 mo	1.093	0.731	0.807	0.386	1.768	0.814
14 mo	0.758	0.957	0.878	0.875	0.590	0.890
15 mo	0.856	1.377	0.982	0.350	0.571	1.109
16 mo	0.891	0.949	1.029	2.116	0.710	1.017
17 mo	1.073	0.981	0.886	2.506	0.873	1.068
18 mo	1.115	1.088	1.071	0.638	0.965	1.065
19 mo	0.988	1.010	1.117	0.921	0.833	1.019
20 mo	1.333	1.000	1.254	0.883	1.333	1.123
21 mo	1.208	0.781	0.999	0.554	0.823	0.905
22 mo	0.840	1.212	1.082	0.947	0.334	1.061
23 mo	0.854	1.117	0.489	0.740	0.456	0.885
24 mo	1.122	0.869	1.672	1.773	2.544	1.188
25 mo	1.302	1.132	1.950	0.739	1.487	1.308
26 mo	0.882	0.940	1.690	0.486	0.785	1.045
27 mo	1.396	1.125	0.697	0.560	0.165	1.033
28 mo	2.300	1.071	0.391	0.508	0.434	1.126
29 mo	0.846	1.554	0.842	0.490	0.729	1.143
30 mo	2.343	1.358	0.619	0.917	5.934	1.438
31 mo	3.351	0.896	0.936	1.329	6.501	1.552
32 mo	1.715	2.003	0.500	0.631	4.438	1.581
33 mo	1.453	1.142	0.857	0.812	4.527	1.192
34 mo	1.407	1.636	1.451	1.345	5.905	1.625
35 mo	1.416	2.556	1.050	0.507	5.913	1.893
36 mo	2.249	1.115	0.668	0.977	1.303	1.229
1 yr	0.649	0.602	0.727	0.430	1.802	0.642
2 yr	1.000	1.000	1.000	1.000	1.000	1.000
3 yr	1.677	1.330	1.007	0.760	3.109	1.319
4 yr	1.991	0.969	0.856	0.885	1.148	1.109
5 yr	1.316	1.011	0.857	8.743	0.820	1.442
6 yr	1.652	1.740	1.280	0.510	1.008	1.495
7+ yr	1.887	0.424	0.308	0.000	0.103	0.576

TABLE A2
ADJUSTED MONTHLY CLAIM COST

Duration	Group Size					
	1	2-4	5-9	10-14	15-25	All
Long-Form Summary						
1 mo	\$ 43.04	\$ 43.85	\$ 49.36	\$ 46.04	\$126.91	\$ 49.43
2 mo	83.91	68.17	56.37	67.31	69.40	64.56
3 mo	111.88	82.72	89.89	95.14	93.48	87.65
4 mo	97.71	100.72	81.11	83.04	104.49	92.46
5 mo	82.08	87.71	98.03	79.49	100.26	90.80
6 mo	86.87	97.75	88.05	70.86	129.55	93.02
7 mo	83.20	105.57	117.87	78.20	125.43	107.13
8 mo	107.27	111.38	96.56	107.28	99.24	105.23
9 mo	101.82	119.83	120.26	80.92	83.45	113.22
10 mo	114.69	110.51	133.07	117.08	108.36	118.80
11 mo	125.37	114.92	114.17	112.84	89.85	113.57
12 mo	116.89	107.54	110.73	120.35	116.83	110.91
13 mo	155.58	129.81	123.94	108.75	117.59	125.99
14 mo	194.56	128.74	142.41	144.93	93.84	136.25
15 mo	159.66	132.71	122.48	138.13	166.84	132.97
16 mo	185.79	127.40	123.24	131.21	217.36	134.05
17 mo	124.10	155.13	120.54	92.82	122.33	133.31
18 mo	151.71	152.21	124.74	111.82	130.19	137.27
19 mo	263.32	160.86	130.25	138.97	84.16	150.06
20 mo	196.45	153.06	124.47	213.94	111.32	150.46
21 mo	210.79	150.08	137.07	193.02	104.65	151.55
22 mo	180.73	150.57	134.93	116.54	103.83	141.23
23 mo	232.21	163.24	140.91	143.46	116.49	155.24
24 mo	297.22	167.91	128.30	115.77	151.02	155.23
25 mo	241.98	191.80	151.34	203.06	75.88	177.12
26 mo	166.40	180.59	131.94	179.06	101.12	159.59
27 mo	237.94	188.72	174.66	140.28	143.40	180.90
28 mo	231.21	165.85	145.95	213.29	431.85	173.54
29 mo	205.82	180.34	148.64	138.22	194.91	167.48
30 mo	206.99	194.85	174.39	141.05	92.45	181.41
31 mo	197.89	188.09	141.25	148.53	152.26	167.91
32 mo	250.31	145.86	114.91	166.86	145.91	142.02
33 mo	236.11	156.86	121.93	109.98	327.59	149.00
34 mo	281.10	236.52	134.98	182.59	168.59	196.95
35 mo	245.22	192.14	140.84	88.57	137.48	168.22
36 mo	308.28	187.82	173.73	183.23	103.62	186.18
1 yr	97.84	94.55	95.02	88.48	104.25	94.69
2 yr	191.51	145.13	128.97	135.46	128.11	140.20
3 yr	229.99	183.89	146.67	162.50	165.02	170.82
4 yr	222.51	157.27	163.78	156.37	185.63	163.40
5 yr	302.62	156.10	176.01	196.54	155.00	173.59
6 yr	220.33	171.64	162.07	121.61	160.54	169.24
7+ yr	333.31	176.98	153.69	198.07	130.43	172.77

TABLE A2—Continued

Duration	Group Size					
	1	2-4	5-9	10-14	15-25	All
Short-Form Summary						
1 mo	\$ 43.59	\$ 34.58	\$ 40.91	\$ 47.04	\$ 54.58	\$ 42.64
2 mo	72.02	52.24	57.59	67.47	84.61	63.27
3 mo	65.88	64.18	66.06	76.45	99.17	72.72
4 mo	89.70	62.84	74.01	86.23	99.10	78.34
5 mo	79.72	75.78	73.93	82.47	101.92	80.88
6 mo	92.70	77.59	91.20	91.50	95.98	88.19
7 mo	102.16	74.51	83.87	96.50	104.32	88.02
8 mo	85.72	82.45	85.64	110.21	109.55	92.85
9 mo	110.04	83.40	85.55	109.60	119.73	96.30
10 mo	94.30	92.62	78.95	104.47	116.94	94.18
11 mo	113.72	99.78	90.42	111.19	113.40	102.06
12 mo	114.64	102.47	94.85	107.17	113.17	103.50
13 mo	120.83	103.41	103.42	107.98	112.07	106.79
14 mo	128.86	100.82	102.18	110.41	117.27	107.25
15 mo	125.89	118.45	109.76	111.06	132.38	116.80
16 mo	116.11	111.97	115.70	131.29	109.24	116.08
17 mo	126.49	103.07	102.74	118.58	128.15	109.91
18 mo	119.26	108.48	103.47	131.31	108.59	111.25
19 mo	127.83	122.06	112.52	123.16	102.59	118.41
20 mo	143.05	105.65	107.03	109.30	114.58	111.78
21 mo	125.02	115.55	106.67	92.02	125.04	111.98
22 mo	117.09	120.35	114.09	136.56	144.38	121.51
23 mo	119.32	107.91	97.82	140.63	124.13	111.20
24 mo	141.80	111.17	127.77	125.31	153.10	124.69
25 mo	123.08	111.12	113.09	171.54	140.78	122.03
26 mo	145.66	126.26	107.77	119.18	159.06	125.23
27 mo	181.43	120.00	111.98	166.37	148.78	133.16
28 mo	144.05	132.08	111.32	128.32	138.96	128.01
29 mo	116.75	129.26	112.04	153.45	134.13	125.73
30 mo	127.54	131.34	111.21	110.46	139.36	123.88
31 mo	116.33	121.76	128.97	159.43	203.20	133.72
32 mo	188.25	114.93	127.01	154.41	163.47	136.45
33 mo	119.40	132.39	129.43	192.28	172.20	139.41
34 mo	128.48	125.27	118.38	163.04	125.15	127.89
35 mo	116.04	110.40	107.28	132.70	123.71	113.97
36 mo	113.35	116.43	106.78	135.47	156.48	119.63
1 yr	86.51	72.36	74.42	86.51	97.77	80.55
2 yr	125.64	110.23	107.90	117.86	120.20	113.18
3 yr	136.26	122.70	114.94	148.71	150.33	127.45
4 yr	123.79	122.52	109.07	140.53	172.60	126.42
5 yr	136.07	150.62	123.21	154.24	125.05	140.20
6 yr	152.44	134.58	142.21	147.91	166.84	143.82
7+ yr	148.21	128.20	117.15	139.60	172.09	138.55

TABLE A2--Continued

Duration	Group Size					
	1	2-4	5-9	10-14	15-25	All
Short-Form and Long-Form Summary						
1 mo	\$ 43.56	\$ 36.98	\$ 42.49	\$ 46.96	\$ 58.35	\$ 43.75
2 mo	72.91	56.61	57.35	67.46	83.78	63.50
3 mo	69.71	69.50	71.15	78.23	98.82	75.51
4 mo	90.45	73.93	75.58	85.91	99.46	81.07
5 mo	79.95	79.30	79.31	82.14	101.80	82.84
6 mo	92.11	83.60	90.49	89.10	98.53	89.17
7 mo	100.15	83.87	91.75	94.23	106.08	92.01
8 mo	88.11	91.29	88.23	109.83	108.66	95.50
9 mo	109.09	94.57	94.00	105.56	116.39	100.01
10 mo	95.76	98.09	92.28	106.34	116.08	99.69
11 mo	115.17	104.43	96.41	111.45	110.90	104.71
12 mo	114.93	104.05	98.96	109.35	113.60	105.26
13 mo	125.54	111.77	108.86	108.11	112.81	111.52
14 mo	137.98	109.86	113.13	117.25	113.80	114.71
15 mo	130.70	123.03	113.26	116.56	137.66	121.00
16 mo	126.68	116.92	117.81	131.27	126.86	120.84
17 mo	126.12	119.86	107.89	112.62	127.14	116.29
18 mo	124.21	122.37	109.70	126.69	112.48	118.35
19 mo	148.42	134.29	117.72	126.95	99.10	127.07
20 mo	151.11	120.64	112.24	135.85	113.95	122.51
21 mo	137.16	126.22	115.68	117.91	121.19	122.80
22 mo	126.11	129.54	120.37	131.20	136.70	126.91
23 mo	135.41	124.87	111.15	141.39	122.68	123.43
24 mo	163.85	128.48	127.94	122.80	152.74	133.14
25 mo	139.87	135.84	125.19	179.61	130.03	137.29
26 mo	148.58	143.13	115.61	135.02	150.23	134.88
27 mo	189.39	141.20	132.09	160.13	148.06	146.28
28 mo	156.38	142.60	122.79	148.39	173.79	140.69
29 mo	129.56	145.45	124.58	150.02	141.31	137.56
30 mo	138.40	151.57	133.06	117.50	134.55	140.17
31 mo	127.31	142.88	133.23	156.92	198.36	143.37
32 mo	196.71	124.87	122.72	157.20	161.67	138.04
33 mo	134.85	140.21	126.76	174.36	186.55	142.13
34 mo	148.73	161.05	124.40	166.90	129.24	147.51
35 mo	132.67	137.18	119.69	123.98	125.02	129.59
36 mo	138.09	140.47	131.70	145.13	151.78	139.06
1 yr	87.64	78.87	79.06	86.74	98.27	83.39
2 yr	135.22	121.26	113.95	121.80	121.51	120.39
3 yr	149.11	142.10	125.78	151.89	152.03	139.69
4 yr	138.36	134.87	131.13	143.57	173.80	137.95
5 yr	173.89	152.96	147.72	163.00	129.35	152.71
6 yr	175.71	153.50	153.22	141.96	166.02	155.36
7+ yr	177.84	154.80	141.74	154.17	169.69	154.43

