

Assurity Life Insurance Company

Home Office: P.O. Box 82533 Lincoln, Nebraska 68501-2533

Company NAIC No. 71439

Administrative Office: Post Office Box 4243

Woodland Hills, California 91365-4243

Actuarial Memorandum

January 2022

Long Term Care Insurance Policy

AL2100P-MD

Assurity Life Insurance Company is requesting a rate increase on the above listed long-term care (LTC) policy form. The Company issued this policy form in Maryland from 2007 to 2011. It provides benefits for confinement in a qualified Nursing Facility, Assisted Living Facility, or for Home and Community Based Care. The policy form is referred to as 'AL2100' in this memorandum. It is no longer being marketed in any state.

1. Purpose of Filing

This actuarial memorandum has been prepared for the purpose of demonstrating that the requested rate increase meets the minimum requirements of the 2014 National Association of Insurance Commissioners (NAIC) Long-Term Care Insurance Model Regulation and the applicable regulatory requirements of this jurisdiction. It may not be suitable for other purposes.

2. Scope of Filing

This filing applies to the Company's LTC policy form as specified above. This form provides daily benefits for qualified long-term care services in various settings, as summarized in Exhibit A, when the insured meets policy benefit qualification requirements.

The form included in this filing is an individual LTC policy that is guaranteed renewable for life, subject to the Company's right to change premium rates.

This policy form was issue age rated and fully underwritten. The issue ages were from 18 to 84 on an age nearest birthday basis. Strict underwriting criteria were administered with the use of various underwriting tools in addition to the application, which may have included medical records, an attending physician's statement, telephone interview and/or face-to-face assessment.

This policy form was marketed by individual insurance producers who primarily sell on an individual basis.

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The proposed rate increase applies to all inforce policies as this form is no longer being marketed. Paid-up policies will not receive a rate increase. All active 10-pay policies are paid-up, so 10-pay policies are excluded from this filing.

The number of policyholders and the annual inforce premium, as of December 2021, is displayed in Exhibit B. The exhibit also shows the average annual premium before and after the proposed rate increase.

3. Reason for the Increase

A rate increase is necessary at this time due to higher anticipated future and lifetime loss ratios. The higher loss ratios result from a combination of lower lapse, lower death, longer claim continuance, and lower investment earnings on the assets.

Assurity Life has been evaluating this block and updating assumptions based on the actual experience as well as the industry experience. For the policy form specified above, the projected experience is now worse than what original pricing assumptions were projecting. The combined effect of updating the lapse, mortality, and morbidity assumptions to better reflect the actual experience, as well as industry data, resulted in the need for a rate increase.

The current premium levels are inadequate. Therefore, the Company is requesting a rate increase to help alleviate the projected adverse performance on this block of business.

4. Requested Rate Increase

The Company is requesting the approval of the rate table shown in Exhibit C reflecting the following increases: Three-year phase-in flat increase of approximately 25% each year on the current base rates; this is approximately a cumulative 95.3% increase on the current base rates.

The increase does not vary by issue age or other policy characteristics. The new premium for any contract is equal to the product of the contract's current premium and one plus the base premium increase percentage. Paid-up policies will not be affected by the rate increase.

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Please see Exhibit C for rate tables reflecting the rate increase:

Exhibit C: AL2100 proposed rates

Please note that the actual rates implemented may vary slightly from those in the rate pages due to implementation rounding algorithms.

5. History of Previous Rate Revisions

No prior rate increase has been requested for this policy form.

6. Actuarial Assumptions

a. Interest

The maximum valuation interest rate applicable to the years of issue has been used for accumulating historical experience and for discounting projected future experience.

Maximum Valuation Interest Rate: 4%

b. Lapse

The current best estimate ultimate lapse rate is assumed to be 0.50%, formulated by analyzing the trend in lapse rates of later policy durations for the reinsurer's entire similarly underwritten and administered block of LTC policies. Exhibit D shows the reinsurer's actual to expected lapse experience by duration where the expected is based on current best estimate assumptions.

c. Mortality

The current best estimate mortality assumptions are also based on the reinsurer's combined experience. The attained age mortality is assumed to be 100% of the 2012 IAR Table, which consists of the 2012 IAM Period Table along with the use of Scale G2 to project future mortality improvements beyond 2012, with duration selection factors, varied by joint vs. single, shown in Exhibit E1. Mortality selection factors for Single grade from 20% to 100% over 15 years while selection factors for Joint grade from 20% to 100% over 19 years.

Exhibit E2 includes a comparison of actual deaths and expected deaths based on best estimate

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assumptions for the combined reinsurer's block of LTC policies.

d. Morbidity

The current best estimate morbidity assumptions are based on the experience of the reinsurer's entire similarly underwritten and administered block of LTC policies as well. Studies are performed for incidence, continuance, utilization, and recovery from claim data. Incidence rates by gender, marital status, and attained age have been developed.

Claim continuance rates are derived from reinsurer data that has been credibility blended with the latest industry data. Utilization factors are then applied to the claim costs, which are as follows: 85% for COLA reimbursement policies and 100% for non-COLA reimbursement policies. No underwriting selection durational factors or morbidity improvements are assumed in the projection.

Policy design features have been taken into consideration. Benefit provisions, elimination periods, benefit periods, number of units, benefit growth, etc. have been accounted for either in the development of claim costs or projection model formulas.

Exhibit F1 shows the best estimate incidence rates by gender and marital status. Exhibit F2 shows the best estimate claim continuance rates. Exhibit F3 shows the best estimate claim recovery rates.