TABLE A2—Continued

Duration	Group Size					
	1	2-4	5-9	10-14	15-25	All
Guarantee-Issue Summary						
1 mo	\$ 12.09	\$ 45.07	\$ 72.82	\$ 48.21	\$ 99.28	\$ 66.32
2 mo	198.01	136.28	69.02	54.53	76.13	68.41
3 mo	3,820.13	134.18	82.27	65.95	63.40	77.56
4 mo	1,404.05	104.76	74.58	77.16	47.76	73.64
5 mo	268.13	103.41	77.37	194.24	139.03	127.81
6 mo	214.64	294.57	84.54	142.86	197.61	130.52
7 mo	505.32	164.14	77.99	108.84	61.62	90.35
8 mo	348.55	57.25	93.57	84.77	110.87	91.64
9 mo	861.77	71.68	129.71	120.08	91.12	119.44
10 mo	1,135.39	131.44	114.18	146.89	159.98	135.72
11 mo	379.14	174.83	117.28	90.59	113.31	111.60
12 mo	371.42	124.80	100.46	114.86	121.10	111.00
13 mo	237.83	216.83	178.93	141.84	89.97	152.16
14 mo	382.85	185.31	150.60	163.42	107.95	148.76
15 mo	648.35	140.21	140.53	174.93	313.77	190.01
16 mo	108.49	150.91	171.91	161.84	164.34	165.30
17 mo	146.90	306.12	178.52	152.98	171.24	177.96
18 mo	407.48	159.14	193.90	161.28	111.59	163.80
19 mo	549.93	66.11	152.98	214.57	120.46	159.99
20 mo	1,199.32	144.68	159.86	200.28	404.35	225.96
21 mo	401.43	111.23	179.23	127.44	232.18	170.07
22 mo	102.07	173.16	249.47	155.43	69.76	179.23
23 mo	395.70	106.68	425.86	259.50	128.05	292.77
24 mo	978.09	81.50	278.19	161.00	105.97	198.88
25 mo	451.04	384.89	136.69	111.94	65.42	149.15
26 mo	961.86	159.48	141.06	114.80	108.94	138.22
27 mo	398.64	187.48	124.00	155.62	196.15	153.15
28 mo	119.59	165.44	136.35	168.14	217.74	160.37
29 mo	240.13	117.55	205.44	74.04	88.25	145.18
30 mo	210.99	555.01	230.62	141.48	122.86	238.31
31 mo	163.23	501.59	244.41	205.44	167.80	264.89
32 mo	146.91	512.00	169.45	211.00	166.76	233.99
33 mo	714.75	881.52	98.26	140.42	70.07	246.02
34 mo	333.90	119.42	114.35	166.62	94.03	129.82
35 mo	248.87	127.75	87.68	124.81	157.17	110.56
36 mo	4,047.10	93.28	122.47	113.33	116.98	179.90
1 yr	590.64	130.51	92.32	107.09	110.57	102.57
2 yr	467.17	155.18	196.47	169.48	170.35	180.68
3 yr	754.01	312.65	150.83	142.62	132.05	176.93
4 yr	489.49	152.34	161.40	154.00	102.07	159.15
5 yr	523.30	206.84	171.02	121.20	137.59	167.70
6 yr	701.10	182.97	170.58	125.53	139.06	166.47
7+ yr	546.31	126.32	128.47	101.66	122.52	128.37

TABLE A2—Continued

Duration	Group Size					
	1	2-4	5-9	10-14	15-25	All
No Preexisting-Condition Limitation Summary						
1 mo	\$ 48.52	\$ 34.53	\$ 27.03	\$ 21.47	\$ 37.56	\$ 33.72
2 mo	97.38	57.49	46.42	62.60	119.09	63.04
3 mo	74.43	59.81	53.34	52.14	123.82	60.72
4 mo	103.82	79.62	72.40	70.72	44.92	80.92
5 mo	87.23	78.90	67.44	62.91	450.40	81.13
6 mo	85.20	62.07	68.01	80.34	358.51	74.08
7 mo	117.08	68.34	82.50	112.34	153.07	86.22
8 mo	184.93	90.35	121.17	51.48	152.37	113.81
9 mo	151.44	90.48	102.26	50.98	77.72	101.04
10 mo	138.63	94.27	82.22	55.10	103.48	95.14
11 mo	131.87	100.84	118.75	45.73	33.93	105.72
12 mo	131.53	111.01	107.04	59.62	47.17	108.37
13 mo	183.52	92.36	84.48	53.62	139.77	103.52
14 mo	127.20	120.88	92.01	121.60	46.67	113.19
15 mo	143.64	173.89	102.82	48.68	45.13	141.07
16 mo	149.53	119.84	107.80	294.01	56.12	129.40
17 mo	180.20	123.84	92.85	348.12	69.03	135.89
18 mo	187.20	137.41	112.21	88.58	76.27	135.45
19 mo	165.93	127.50	116.97	127.90	65.81	129.65
20 mo	223.69	126.29	131.35	122.71	105.39	142.90
21 mo	202.85	98.62	104.49	76.97	65.03	115.18
22 mo	141.00	153.05	113.33	131.51	26.40	135.05
23 mo	143.36	141.00	51.18	102.80	36.07	112.63
24 mo	188.29	109.69	175.10	246.29	201.12	151.17
25 mo	218.52	142.94	204.22	102.69	117.54	166.47
26 mo	148.08	118.76	177.05	67.54	62.03	133.00
27 mo	234.32	142.02	72.96	77.78	13.03	131.42
28 mo	386.08	135.29	40.98	70.52	34.34	143.30
29 mo	142.05	196.19	88.23	68.09	57.66	145.38
30 mo	393.37	171.53	64.81	127.43	469.07	183.00
31 mo	562.58	113.20	98.06	184.58	513.93	197.43
32 mo	287.82	252.95	52.40	87.66	350.79	201.14
33 mo	243.84	144.16	89.73	112.81	357.83	151.62
34 mo	236.17	206.62	151.95	186.82	466.77	206.70
35 mo	237.73	322.81	110.02	70.44	467.39	240.89
36 mo	377.51	140.81	70.02	135.71	102.99	156.36
1 yr	109.00	76.05	76.17	59.80	142.45	81.71
2 yr	167.87	126.28	104.75	138.92	79.05	127.23
3 yr	281.50	167.93	105.47	105.65	245.77	167.76
4 yr	334.18	122.31	89.63	122.98	90.72	141.15
5 yr	220.86	127.63	89.78	1,214.56	64.82	183.46
6 yr	277.35	219.76	134.03	70.91	79.72	190.26
7+ yr	316.83	53.49	32.30	0.00	8.12	73.23

TABLE A3
MONTHLY EXPOSURE

Duration	Group Size					
	1	2-4	5-9	10-14	15-25	All
Long-Form Summary						
1 mo	2,633	50,657	34,794	8,831	4,280	101,195
2 mo	2,828	50,930	34,631	9,026	4,233	101,648
3 mo	3,067	50,967	35,226	9,470	4,575	103,305
4 mo	3,247	50,378	35,123	9,836	4,806	103,390
5 mo	3,329	49,384	34,555	10,047	4,844	102,159
6 mo	3,440	48,252	33,538	10,018	4,986	100,234
7 mo	3,462	46,876	32,731	9,959	5,081	98,109
8 mo	3,522	45,370	31,978	9,942	4,966	95,778
9 mo	3,592	43,619	31,109	9,938	4,881	93,139
10 mo	3,650	41,948	30,068	9,815	4,742	90,223
11 mo	3,707	40,497	29,038	9,690	4,581	87,513
12 mo	3,717	39,121	28,266	9,307	4,518	84,929
13 mo	3,492	35,935	26,204	8,711	4,369	78,711
14 mo	3,443	34,426	25,107	8,534	4,035	75,545
15 mo	3,425	32,163	23,413	7,792	3,609	70,402
16 mo	3,518	30,271	22,170	7,300	3,352	66,611
17 mo	3,472	28,939	21,538	7,156	3,157	64,262
18 mo	3,311	26,999	20,583	6,758	3,015	60,666
19 mo	3,096	24,738	18,863	6,038	2,695	55,430
20 mo	2,969	23,423	17,861	5,716	2,457	52,426
21 mo	2,682	21,739	16,531	5,131	2,138	48,221
22 mo	2,566	20,391	15,711	4,802	1,988	45,458
23 mo	2,477	19,584	15,171	4,656	1,934	43,822
24 mo	2,348	18,549	14,531	4,316	1,652	41,396
25 mo	2,166	17,209	13,490	3,748	1,407	38,020
26 mo	2,063	16,607	13,004	3,642	1,269	36,585
27 mo	1,988	15,904	12,107	3,016	1,057	34,072
28 mo	1,892	15,334	11,757	2,709	873	32,565
29 mo	1,824	14,990	11,403	2,417	837	31,471
30 mo	1,644	14,526	10,858	2,396	722	30,146
31 mo	1,538	13,804	10,171	2,249	640	28,402
32 mo	1,504	13,420	9,907	2,077	662	27,570
33 mo	1,405	12,934	9,404	1,892	585	26,220
34 mo	1,358	12,574	9,220	1,642	593	25,387
35 mo	1,248	12,475	9,122	1,584	620	25,049
36 mo	1,159	12,405	8,780	1,594	579	24,517
1 yr	40,194	557,999	391,057	115,879	56,493	1,161,622
2 yr	36,799	317,157	237,683	76,910	34,401	702,950
3 yr	19,789	172,182	129,223	28,966	9,844	360,004
4 yr	11,491	119,488	82,602	13,127	5,167	231,875
5 yr	9,202	80,723	51,834	8,056	4,595	154,410
6 yr	6,575	47,192	32,389	4,200	1,909	92,265
7+ yr	3,244	58,873	47,625	8,013	1,486	119,241
Total	127,294	1,353,614	972,413	255,151	113,895	2,822,367

TABLE A3—Continued

Duration	Group Size					
	1	2-4	5-9	10-14	15-25	All
Short-Form Summary						
1 mo	36,886	144,945	151,031	105,883	77,858	516,603
2 mo	35,135	134,659	140,471	97,695	73,323	481,283
3 mo	33,734	126,693	129,565	89,649	69,638	449,279
4 mo	31,724	121,746	124,533	86,042	66,851	430,896
5 mo	31,357	118,058	120,160	81,428	63,798	414,801
6 mo	30,692	113,670	114,171	75,988	60,584	395,105
7 mo	29,111	108,597	108,521	70,170	55,928	372,327
8 mo	28,248	103,066	102,441	65,797	52,068	351,620
9 mo	27,507	98,693	96,746	60,705	48,099	331,750
10 mo	26,670	95,232	92,021	56,335	42,554	312,812
11 mo	26,109	91,343	86,154	51,472	38,543	293,621
12 mo	25,292	85,958	80,879	47,052	34,603	273,784
13 mo	22,241	77,510	72,773	40,142	27,879	240,545
14 mo	21,339	71,968	67,120	34,563	23,197	218,187
15 mo	20,608	67,956	61,757	30,565	19,955	200,841
16 mo	19,668	64,235	57,102	26,459	17,216	184,680
17 mo	19,019	60,762	52,983	23,802	15,054	171,620
18 mo	18,371	57,970	49,708	21,765	13,730	161,544
19 mo	17,279	53,735	45,400	19,139	11,527	147,080
20 mo	16,704	50,672	41,999	16,815	10,252	136,442
21 mo	16,263	48,654	39,237	14,884	9,191	128,229
22 mo	15,555	46,709	36,420	13,154	8,509	120,347
23 mo	14,899	44,317	33,883	12,629	8,249	113,977
24 mo	14,205	42,254	31,771	12,079	7,835	108,144
25 mo	13,176	38,965	29,141	10,891	7,087	99,260
26 mo	12,590	36,887	27,063	10,128	7,055	93,723
27 mo	12,136	35,664	25,637	9,591	6,882	89,910
28 mo	11,481	33,907	23,735	8,759	6,469	84,351
29 mo	10,859	32,322	21,876	8,315	6,248	79,620
30 mo	10,388	31,068	20,535	8,015	6,311	76,317
31 mo	9,886	29,567	19,173	7,492	6,104	72,222
32 mo	9,524	28,343	18,006	7,195	5,823	68,891
33 mo	9,207	27,549	17,020	6,795	5,749	66,320
34 mo	8,876	26,518	16,202	6,656	5,706	63,958
35 mo	8,450	25,611	15,538	6,437	5,906	61,942
36 mo	7,974	24,438	14,808	6,288	5,935	59,443
1 yr	362,465	1,342,660	1,346,693	888,216	683,847	4,623,881
2 yr	216,151	686,742	590,153	265,996	172,594	1,931,636
3 yr	124,457	370,839	248,734	96,562	75,275	915,957
4 yr	66,367	216,945	122,266	55,146	51,210	511,934
5 yr	31,325	108,276	59,849	30,856	27,428	257,734
6 yr	12,610	45,245	26,037	14,346	12,741	110,979
7+ yr	17,023	49,063	23,146	24,137	24,252	137,621
Total	830,488	2,819,770	2,416,878	1,375,259	1,047,347	8,489,742

TABLE A3—Continued

Duration	Group Size					
	1	2-4	5-9	10-14	15-25	All
Short-Form and Long-Form Summary						
1 mo	39,519	195,602	185,825	114,714	82,138	617,798
2 mo	37,963	185,589	175,102	106,721	77,556	582,931
3 mo	36,801	177,660	164,791	99,119	74,213	552,584
4 mo	34,971	172,124	159,656	95,878	71,657	534,286
5 mo	34,686	167,442	154,715	91,475	68,642	516,960
6 mo	34,132	161,922	147,709	86,006	65,570	495,339
7 mo	32,573	155,473	141,252	80,129	61,009	470,436
8 mo	31,770	148,436	134,419	75,739	57,034	447,398
9 mo	31,099	142,312	127,855	70,643	52,980	424,889
10 mo	30,320	137,180	122,089	66,150	47,296	403,035
11 mo	29,816	131,840	115,192	61,162	43,124	381,134
12 mo	29,009	125,079	109,145	56,359	39,121	358,713
13 mo	25,733	113,445	98,977	48,853	32,248	319,256
14 mo	24,782	106,394	92,227	43,097	27,232	293,732
15 mo	24,033	100,119	85,170	38,357	23,564	271,243
16 mo	23,186	94,506	79,272	33,759	20,568	251,291
17 mo	22,491	89,701	74,521	30,958	18,211	235,882
18 mo	21,682	84,969	70,291	28,523	16,745	222,210
19 mo	20,375	78,473	64,263	25,177	14,222	202,510
20 mo	19,673	74,095	59,860	22,531	12,709	188,868
21 mo	18,945	70,393	55,768	20,015	11,329	176,450
22 mo	18,121	67,100	52,131	17,956	10,497	165,805
23 mo	17,376	63,901	49,054	17,285	10,183	157,799
24 mo	16,553	60,803	46,302	16,395	9,487	149,540
25 mo	15,342	56,174	42,631	14,639	8,494	137,280
26 mo	14,653	53,494	40,067	13,770	8,324	130,308
27 mo	14,124	51,568	37,744	12,607	7,939	123,982
28 mo	13,373	49,241	35,492	11,468	7,342	116,916
29 mo	12,683	47,312	33,279	10,732	7,085	111,091
30 mo	12,032	45,594	31,393	10,411	7,033	106,463
31 mo	11,424	43,371	29,344	9,741	6,744	100,624
32 mo	11,028	41,763	27,913	9,272	6,485	96,461
33 mo	10,612	40,483	26,424	8,687	6,334	92,540
34 mo	10,234	39,092	25,422	8,298	6,299	89,345
35 mo	9,698	38,086	24,660	8,021	6,526	86,991
36 mo	9,133	36,843	23,588	7,882	6,514	83,960
1 yr	402,659	1,900,659	1,737,750	1,004,095	740,340	5,785,503
2 yr	252,950	1,003,899	827,836	342,906	206,995	2,634,586
3 yr	144,336	543,021	377,957	125,528	85,119	1,275,961
4 yr	77,858	336,433	204,868	68,273	56,377	743,809
5 yr	40,527	188,999	111,683	38,912	32,023	412,144
6 yr	19,185	92,437	58,426	18,546	14,650	203,244
7+ yr	20,267	107,936	70,771	32,150	25,738	256,862
Total	957,782	4,173,384	3,389,291	1,630,410	1,161,242	11,312,109

TABLE A3—Continued

Duration	Group Size					
	1	2-4	5-9	10-14	15-25	All
Guarantee-Issue Summary						
1 mo	21	339	3,930	2,672	945	7,907
2 mo	1	433	4,354	2,923	1,086	8,797
3 mo	3	416	4,726	3,357	1,274	9,776
4 mo	3	472	4,857	3,475	1,371	10,178
5 mo	10	465	4,970	3,666	1,520	10,631
6 mo	7	473	5,063	3,845	1,598	10,986
7 mo	6	496	5,238	3,956	1,653	11,349
8 mo	8	498	5,214	4,078	1,720	11,518
9 mo	28	605	5,429	4,094	1,775	11,931
10 mo	25	634	5,417	4,092	2,007	12,175
11 mo	29	704	5,214	4,065	2,061	12,073
12 mo	29	749	5,181	4,017	2,096	12,072
13 mo	32	718	4,709	3,763	2,194	11,416
14 mo	32	700	4,486	3,554	2,290	11,062
15 mo	45	715	4,143	3,364	2,187	10,454
16 mo	39	696	3,872	3,254	2,204	10,065
17 mo	35	699	3,723	3,049	2,146	9,652
18 mo	34	659	3,539	2,745	2,007	8,984
19 mo	38	621	3,198	2,476	1,751	8,084
20 mo	34	710	3,203	2,313	1,658	7,918
21 mo	31	667	2,968	2,093	1,515	7,274
22 mo	31	654	2,870	1,818	1,388	6,761
23 mo	34	651	2,753	1,649	1,177	6,264
24 mo	33	650	2,629	1,501	1,088	5,901
25 mo	34	613	2,407	1,285	919	5,258
26 mo	44	575	2,323	1,279	858	5,079
27 mo	34	583	2,286	1,109	827	4,839
28 mo	31	581	2,268	1,128	768	4,776
29 mo	41	589	2,193	1,110	717	4,650
30 mo	36	591	2,131	1,061	581	4,400
31 mo	54	612	1,912	995	423	3,996
32 mo	71	631	1,893	960	372	3,927
33 mo	60	645	1,893	941	335	3,874
34 mo	71	713	1,917	894	288	3,883
35 mo	66	726	2,002	818	269	3,881
36 mo	65	740	2,017	815	273	3,910
1 yr	170	6,284	59,593	44,240	19,106	129,393
2 yr	418	8,140	42,093	31,579	21,605	103,835
3 yr	607	7,599	25,242	12,395	6,630	52,473
4 yr	717	8,204	23,174	8,331	3,330	43,756
5 yr	476	5,754	16,432	6,834	4,357	33,853
6 yr	244	3,014	9,267	3,473	2,777	18,775
7+ yr	113	852	3,430	1,523	872	6,790
Total	2,745	39,847	179,231	108,375	58,677	388,875

TABLE A3—Continued

Duration	Group Size					
	1	2-4	5-9	10-14	15-25	All
No Preexisting-Condition Limitation Summary						
1 mo	5,224	11,326	8,398	2,573	351	27,872
2 mo	5,095	10,717	7,834	2,313	282	26,241
3 mo	4,993	10,450	7,523	2,152	237	25,355
4 mo	4,592	10,187	7,150	2,085	271	24,285
5 mo	4,562	10,170	6,958	2,006	343	24,039
6 mo	4,485	10,117	6,886	2,023	354	23,865
7 mo	4,140	9,911	6,678	1,961	345	23,035
8 mo	4,030	9,759	6,574	1,912	339	22,614
9 mo	3,948	9,745	6,453	1,911	355	22,412
10 mo	3,819	9,855	6,366	1,958	378	22,376
11 mo	3,569	9,167	5,804	1,613	382	20,535
12 mo	3,376	8,704	5,475	1,453	375	19,383
13 mo	2,404	6,972	4,033	979	308	14,696
14 mo	2,180	6,046	3,270	692	204	12,392
15 mo	2,090	5,598	2,984	603	201	11,476
16 mo	1,884	5,281	2,781	537	215	10,698
17 mo	1,813	4,922	2,681	494	156	10,066
18 mo	1,710	4,728	2,619	487	238	9,782
19 mo	1,489	4,212	2,314	420	233	8,668
20 mo	1,382	4,023	2,240	423	278	8,346
21 mo	1,306	3,839	2,101	432	243	7,921
22 mo	1,218	3,719	2,017	450	265	7,669
23 mo	1,124	3,409	1,807	459	205	7,004
24 mo	1,039	3,170	1,776	428	195	6,608
25 mo	874	2,731	1,435	397	206	5,643
26 mo	800	2,466	1,289	322	178	5,055
27 mo	757	2,289	1,175	320	138	4,679
28 mo	726	2,189	1,182	323	131	4,551
29 mo	679	2,067	1,184	292	143	4,365
30 mo	628	1,977	1,149	313	153	4,220
31 mo	580	1,822	983	288	136	3,809
32 mo	556	1,743	894	236	142	3,571
33 mo	519	1,624	904	229	141	3,417
34 mo	487	1,489	855	245	144	3,220
35 mo	482	1,442	817	239	137	3,117
36 mo	439	1,328	759	208	124	2,858
1 yr	51,833	120,108	82,099	23,960	4,012	282,012
2 yr	19,639	55,919	30,623	6,404	2,741	115,326
3 yr	7,527	23,167	12,626	3,412	1,773	48,505
4 yr	3,168	10,373	6,104	1,854	1,348	22,847
5 yr	2,016	7,730	3,906	856	1,353	15,861
6 yr	992	3,145	1,446	259	606	6,448
7+ yr	155	572	400	0	155	1,282
Total	85,330	221,014	137,204	36,745	11,988	492,281

TABLE A4
INDIVIDUAL CELL DETAIL

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Long; Preexisting: 12 mo.; Group Size: 1				
1 mo	\$ 113,326.46	2,633	\$ 43.04	0.225
2 mo	237,302.62	2,828	83.91	0.438
3 mo	343,145.34	3,067	111.88	0.584
4 mo	317,251.80	3,247	97.71	0.510
5 mo	273,251.64	3,329	82.08	0.429
6 mo	298,832.67	3,440	86.87	0.454
7 mo	288,036.75	3,462	83.20	0.434
8 mo	377,788.15	3,522	107.27	0.560
9 mo	365,743.13	3,592	101.82	0.532
10 mo	418,600.89	3,650	114.69	0.599
11 mo	464,754.45	3,707	125.37	0.655
12 mo	434,480.13	3,717	116.89	0.610
13 mo	543,274.34	3,492	155.58	0.812
14 mo	669,868.98	3,443	194.56	1.016
15 mo	546,841.25	3,425	159.66	0.834
16 mo	653,618.57	3,518	185.79	0.970
17 mo	430,885.39	3,472	124.10	0.648
18 mo	502,312.93	3,311	151.71	0.792
19 mo	815,226.32	3,096	263.32	1.375
20 mo	583,254.90	2,969	196.45	1.026
21 mo	565,331.46	2,682	210.79	1.101
22 mo	463,753.52	2,566	180.73	0.944
23 mo	575,180.11	2,477	232.21	1.213
24 mo	697,875.71	2,348	297.22	1.552
25 mo	524,126.75	2,166	241.98	1.264
26 mo	343,281.09	2,063	166.40	0.869
27 mo	473,027.36	1,988	237.94	1.242
28 mo	437,448.54	1,892	231.21	1.207
29 mo	375,407.56	1,824	205.82	1.075
30 mo	340,285.40	1,644	206.99	1.081
31 mo	304,352.58	1,538	197.89	1.033
32 mo	376,467.25	1,504	250.31	1.307
33 mo	331,732.28	1,405	236.11	1.233
34 mo	381,730.02	1,358	281.10	1.468
35 mo	306,030.62	1,248	245.22	1.280
36 mo	357,291.24	1,159	308.28	1.610
1 yr	3,932,514.03	40,194	97.84	0.511
2 yr	7,047,423.48	36,799	191.51	1.000
3 yr	4,551,180.69	19,789	229.99	1.201
4 yr	2,556,868.01	11,491	222.51	1.162
5 yr	2,784,690.44	9,202	302.62	1.580
6 yr	1,448,638.44	6,575	220.33	1.150
7+ yr	1,081,256.66	3,244	333.31	1.740

TABLE A4—Continued

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Long; Preexisting: 12 mo.; Group Size: 2-4				
1 mo	\$ 2,221,156.88	50,657	\$ 43.85	0.302
2 mo	3,472,100.02	50,930	68.17	0.470
3 mo	4,216,097.02	50,967	82.72	0.570
4 mo	5,074,228.31	50,378	100.72	0.694
5 mo	4,331,625.35	49,384	87.71	0.604
6 mo	4,716,455.84	48,252	97.75	0.674
7 mo	4,948,649.56	46,876	105.57	0.727
8 mo	5,053,460.39	45,370	111.38	0.767
9 mo	5,226,998.29	43,619	119.83	0.826
10 mo	4,635,583.61	41,948	110.51	0.761
11 mo	4,653,984.11	40,497	114.92	0.792
12 mo	4,206,924.43	39,121	107.54	0.741
13 mo	4,664,572.38	35,935	129.81	0.894
14 mo	4,432,107.11	34,426	128.74	0.887
15 mo	4,268,218.96	32,163	132.71	0.914
16 mo	3,856,671.68	30,271	127.40	0.878
17 mo	4,489,362.26	28,939	155.13	1.069
18 mo	4,109,547.57	26,999	152.21	1.049
19 mo	3,979,442.70	24,738	160.86	1.108
20 mo	3,585,139.97	23,423	153.06	1.055
21 mo	3,262,693.16	21,739	150.08	1.034
22 mo	3,070,362.37	20,391	150.57	1.038
23 mo	3,196,816.79	19,584	163.24	1.125
24 mo	3,114,561.63	18,549	167.91	1.157
25 mo	3,300,689.52	17,209	191.80	1.322
26 mo	2,999,072.13	16,607	180.59	1.244
27 mo	3,001,474.65	15,904	188.72	1.300
28 mo	2,543,168.84	15,334	165.85	1.143
29 mo	2,703,345.32	14,990	180.34	1.243
30 mo	2,830,340.50	14,526	194.85	1.343
31 mo	2,596,461.51	13,804	188.09	1.296
32 mo	1,957,483.99	13,420	145.86	1.005
33 mo	2,028,778.48	12,934	156.86	1.081
34 mo	2,973,989.20	12,574	236.52	1.630
35 mo	2,397,380.73	12,475	192.17	1.324
36 mo	2,329,857.07	12,405	187.82	1.294
1 yr	52,757,263.81	557,999	94.55	0.651
2 yr	46,029,496.58	317,157	145.13	1.000
3 yr	31,662,041.94	172,182	183.89	1.267
4 yr	18,792,469.70	119,488	157.27	1.084
5 yr	12,600,758.13	80,723	156.10	1.076
6 yr	8,099,885.34	47,192	171.64	1.183
7+ yr	10,419,145.44	58,873	176.98	1.219

TABLE A4—Continued

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Long; Preexisting: 12 mo.; Group Size: 5-9				
1 mo	\$ 1,717,411.22	34,794	\$ 49.36	0.383
2 mo	1,952,009.71	34,631	56.37	0.437
3 mo	3,166,464.52	35,226	89.89	0.697
4 mo	2,848,910.51	35,123	81.11	0.629
5 mo	3,387,360.25	34,555	98.03	0.760
6 mo	2,952,989.62	33,538	88.05	0.683
7 mo	3,858,084.16	32,731	117.87	0.914
8 mo	3,087,846.45	31,978	96.56	0.749
9 mo	3,741,247.07	31,109	120.26	0.932
10 mo	4,001,246.92	30,068	133.07	1.032
11 mo	3,315,407.56	29,038	114.17	0.885
12 mo	3,129,967.05	28,266	110.73	0.859
13 mo	3,247,652.33	26,204	123.94	0.961
14 mo	3,575,613.11	25,107	142.41	1.104
15 mo	2,867,697.59	23,413	122.48	0.950
16 mo	2,732,319.57	22,170	123.24	0.956
17 mo	2,596,237.12	21,538	120.54	0.935
18 mo	2,567,541.19	20,583	124.74	0.967
19 mo	2,456,980.67	18,863	130.25	1.010
20 mo	2,223,087.56	17,861	124.47	0.965
21 mo	2,265,844.35	16,531	137.07	1.063
22 mo	2,119,895.61	15,711	134.93	1.046
23 mo	2,137,746.37	15,171	140.91	1.093
24 mo	1,864,391.80	14,531	128.30	0.995
25 mo	2,041,626.39	13,490	151.34	1.173
26 mo	1,715,759.52	13,004	131.94	1.023
27 mo	2,114,561.94	12,107	174.66	1.354
28 mo	1,715,938.26	11,757	145.95	1.132
29 mo	1,694,921.50	11,403	148.64	1.152
30 mo	1,893,545.05	10,858	174.39	1.352
31 mo	1,436,659.31	10,171	141.25	1.095
32 mo	1,138,370.69	9,907	114.91	0.891
33 mo	1,146,667.45	9,404	121.93	0.945
34 mo	1,244,523.85	9,220	134.98	1.047
35 mo	1,284,700.97	9,122	140.84	1.092
36 mo	1,525,310.04	8,780	173.73	1.347
1 yr	37,158,945.04	391,057	95.02	0.737
2 yr	30,655,007.27	237,683	128.97	1.000
3 yr	18,952,584.97	129,223	146.67	1.137
4 yr	13,528,160.00	82,602	163.78	1.270
5 yr	9,123,467.64	51,834	176.01	1.365
6 yr	5,249,202.97	32,389	162.07	1.257
7+ yr	7,319,380.08	47,625	153.69	1.192

TABLE A4--Continued

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Long; Preexisting: 12 mo.; Group Size: 10-14				
1 mo	\$ 406,547.29	8,831	\$ 46.04	0.340
2 mo	607,558.06	9,026	67.31	0.497
3 mo	900,964.21	9,470	95.14	0.702
4 mo	816,754.02	9,836	83.04	0.613
5 mo	798,614.56	10,047	79.49	0.587
6 mo	709,885.29	10,018	70.86	0.523
7 mo	778,815.43	9,959	78.20	0.577
8 mo	1,066,624.79	9,942	107.28	0.792
9 mo	804,168.60	9,938	80.92	0.597
10 mo	1,149,181.43	9,815	117.08	0.864
11 mo	1,093,405.35	9,690	112.84	0.833
12 mo	1,120,113.37	9,307	120.35	0.888
13 mo	947,326.82	8,711	108.75	0.803
14 mo	1,236,805.40	8,534	144.93	1.070
15 mo	1,076,338.32	7,792	138.13	1.020
16 mo	957,831.72	7,300	131.21	0.969
17 mo	664,207.82	7,156	92.82	0.685
18 mo	755,707.21	6,758	111.82	0.826
19 mo	839,122.17	6,038	138.97	1.026
20 mo	1,222,891.97	5,716	213.94	1.579
21 mo	990,392.85	5,131	193.02	1.425
22 mo	559,616.50	4,802	116.54	0.860
23 mo	667,969.33	4,656	143.46	1.059
24 mo	499,645.02	4,316	115.77	0.855
25 mo	761,065.26	3,748	203.06	1.499
26 mo	652,135.13	3,642	179.06	1.322
27 mo	423,069.73	3,016	140.28	1.036
28 mo	577,794.40	2,709	213.29	1.575
29 mo	334,073.29	2,417	138.22	1.020
30 mo	337,951.64	2,396	141.05	1.041
31 mo	334,045.58	2,249	148.53	1.097
32 mo	346,561.04	2,077	166.86	1.232
33 mo	208,089.15	1,892	109.98	0.812
34 mo	299,811.05	1,642	182.59	1.348
35 mo	140,295.86	1,584	88.57	0.654
36 mo	292,071.47	1,594	183.23	1.353
1 yr	10,252,632.40	115,879	88.48	0.653
2 yr	10,417,855.13	76,910	135.46	1.000
3 yr	4,706,963.60	28,966	162.50	1.200
4 yr	2,052,733.81	13,127	156.37	1.154
5 yr	1,583,315.18	8,056	196.54	1.451
6 yr	510,780.41	4,200	121.61	0.898
7+ yr	1,587,165.97	8,013	198.07	1.462

TABLE A4—Continued

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Long; Preexisting: 12 mo.; Group Size: 15-25				
1 mo	\$ 543,183.15	4,280	\$126.91	0.991
2 mo	293,782.46	4,233	69.40	0.542
3 mo	427,670.19	4,575	93.48	0.730
4 mo	502,202.20	4,806	104.49	0.816
5 mo	485,644.87	4,844	100.26	0.783
6 mo	645,915.32	4,986	129.55	1.011
7 mo	637,304.59	5,081	125.43	0.979
8 mo	492,831.03	4,966	99.24	0.775
9 mo	407,311.11	4,881	83.45	0.651
10 mo	513,847.18	4,742	108.36	0.846
11 mo	411,611.20	4,581	89.85	0.701
12 mo	527,846.16	4,518	116.83	0.912
13 mo	513,769.89	4,369	117.59	0.918
14 mo	378,628.33	4,035	93.84	0.732
15 mo	602,138.16	3,609	166.84	1.302
16 mo	728,574.66	3,352	217.36	1.697
17 mo	386,210.53	3,157	122.33	0.955
18 mo	392,514.55	3,015	130.19	1.016
19 mo	226,820.40	2,695	84.16	0.657
20 mo	273,501.70	2,457	111.32	0.869
21 mo	223,743.71	2,138	104.65	0.817
22 mo	206,412.87	1,988	103.83	0.810
23 mo	225,287.34	1,934	116.49	0.909
24 mo	249,482.64	1,652	151.02	1.179
25 mo	106,761.75	1,407	75.88	0.592
26 mo	128,326.87	1,269	101.12	0.789
27 mo	151,577.85	1,057	143.40	1.119
28 mo	377,003.39	873	431.85	3.371
29 mo	163,137.54	837	194.91	1.521
30 mo	66,750.65	722	92.45	0.722
31 mo	97,444.88	640	152.26	1.188
32 mo	96,592.49	662	145.91	1.139
33 mo	191,637.33	585	327.59	2.557
34 mo	99,971.31	593	168.59	1.316
35 mo	85,239.28	620	137.48	1.073
36 mo	59,995.60	579	103.62	0.809
1 yr	5,889,149.46	56,493	104.25	0.814
2 yr	4,407,084.78	34,401	128.11	1.000
3 yr	1,624,438.94	9,844	165.02	1.288
4 yr	959,144.01	5,167	185.63	1.449
5 yr	712,212.70	4,595	155.00	1.210
6 yr	306,474.65	1,909	160.54	1.253
7+ yr	193,820.95	1,486	130.43	1.018

TABLE A4—Continued

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Short; Preexisting: None; Group Size: 1				
1 mo	\$ 253,491.52	5,224	\$ 48.52	0.289
2 mo	496,151.80	5,095	97.38	0.580
3 mo	371,633.98	4,993	74.43	0.443
4 mo	476,722.64	4,592	103.82	0.618
5 mo	397,946.78	4,562	87.23	0.520
6 mo	382,123.30	4,485	85.20	0.508
7 mo	484,709.87	4,140	117.08	0.697
8 mo	745,249.52	4,030	184.93	1.102
9 mo	597,902.04	3,948	151.44	0.902
10 mo	529,445.50	3,819	138.63	0.826
11 mo	470,639.81	3,569	131.87	0.786
12 mo	444,030.78	3,376	131.53	0.783
13 mo	441,174.98	2,404	183.52	1.093
14 mo	277,290.84	2,180	127.20	0.758
15 mo	300,211.90	2,090	143.64	0.856
16 mo	281,705.40	1,884	149.53	0.891
17 mo	326,702.42	1,813	180.20	1.073
18 mo	320,106.09	1,710	187.20	1.115
19 mo	247,074.14	1,489	165.93	0.988
20 mo	309,145.05	1,382	223.69	1.333
21 mo	264,916.06	1,306	202.85	1.208
22 mo	171,733.44	1,218	141.00	0.840
23 mo	161,134.49	1,124	143.36	0.854
24 mo	195,636.07	1,039	188.29	1.122
25 mo	190,987.42	874	218.52	1.302
26 mo	118,467.09	800	148.08	0.882
27 mo	177,376.67	757	234.32	1.396
28 mo	280,296.32	726	386.08	2.300
29 mo	96,449.69	679	142.05	0.846
30 mo	247,038.97	628	393.37	2.343
31 mo	326,297.86	580	562.58	3.351
32 mo	160,029.97	556	287.82	1.715
33 mo	126,552.56	519	243.84	1.453
34 mo	115,014.34	487	236.17	1.407
35 mo	114,587.44	482	237.73	1.416
36 mo	165,726.83	439	377.51	2.249
1 yr	5,650,047.54	51,833	109.00	0.649
2 yr	3,296,830.88	19,639	167.87	1.000
3 yr	2,118,825.16	7,527	281.50	1.677
4 yr	1,058,670.94	3,168	334.18	1.991
5 yr	445,249.64	2,016	220.86	1.316
6 yr	275,132.88	992	277.35	1.652
7+ yr	49,108.27	155	316.83	1.887

TABLE A4—Continued

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Short; Preexisting: None; Group Size: 2-4				
1 mo	\$ 391,051.78	11,326	\$ 34.53	0.273
2 mo	616,134.65	10,717	57.49	0.455
3 mo	625,041.90	10,450	59.81	0.474
4 mo	811,064.87	10,187	79.62	0.630
5 mo	802,410.82	10,170	78.90	0.625
6 mo	627,970.68	10,117	62.07	0.492
7 mo	677,281.78	9,911	68.34	0.541
8 mo	881,754.35	9,759	90.35	0.715
9 mo	881,770.47	9,745	90.48	0.717
10 mo	929,037.81	9,855	94.27	0.747
11 mo	924,396.93	9,167	100.84	0.799
12 mo	966,230.05	8,704	111.01	0.879
13 mo	643,924.19	6,972	92.36	0.731
14 mo	730,828.75	6,046	120.88	0.957
15 mo	973,433.98	5,598	173.89	1.377
16 mo	632,865.51	5,281	119.84	0.949
17 mo	609,534.95	4,922	123.84	0.981
18 mo	649,672.56	4,728	137.41	1.088
19 mo	537,019.56	4,212	127.50	1.010
20 mo	508,049.47	4,023	126.29	1.000
21 mo	378,591.77	3,839	98.62	0.781
22 mo	569,196.24	3,719	153.05	1.212
23 mo	480,654.30	3,409	141.00	1.117
24 mo	347,726.17	3,170	109.69	0.869
25 mo	390,374.65	2,731	142.94	1.132
26 mo	292,855.25	2,466	118.76	0.940
27 mo	325,092.06	2,289	142.02	1.125
28 mo	296,148.57	2,189	135.29	1.071
29 mo	405,521.40	2,067	196.19	1.554
30 mo	339,110.44	1,977	171.53	1.358
31 mo	206,253.55	1,822	113.20	0.896
32 mo	440,885.52	1,743	252.95	2.003
33 mo	234,118.14	1,624	144.16	1.142
34 mo	307,656.33	1,489	206.62	1.636
35 mo	465,498.67	1,442	322.81	2.556
36 mo	187,000.64	1,328	140.81	1.115
1 yr	9,134,146.09	120,108	76.05	0.602
2 yr	7,061,497.45	55,919	126.28	1.000
3 yr	3,890,515.22	23,167	167.93	1.330
4 yr	1,268,748.04	10,373	122.31	0.969
5 yr	986,558.35	7,730	127.63	1.011
6 yr	691,151.41	3,145	219.76	1.740
7+ yr	30,595.24	572	53.49	0.424

TABLE A4—Continued

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Short; Preexisting: None; Group Size: 5-9				
1 mo	\$ 226,982.96	8,398	\$ 27.03	0.258
2 mo	363,649.29	7,834	46.42	0.443
3 mo	401,311.47	7,523	53.34	0.509
4 mo	517,679.35	7,150	72.40	0.691
5 mo	469,256.14	6,958	67.44	0.644
6 mo	468,344.95	6,886	68.01	0.649
7 mo	550,948.87	6,678	82.50	0.788
8 mo	795,564.56	6,574	121.17	1.157
9 mo	659,863.26	6,453	102.26	0.976
10 mo	523,440.82	6,366	82.22	0.785
11 mo	689,201.96	5,804	118.75	1.134
12 mo	586,027.00	5,475	107.04	1.022
13 mo	340,726.14	4,033	84.48	0.807
14 mo	300,887.52	3,270	92.01	0.878
15 mo	306,820.05	2,984	102.82	0.982
16 mo	299,790.76	2,781	107.80	1.029
17 mo	248,939.55	2,681	92.85	0.886
18 mo	293,889.24	2,619	112.21	1.071
19 mo	270,672.18	2,314	116.97	1.117
20 mo	294,229.79	2,240	131.35	1.254
21 mo	219,747.95	2,101	104.59	0.999
22 mo	228,576.65	2,017	113.33	1.082
23 mo	92,481.35	1,807	51.18	0.489
24 mo	310,972.59	1,776	175.10	1.672
25 mo	293,057.65	1,435	204.22	1.950
26 mo	228,212.54	1,289	177.05	1.690
27 mo	85,733.72	1,175	72.96	0.697
28 mo	48,442.83	1,182	40.98	0.391
29 mo	104,466.05	1,184	88.23	0.842
30 mo	74,468.91	1,149	64.81	0.619
31 mo	96,390.75	983	98.06	0.936
32 mo	46,847.49	894	52.40	0.500
33 mo	81,117.45	904	89.73	0.857
34 mo	129,920.30	855	151.95	1.451
35 mo	89,890.00	817	110.02	1.050
36 mo	53,146.28	759	70.02	0.668
1 yr	6,253,270.63	82,099	76.17	0.727
2 yr	3,207,733.77	30,623	104.75	1.000
3 yr	1,331,693.97	12,626	105.47	1.007
4 yr	547,074.29	6,104	89.63	0.856
5 yr	350,674.23	3,906	89.78	0.857
6 yr	193,813.29	1,446	134.03	1.280
7+ yr	12,920.05	400	32.30	0.308

TABLE A4—Continued

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Short; Preexisting: None; Group Size: 10-14				
1 mo	\$ 55,231.29	2,573	\$ 21.47	0.155
2 mo	144,799.19	2,313	62.60	0.451
3 mo	112,205.36	2,152	52.14	0.375
4 mo	147,461.31	2,085	70.72	0.509
5 mo	126,191.81	2,006	62.91	0.453
6 mo	162,529.24	2,023	80.34	0.578
7 mo	220,290.79	1,961	112.34	0.809
8 mo	98,431.00	1,912	51.48	0.371
9 mo	97,425.98	1,911	50.98	0.367
10 mo	107,886.56	1,958	55.10	0.397
11 mo	73,769.42	1,613	45.73	0.329
12 mo	86,631.99	1,453	59.62	0.429
13 mo	52,493.43	979	53.62	0.386
14 mo	84,145.13	692	121.60	0.875
15 mo	29,356.68	603	48.68	0.350
16 mo	157,884.51	537	294.01	2.116
17 mo	171,970.80	494	348.12	2.506
18 mo	43,140.13	487	88.58	0.638
19 mo	53,717.61	420	127.90	0.921
20 mo	51,907.29	423	122.71	0.883
21 mo	33,252.49	432	76.97	0.554
22 mo	59,179.20	450	131.51	0.947
23 mo	47,187.21	459	102.80	0.740
24 mo	105,410.26	428	246.29	1.773
25 mo	40,766.41	397	102.69	0.739
26 mo	21,747.40	322	67.54	0.486
27 mo	24,890.60	320	77.78	0.560
28 mo	22,777.05	323	70.52	0.508
29 mo	19,883.25	292	68.09	0.490
30 mo	39,884.47	313	127.43	0.917
31 mo	53,158.07	288	184.58	1.329
32 mo	20,686.71	236	87.66	0.631
33 mo	25,834.01	229	112.81	0.812
34 mo	45,769.72	245	186.82	1.345
35 mo	16,835.57	239	70.44	0.507
36 mo	28,227.55	208	135.71	0.977
1 yr	1,432,853.94	23,960	59.80	0.430
2 yr	889,644.74	6,404	138.92	1.000
3 yr	360,460.81	3,412	105.65	0.760
4 yr	227,995.73	1,854	122.98	0.885
5 yr	1,039,661.43	856	1,214.56	8.743
6 yr	18,364.67	259	70.91	0.510
7+ yr	0.00	0	0.00	0.000

TABLE A4—Continued

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Short; Preexisting: None; Group Size: 15-25				
1 mo	\$ 13,183.55	351	\$ 37.56	0.475
2 mo	33,582.33	282	119.09	1.507
3 mo	29,345.76	237	123.82	1.566
4 mo	12,172.19	271	44.92	0.568
5 mo	154,487.49	343	450.40	5.698
6 mo	126,912.68	354	358.51	4.535
7 mo	52,810.26	345	153.07	1.936
8 mo	51,653.60	339	152.37	1.928
9 mo	27,592.07	355	77.72	0.983
10 mo	39,113.63	378	103.48	1.309
11 mo	12,962.09	382	33.93	0.429
12 mo	17,688.11	375	47.17	0.597
13 mo	43,050.40	308	139.77	1.768
14 mo	9,521.40	204	46.67	0.590
15 mo	9,071.37	201	45.13	0.571
16 mo	12,066.75	215	56.12	0.710
17 mo	10,768.01	156	69.03	0.873
18 mo	18,151.15	238	76.27	0.965
19 mo	15,334.32	233	65.81	0.833
20 mo	29,298.76	278	105.39	1.333
21 mo	15,801.56	243	65.03	0.823
22 mo	6,995.97	265	26.40	0.334
23 mo	7,393.77	205	36.07	0.456
24 mo	39,217.58	195	201.12	2.544
25 mo	24,212.87	206	117.54	1.487
26 mo	11,041.59	178	62.03	0.785
27 mo	1,797.98	138	13.03	0.165
28 mo	4,498.59	131	34.34	0.434
29 mo	8,246.00	143	57.66	0.729
30 mo	71,767.60	153	469.07	5.934
31 mo	69,894.22	136	513.93	6.501
32 mo	49,811.89	142	350.79	4.438
33 mo	50,454.05	141	357.83	4.527
34 mo	67,215.23	144	466.77	5.905
35 mo	64,031.91	137	467.39	5.913
36 mo	12,770.29	124	102.99	1.303
1 yr	571,503.76	4,012	142.45	1.802
2 yr	216,671.04	2,741	79.05	1.000
3 yr	435,742.22	1,773	245.77	3.109
4 yr	122,296.14	1,348	90.72	1.148
5 yr	87,695.97	1,353	64.82	0.820
6 yr	48,309.56	606	79.72	1.008
7 + yr	1,258.02	155	8.12	0.103

TABLE A4—Continued

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Short; Preexisting: 12 mo.; Group Size: 1				
1 mo	\$ 1,607,998.82	36,886	\$ 43.59	0.347
2 mo	2,530,482.00	35,135	72.02	0.573
3 mo	2,222,346.43	33,734	65.88	0.524
4 mo	2,845,800.62	31,724	89.70	0.714
5 mo	2,499,882.27	31,357	79.72	0.635
6 mo	2,845,056.96	30,692	92.70	0.738
7 mo	2,974,072.48	29,111	102.16	0.813
8 mo	2,421,364.04	28,248	85.72	0.682
9 mo	3,026,834.50	27,507	110.04	0.876
10 mo	2,515,011.43	26,670	94.30	0.751
11 mo	2,969,186.43	26,109	113.72	0.905
12 mo	2,899,584.16	25,292	114.64	0.913
13 mo	2,687,330.74	22,241	120.83	0.962
14 mo	2,749,641.38	21,339	128.86	1.026
15 mo	2,594,263.23	20,608	125.89	1.002
16 mo	2,283,685.98	19,668	116.11	0.924
17 mo	2,405,772.01	19,019	126.49	1.007
18 mo	2,190,901.75	18,371	119.26	0.949
19 mo	2,208,857.90	17,279	127.83	1.017
20 mo	2,389,562.33	16,704	143.05	1.139
21 mo	2,033,192.99	16,263	125.02	0.995
22 mo	1,821,401.71	15,555	117.09	0.932
23 mo	1,777,688.86	14,899	119.32	0.950
24 mo	2,014,275.96	14,205	141.80	1.129
25 mo	1,621,693.93	13,176	123.08	0.980
26 mo	1,833,836.39	12,590	145.66	1.159
27 mo	2,201,865.51	12,136	181.43	1.444
28 mo	1,653,852.34	11,481	144.05	1.147
29 mo	1,267,808.26	10,859	116.75	0.929
30 mo	1,324,919.80	10,388	127.54	1.015
31 mo	1,150,007.54	9,886	116.33	0.926
32 mo	1,792,888.06	9,524	188.25	1.498
33 mo	1,099,272.22	9,207	119.40	0.950
34 mo	1,140,410.13	8,876	128.48	1.023
35 mo	980,568.16	8,450	116.04	0.924
36 mo	903,875.37	7,974	113.35	0.902
1 yr	31,357,620.14	362,465	86.51	0.689
2 yr	27,156,574.84	216,151	125.64	1.000
3 yr	16,970,997.71	124,547	136.26	1.085
4 yr	8,215,650.91	66,367	123.79	0.985
5 yr	4,262,369.82	31,325	136.07	1.083
6 yr	1,922,306.50	12,610	152.44	1.213
7+ yr	2,523,017.76	17,023	148.21	1.180

TABLE A4—Continued

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Short; Preexisting: 12 mo.; Group Size: 2-4				
1 mo	\$ 5,012,738.38	144,945	\$ 34.58	0.314
2 mo	7,034,391.56	134,659	52.24	0.474
3 mo	8,130,654.02	126,693	64.18	0.582
4 mo	7,650,198.64	121,746	62.84	0.570
5 mo	8,947,006.46	118,058	75.78	0.688
6 mo	8,819,680.08	113,670	77.59	0.704
7 mo	8,091,550.99	108,597	74.51	0.676
8 mo	8,497,670.00	103,066	82.45	0.748
9 mo	8,230,887.73	98,693	83.40	0.757
10 mo	8,819,914.96	95,232	92.62	0.840
11 mo	9,114,271.22	91,343	99.78	0.905
12 mo	8,807,843.21	85,958	102.47	0.930
13 mo	8,015,583.88	77,510	103.41	0.938
14 mo	7,256,122.41	71,968	100.82	0.915
15 mo	8,049,384.80	67,956	118.45	1.075
16 mo	7,192,637.02	64,235	111.97	1.016
17 mo	6,262,504.55	60,762	103.07	0.935
18 mo	6,288,528.24	57,970	108.48	0.984
19 mo	6,558,693.34	53,735	122.06	1.107
20 mo	5,353,739.77	50,672	105.65	0.958
21 mo	5,622,041.85	48,654	115.55	1.048
22 mo	5,621,644.35	46,709	120.35	1.092
23 mo	4,782,278.49	44,317	107.91	0.979
24 mo	4,697,541.99	42,254	111.17	1.009
25 mo	4,329,926.15	38,965	111.12	1.008
26 mo	4,657,340.58	36,887	126.26	1.145
27 mo	4,279,752.53	35,664	120.00	1.089
28 mo	4,478,524.06	33,907	132.08	1.198
29 mo	4,177,955.33	32,322	129.26	1.173
30 mo	4,080,423.51	31,068	131.34	1.191
31 mo	3,600,182.79	29,567	121.76	1.105
32 mo	3,257,547.03	28,343	114.93	1.043
33 mo	3,647,330.07	27,549	132.39	1.201
34 mo	3,321,786.41	26,518	125.27	1.136
35 mo	2,827,447.06	25,611	110.40	1.002
36 mo	2,845,376.40	24,438	116.43	1.056
1 yr	97,156,807.25	1,342,660	72.36	0.656
2 yr	75,700,700.69	686,742	110.23	1.000
3 yr	45,503,591.92	370,839	122.70	1.113
4 yr	26,580,681.31	216,945	122.52	1.112
5 yr	16,308,398.48	108,276	150.62	1.366
6 yr	6,088,881.26	45,245	134.58	1.221
7+ yr	6,289,792.79	49,063	128.20	1.163

TABLE A4—Continued

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Short; Preexisting: 12 mo.; Group Size: 5-9				
1 mo	\$ 6,178,838.45	151,031	\$ 40.91	0.379
2 mo	8,090,013.61	140,471	57.59	0.534
3 mo	8,559,146.87	129,565	66.06	0.612
4 mo	9,217,135.02	124,533	74.01	0.686
5 mo	8,883,616.26	120,160	73.93	0.685
6 mo	10,412,844.57	114,171	91.20	0.845
7 mo	9,102,174.16	108,521	83.87	0.777
8 mo	8,772,612.52	102,441	85.64	0.794
9 mo	8,276,898.66	96,746	85.55	0.793
10 mo	7,265,489.82	92,021	78.95	0.732
11 mo	7,789,907.63	86,154	90.42	0.838
12 mo	7,671,121.68	80,879	94.85	0.879
13 mo	7,526,492.28	72,773	103.42	0.959
14 mo	6,858,278.50	67,120	102.18	0.947
15 mo	6,778,289.86	61,757	109.76	1.017
16 mo	6,606,668.27	57,102	115.70	1.072
17 mo	5,443,590.34	52,983	102.74	0.952
18 mo	5,143,402.26	49,708	103.47	0.959
19 mo	5,108,304.39	45,400	112.52	1.043
20 mo	4,495,356.98	41,999	107.03	0.992
21 mo	4,185,364.35	39,237	106.67	0.989
22 mo	4,155,158.39	36,420	114.09	1.057
23 mo	3,314,459.05	33,883	97.82	0.907
24 mo	4,059,486.19	31,771	127.77	1.184
25 mo	3,295,518.06	29,141	113.09	1.048
26 mo	2,916,577.71	27,063	107.77	0.999
27 mo	2,870,923.16	25,637	111.98	1.038
28 mo	2,642,154.38	23,735	111.32	1.032
29 mo	2,451,017.37	21,876	112.04	1.038
30 mo	2,283,616.69	20,535	111.21	1.031
31 mo	2,472,702.97	19,173	128.97	1.195
32 mo	2,287,005.25	18,006	127.01	1.177
33 mo	2,202,823.40	17,020	129.43	1.200
34 mo	1,918,042.58	16,202	118.38	1.097
35 mo	1,666,975.02	15,538	107.28	0.994
36 mo	1,581,155.83	14,808	106.78	0.990
1 yr	100,219,799.25	1,345,693	74.42	0.690
2 yr	63,674,850.86	590,153	107.90	1.000
3 yr	28,588,512.42	248,734	114.94	1.065
4 yr	13,335,218.17	122,266	109.07	1.011
5 yr	7,373,864.66	59,849	123.21	1.142
6 yr	3,702,667.30	26,037	142.21	1.318
7+ yr	2,711,597.22	23,146	117.15	1.086

TABLE A4--Continued

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Short; Preexisting: 12 mo.; Group Size: 10-14				
1 mo	\$ 4,980,620.92	105,883	\$ 47.04	0.399
2 mo	6,591,718.03	97,695	67.47	0.572
3 mo	6,853,603.68	89,649	76.45	0.649
4 mo	7,419,730.69	86,042	86.23	0.732
5 mo	6,715,410.81	81,428	82.47	0.700
6 mo	6,952,887.94	75,988	91.50	0.776
7 mo	6,771,465.20	70,170	96.50	0.819
8 mo	7,251,784.19	65,797	110.21	0.935
9 mo	6,653,051.38	60,705	109.60	0.930
10 mo	5,885,274.04	56,335	104.47	0.886
11 mo	5,723,328.28	51,472	111.19	0.943
12 mo	5,042,557.82	47,052	107.17	0.909
13 mo	4,334,361.48	40,142	107.98	0.916
14 mo	3,816,147.61	34,563	110.41	0.937
15 mo	3,394,565.07	30,565	111.06	0.942
16 mo	3,473,860.28	26,459	131.29	1.114
17 mo	2,822,394.29	23,802	118.58	1.006
18 mo	2,857,943.24	21,765	131.31	1.114
19 mo	2,357,096.10	19,139	123.16	1.045
20 mo	1,837,956.39	16,815	109.30	0.927
21 mo	1,369,670.52	14,884	92.02	0.781
22 mo	1,796,245.06	13,154	136.56	1.159
23 mo	1,775,970.63	12,629	140.63	1.193
24 mo	1,513,599.22	12,079	125.31	1.063
25 mo	1,868,272.33	10,891	171.54	1.456
26 mo	1,207,064.98	10,128	119.18	1.011
27 mo	1,595,642.10	9,591	166.37	1.412
28 mo	1,123,928.84	8,759	128.32	1.089
29 mo	1,275,958.78	8,315	153.45	1.302
30 mo	885,329.11	8,015	110.46	0.937
31 mo	1,194,481.08	7,492	159.43	1.353
32 mo	1,110,951.14	7,195	154.41	1.310
33 mo	1,306,570.49	6,795	192.28	1.631
34 mo	1,085,164.42	6,656	163.04	1.383
35 mo	854,168.73	6,437	132.70	1.126
36 mo	851,812.32	6,288	135.47	1.149
1 yr	76,841,432.98	888,216	86.51	0.734
2 yr	31,349,809.89	265,996	117.86	1.000
3 yr	14,359,344.32	96,562	148.71	1.262
4 yr	7,749,440.18	55,146	140.53	1.192
5 yr	4,759,154.80	30,856	154.24	1.309
6 yr	2,121,942.90	14,346	147.91	1.255
7+ yr	3,369,550.74	24,137	139.60	1.184

TABLE A4—Continued

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Short; Preexisting: 12 mo.; Group Size: 15-25				
1 mo	\$ 4,249,831.42	77,858	\$ 54.58	0.454
2 mo	6,204,150.03	73,323	84.61	0.704
3 mo	6,906,299.11	69,638	99.17	0.825
4 mo	6,624,891.83	66,851	99.10	0.824
5 mo	6,502,150.59	63,798	101.92	0.848
6 mo	5,814,691.73	60,584	95.98	0.798
7 mo	5,834,380.67	55,928	104.32	0.868
8 mo	5,704,280.88	52,068	109.55	0.911
9 mo	5,759,102.53	48,099	119.73	0.996
10 mo	4,976,158.00	42,554	116.94	0.973
11 mo	4,370,872.72	38,543	113.40	0.943
12 mo	3,916,189.69	34,603	113.17	0.942
13 mo	3,124,265.07	27,879	112.07	0.932
14 mo	2,720,418.29	23,197	117.27	0.976
15 mo	2,641,627.13	19,955	132.38	1.101
16 mo	1,880,756.77	17,216	109.24	0.909
17 mo	1,929,095.43	15,054	128.15	1.066
18 mo	1,491,008.73	13,730	108.59	0.903
19 mo	1,182,510.94	11,527	102.59	0.853
20 mo	1,174,670.22	10,252	114.58	0.953
21 mo	1,149,204.60	9,191	125.04	1.040
22 mo	1,228,534.53	8,509	144.38	1.201
23 mo	1,023,912.85	8,249	124.13	1.033
24 mo	1,199,523.07	7,835	153.10	1.274
25 mo	997,720.39	7,087	140.78	1.171
26 mo	1,122,159.10	7,055	159.06	1.323
27 mo	1,023,875.30	6,882	148.78	1.238
28 mo	898,939.29	6,469	138.96	1.156
29 mo	838,064.05	6,248	134.13	1.116
30 mo	879,529.15	6,311	139.36	1.159
31 mo	1,240,306.67	6,104	203.20	1.691
32 mo	951,863.57	5,823	163.47	1.360
33 mo	990,001.86	5,749	172.20	1.433
34 mo	714,116.37	5,706	125.15	1.041
35 mo	730,636.22	5,906	123.71	1.029
36 mo	928,709.41	5,935	156.48	1.302
1 yr	66,862,999.20	683,847	97.77	0.813
2 yr	20,745,527.63	172,594	120.20	1.000
3 yr	11,315,921.38	75,275	150.33	1.251
4 yr	8,839,048.15	51,210	172.60	1.436
5 yr	3,429,987.85	27,428	125.05	1.040
6 yr	2,125,733.78	12,741	166.84	1.388
7+ yr	4,173,596.41	24,252	172.09	1.432

TABLE A4—Continued

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Guaranteed Issue; Preexisting: 12 mo.; Group Size: 1				
1 mo	\$ 253.81	21	\$ 12.09	0.026
2 mo	198.01	1	198.01	0.424
3 mo	11,460.38	3	3,820.13	8.177
4 mo	4,212.16	3	1,404.05	3.005
5 mo	2,681.28	10	268.13	0.574
6 mo	1,502.48	7	214.64	0.459
7 mo	3,031.90	6	505.32	1.082
8 mo	2,788.36	8	348.55	0.746
9 mo	24,129.54	28	861.77	1.845
10 mo	28,384.80	25	1,135.39	2.430
11 mo	10,995.04	29	379.14	0.812
12 mo	10,771.28	29	371.42	0.795
13 mo	7,610.52	32	237.83	0.509
14 mo	12,251.30	32	382.85	0.820
15 mo	29,175.73	45	648.35	1.388
16 mo	4,230.92	39	108.49	0.232
17 mo	5,141.45	35	146.90	0.314
18 mo	13,854.46	34	407.48	0.872
19 mo	20,897.31	38	549.93	1.177
20 mo	40,776.90	34	1,199.32	2.567
21 mo	12,444.36	31	401.43	0.859
22 mo	3,164.20	31	102.07	0.218
23 mo	13,453.83	34	395.70	0.847
24 mo	32,277.09	33	978.09	2.094
25 mo	15,335.51	34	451.04	0.965
26 mo	42,321.85	44	961.86	2.059
27 mo	13,553.59	34	398.64	0.853
28 mo	3,707.40	31	119.59	0.256
29 mo	9,845.22	41	240.13	0.514
30 mo	7,595.55	36	210.99	0.452
31 mo	8,814.26	54	163.23	0.349
32 mo	10,430.54	71	146.91	0.314
33 mo	42,885.21	60	714.75	1.530
34 mo	23,707.22	71	333.90	0.715
35 mo	16,425.20	66	248.87	0.533
36 mo	263,061.42	65	4,047.10	8.663
1 yr	100,409.04	170	590.64	1.264
2 yr	195,278.07	418	467.17	1.000
3 yr	457,682.97	607	754.01	1.614
4 yr	350,964.53	717	489.49	1.048
5 yr	249,088.68	476	523.30	1.120
6 yr	171,068.97	244	701.10	1.501
7+ yr	61,733.05	113	546.31	1.169

TABLE A4—Continued

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Guaranteed Issue; Preexisting: 12 mo.; Group Size: 2-4				
1 mo	\$ 15,280.10	339	\$ 45.07	0.290
2 mo	59,008.21	433	136.28	0.878
3 mo	55,817.79	416	134.18	0.865
4 mo	49,444.81	472	104.76	0.675
5 mo	48,087.45	465	103.41	0.666
6 mo	139,332.35	473	294.57	1.898
7 mo	81,411.77	496	164.14	1.058
8 mo	28,512.16	498	57.25	0.369
9 mo	43,369.32	605	71.68	0.462
10 mo	83,329.90	634	131.44	0.847
11 mo	123,078.03	704	174.83	1.127
12 mo	93,474.09	749	124.80	0.804
13 mo	155,687.31	718	216.83	1.397
14 mo	129,714.07	700	185.31	1.194
15 mo	100,252.98	715	140.21	0.904
16 mo	105,030.18	696	150.91	0.972
17 mo	213,975.96	699	306.12	1.973
18 mo	104,874.26	659	159.14	1.026
19 mo	41,053.93	621	66.11	0.426
20 mo	102,721.75	710	144.68	0.932
21 mo	74,190.70	667	111.23	0.717
22 mo	113,244.17	654	173.16	1.116
23 mo	69,447.21	651	106.68	0.687
24 mo	52,976.56	650	81.50	0.525
25 mo	235,936.08	613	384.89	2.480
26 mo	91,703.04	575	159.48	1.028
27 mo	109,301.10	583	187.48	1.208
28 mo	96,120.91	581	165.44	1.066
29 mo	69,234.72	589	117.55	0.757
30 mo	328,011.00	591	555.01	3.577
31 mo	306,973.71	612	501.59	3.232
32 mo	323,068.90	631	512.00	3.299
33 mo	568,577.83	645	881.52	5.681
34 mo	85,148.31	713	119.42	0.770
35 mo	92,746.63	726	127.75	0.823
36 mo	69,030.18	740	93.28	0.601
1 yr	820,145.98	6,284	130.51	0.841
2 yr	1,263,169.08	8,140	155.18	1.000
3 yr	2,375,852.41	7,599	312.65	2.015
4 yr	1,249,760.08	8,204	152.34	0.982
5 yr	1,190,165.56	5,754	206.84	1.333
6 yr	551,478.01	3,014	182.97	1.179
7 + yr	107,627.64	852	126.32	0.814

TABLE A4—Continued

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Guaranteed Issue; Preexisting: 12 mo.; Group Size: 5-9				
1 mo	\$ 286,186.82	3,930	\$ 72.82	0.371
2 mo	300,522.21	4,354	69.02	0.351
3 mo	388,799.39	4,726	82.27	0.419
4 mo	362,246.59	4,857	74.58	0.380
5 mo	384,534.60	4,970	77.37	0.394
6 mo	428,008.06	5,063	84.54	0.430
7 mo	408,493.00	5,238	77.99	0.397
8 mo	487,893.34	5,214	93.57	0.476
9 mo	704,201.70	5,429	129.71	0.660
10 mo	618,512.27	5,417	114.18	0.581
11 mo	611,517.30	5,214	117.28	0.597
12 mo	520,472.66	5,181	100.46	0.511
13 mo	842,560.80	4,709	178.93	0.911
14 mo	675,594.42	4,486	150.60	0.767
15 mo	582,235.81	4,143	140.53	0.715
16 mo	665,649.07	3,872	171.91	0.875
17 mo	664,638.57	3,723	178.52	0.909
18 mo	686,209.18	3,539	193.90	0.987
19 mo	489,235.40	3,198	152.98	0.779
20 mo	512,017.96	3,203	159.86	0.814
21 mo	531,961.30	2,968	179.23	0.912
22 mo	715,966.80	2,870	249.47	1.270
23 mo	1,172,389.73	2,753	425.86	2.168
24 mo	731,368.66	2,629	278.19	1.416
25 mo	329,002.09	2,407	136.69	0.696
26 mo	327,675.72	2,323	141.06	0.718
27 mo	283,460.36	2,286	124.00	0.631
28 mo	309,235.76	2,268	136.35	0.694
29 mo	450,531.45	2,193	205.44	1.046
30 mo	491,444.49	2,131	230.62	1.174
31 mo	467,306.30	1,912	244.41	1.244
32 mo	320,767.86	1,893	169.45	0.862
33 mo	186,013.78	1,893	98.26	0.500
34 mo	219,202.94	1,917	114.35	0.582
35 mo	175,534.89	2,002	87.68	0.446
36 mo	247,012.19	2,017	122.47	0.623
1 yr	5,501,387.94	59,593	92.32	0.470
2 yr	8,269,827.70	42,093	196.47	1.000
3 yr	3,807,187.83	25,242	150.83	0.768
4 yr	3,740,261.75	23,174	161.40	0.822
5 yr	2,810,200.03	16,432	171.02	0.870
6 yr	1,580,775.65	9,267	170.58	0.868
7+ yr	440,640.10	3,430	128.47	0.654

TABLE A4—Continued

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Guaranteed Issue; Preexisting: 12 mo.; Group Size: 10-14				
1 mo	\$ 128,814.59	2,672	\$ 48.21	0.284
2 mo	159,386.75	2,923	54.53	0.322
3 mo	221,391.54	3,357	65.95	0.389
4 mo	268,122.09	3,475	77.16	0.455
5 mo	712,097.45	3,666	194.24	1.146
6 mo	549,312.10	3,845	142.86	0.843
7 mo	430,560.50	3,956	108.84	0.642
8 mo	345,673.96	4,078	84.77	0.500
9 mo	491,600.42	4,094	120.08	0.708
10 mo	601,082.08	4,092	146.89	0.867
11 mo	368,264.76	4,065	90.59	0.535
12 mo	461,398.37	4,017	114.86	0.678
13 mo	533,750.94	3,763	141.84	0.837
14 mo	580,787.37	3,554	163.42	0.964
15 mo	588,449.38	3,364	174.93	1.032
16 mo	526,613.46	3,254	161.84	0.955
17 mo	466,443.81	3,049	152.98	0.903
18 mo	442,700.58	2,745	161.28	0.952
19 mo	531,271.56	2,476	214.57	1.266
20 mo	463,242.75	2,313	200.28	1.182
21 mo	266,738.60	2,093	127.44	0.752
22 mo	282,566.85	1,818	155.43	0.917
23 mo	427,909.27	1,649	259.50	1.531
24 mo	241,663.26	1,501	161.00	0.950
25 mo	143,840.87	1,285	111.94	0.660
26 mo	146,832.94	1,279	114.80	0.677
27 mo	172,582.26	1,109	155.62	0.918
28 mo	189,660.15	1,128	168.14	0.992
29 mo	82,181.04	1,110	74.04	0.437
30 mo	150,111.94	1,061	141.48	0.835
31 mo	204,410.72	995	205.44	1.212
32 mo	202,560.59	960	211.00	1.245
33 mo	132,138.00	941	140.42	0.829
34 mo	148,956.20	894	166.62	0.983
35 mo	102,096.93	818	124.81	0.736
36 mo	92,361.67	815	113.33	0.669
1 yr	4,737,704.61	44,240	107.09	0.632
2 yr	5,352,137.83	31,579	169.48	1.000
3 yr	1,767,733.31	12,395	142.62	0.841
4 yr	1,282,940.76	8,331	154.00	0.909
5 yr	828,279.43	6,834	121.20	0.715
6 yr	435,967.78	3,473	125.53	0.741
7+ yr	154,828.44	1,523	101.66	0.600

TABLE A4—Continued

Duration	Adjusted Incurred Claims	Monthly Exposure	Adjusted Monthly Claim Cost	Durational Slope
Form: Guaranteed Issue; Preexisting: 12 mo.; Group Size: 15-25				
1 mo	\$ 93,819.05	945	\$ 99.28	0.583
2 mo	82,678.21	1,086	76.13	0.447
3 mo	80,769.82	1,274	63.40	0.372
4 mo	65,475.91	1,371	47.76	0.280
5 mo	211,322.78	1,520	139.03	0.816
6 mo	315,786.52	1,598	197.61	1.160
7 mo	101,851.86	1,653	61.62	0.362
8 mo	190,688.92	1,720	110.87	0.651
9 mo	161,737.03	1,775	91.12	0.535
10 mo	321,078.44	2,007	159.98	0.939
11 mo	233,537.98	2,061	113.31	0.665
12 mo	253,831.10	2,096	121.10	0.711
13 mo	197,395.84	2,194	89.97	0.528
14 mo	247,198.60	2,290	107.95	0.634
15 mo	686,204.91	2,187	313.77	1.842
16 mo	362,208.60	2,204	164.34	0.965
17 mo	367,486.59	2,146	171.24	1.005
18 mo	223,962.28	2,007	111.59	0.655
19 mo	210,933.01	1,751	120.46	0.707
20 mo	670,408.14	1,658	404.35	2.374
21 mo	351,749.40	1,515	232.18	1.363
22 mo	96,832.80	1,388	69.76	0.410
23 mo	150,718.88	1,177	128.05	0.752
24 mo	115,299.59	1,088	105.97	0.622
25 mo	60,118.42	919	65.42	0.384
26 mo	93,471.09	858	108.94	0.640
27 mo	162,214.99	827	196.15	1.151
28 mo	167,222.25	768	217.74	1.278
29 mo	63,274.45	717	88.25	0.518
30 mo	71,382.22	581	122.86	0.721
31 mo	70,979.47	423	167.80	0.985
32 mo	62,035.16	372	166.76	0.979
33 mo	23,472.95	335	70.07	0.411
34 mo	27,079.40	288	94.03	0.552
35 mo	42,279.54	269	157.17	0.923
36 mo	31,934.35	273	116.98	0.687
1 yr	2,112,577.62	19,106	110.57	0.649
2 yr	3,680,398.64	21,605	170.35	1.000
3 yr	875,464.29	6,630	132.05	0.775
4 yr	339,880.48	3,330	102.07	0.599
5 yr	599,472.18	4,357	137.59	0.808
6 yr	386,177.04	2,777	139.06	0.816
7+ yr	106,833.62	872	122.52	0.719

TASK FORCE REPORTS OF THE COMMITTEE ON VALUATION AND RELATED AREAS*

PREFACE

This section presents the five task force reports of the Committee on Valuation and Related Areas, as follows:

- I. C-1 Task Force† Report: “Bond and Mortgage Loan Default Experience” and “Real Estate Loss Experience,” by Irwin Vanderhoof, September 1987
- II. C-1 Task Force† Report: “A Cash-Flow Scenario Methodology for C-1 Risk: Preliminary Report,” by Joseph J. Buff, October 1987
- III. C-3 Task Force‡ Report: “Modeling the C-3 Risk,” by Stanley B. Tulin and Peter B. Deakins, September 1987
- IV. C-3 Task Force‡ Report: “The Impact on the C-3 Risk of Combining Lines of Business,” by Peter B. Deakins, January 25, 1988
- V. “Combination of Risks Task Force§ Report,” by Michael E. Mateja, April 1987.

Discussions of these reports as well as of any experience study are encouraged.

*Robert W. Stein (Chairperson), Donald D. Cody, Solomon Goldfinger, James C. Hickman, Robert D. Hogue, Donald M. Keith, W. James MacGinnitie, Michael E. Mateja, Daniel J. McCarthy, Carl R. Ohman, Robert D. Shapiro, Edward S. Silins, Stanley B. Tulin, and Irwin T. Vanderhoof.

†Irwin T. Vanderhoof (Chairperson), Faye Albert, Aaron Tenenbein, and Ralph F. Verni.

‡Stanley B. Tulin (Chairperson), Robert J. Matczak (Vice-Chairperson), Thomas A. Bickerstaff, Robert P. Clancy, Peter B. Deakins, J. Helmut Engels, James A. Geyer, Paul F. Kolkman, William H. Mawdsley III, Carl R. Ohman, Terrence M. Owens, James A. Tilley, and Michael R. Tuohy.

§Michael E. Mateja (Chairperson), William A. Carroll, James A. Geyer, Steven D. Meyers, Stephen L. Smith, and Donald R. Sondergeld.