Exhibits F4 and F5 contain the analysis of actual to expected incidence and termination respectively, with expected based on best estimate assumptions, for the combined reinsurer LTC blocks.

e. Expenses

Expenses have not been explicitly projected. It is assumed that the originally filed expense assumptions remain appropriate, except that commissions are not paid on the increased premium.

f. Rate Increase Impact on Policyholder Behavior

At the time of a rate increase, policyholders have the option to elect a Contingent Benefit Upon Lapse (CBUL) or reduced benefit options (RBO). An increase in morbidity for adverse selection due to the rate increase is also assumed based on the percentage of policyholders that elect CBUL and RBO.

Policyholders who elect a CBUL are modeled as a shock lapse. The shock lapse assumption represents policyholders who are assumed to drop their policies instead of accepting a rate increase. The RBO assumption represents policyholders who are assumed to choose to reduce benefits in order to offset all or some of the rate increase. The adverse selection associated with the requested increase is a function of

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CBUL and RBO election. The reasoning for a permanent shift in morbidity due to adverse selection is that the insureds remaining after the increase are those who choose to accept the rate increase (i.e., the insureds who think they will use the policy) and are a less healthy population (will use more benefits) than the pre-filing cohort. For those who lapse the policy, the assumption is that the insureds are healthier and less likely to need the policy as they do not value the policy enough to pay a higher premium.

The following provides approximate averages for these assumptions: 3% shock lapse, 11% RBO election rate, and 2% morbidity increase due to adverse selection.

The projections in Exhibit G assumes the 1st, 2nd, and 3rd phase increases are expected to occur in 2023, 2024, and 2025, respectively.

The above assumptions are based on the experience of policies issued by the Company, reinsurer and industry experience, and actuarial judgment. The best estimate assumptions reflect an estimate of the most likely outcome and do not include an explicit margin for conservatism.

7. Area Factors and Trend Assumptions

Area factors were not used in pricing for the above-listed policy form. As this is not medical insurance, an explicit medical cost trend is not included in the projections.

8. Reserves

Active life reserves have not been used in this rate increase analysis. Claim reserves as of December 31, 2021 have been discounted to the incurral date of each respective claim and included in historical incurred claims. Incurred but not reported reserve (IBNR) balances as of December 31, 2021 have been allocated to a calendar year of incurral and included in historical incurred claims. Paid claims have been discounted to the incurral date and included in historical incurred claims. Claim reserves are calculated for active and pending claimants as the present value of benefit payments discounted by interest and terminations. The IBNR is based on lag factors which are applied to the claim reserves and survivor payments based on the difference between the incurral date and the valuation date.

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9. Past and Future Policy Experience

Earned premiums and incurred claims for projection years 2022 through 2061 are developed from an active lives model representing actual contracts in force as of December 31, 2021. The best estimate assumptions described above for morbidity, voluntary lapse, and mortality are used to project earned premiums and incurred claims.

Nationwide historical experience and projections before and after the proposed rate increase are shown in Exhibit G.

Historical experience is shown by claim incurral year with the loss ratio for each loss year calculated by the following formula:

$$LR_j = \frac{\sum_{t=j}^{2021} Pmt_t^j \times v^{t-j} + {}_jCR_{2021} \times v^{2021-j+0.5} + {}_jIBNR_{2021} \times v^{2021-j+0.5}}{EP_j}$$

LR_j = loss ratio for year j

Pmt_t^j = claim payments in year t on claims incurred in year j , assumed to occur midyear

${}_jCR_{2021}$ = claim reserve held on December 31, 2021 for claims incurred in year j

${}_jIBNR_{2021}$ = incurred but not reported reserve as of December 31, 2021 attributable to claims incurred in year j

EP_j = earned premium in year j , assumed mid-year

j = year of incurral

$v = 1 / 1.04 = 0.961538$

Future anticipated loss ratio is calculated, with and without interest, as anticipated incurred claims divided by earned premiums. The lifetime loss ratio as of December 31, 2021 is calculated as the sum of accumulated past experience and discounted future experience where accumulation and discounting occur at the maximum valuation interest rate.

10. Analysis Performed

The originally approved premium schedule was based on pricing assumptions believed to be appropriate, given industry experience available when the originally approved rate schedule was developed. The original pricing assumptions for voluntary lapse, mortality, and claim costs were as follows:

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a. Original Pricing Ultimate Lapse

1.0%

b. Original Pricing Mortality

1994 GAM

c. Original Pricing Morbidity

Original pricing claim costs for skilled, intermediate, and Nursing Care Benefits are derived from The Reports of the Society of Actuaries based on the 1985 National Nursing Home Survey Utilization Data in Transactions, Society of Actuaries, 1988-89-90 Reports; and the Long Term Care Intercompany Study: 1984-1991 Experience in Transactions, Society of Actuaries, 1993-94 Reports. Claim costs factors shown in the original actuarial memorandum are applied to the inforce lives and represent the expected cost per life of incurred benefits.

Joint claim cost factors:

150% of the claim costs of the average of the individual claim costs

Underwriting selection factors:

35%, 40%, 45%, 50%, 60%, 80%, 90%, 100% durations 8 & later

d. Original Pricing Interest

5.5%

As part of the inforce management of the business, the reinsurer and administrator of the business monitor the performance of the business by completing periodic actual-to-expected analysis for voluntary lapse, mortality, claim incidence, and claim termination. The findings from these analyses were used in projecting the inforce business to determine the effect of experience on the projected lifetime loss ratio. An analysis of the projected lifetime loss ratio based on current best estimate assumptions compared to that assumed at the time of original pricing revealed that projected experience will deteriorate.

The best estimate assumptions used in this filing (described in Section 6) are based on actual inforce experience of the Company, experience of the reinsurer's similarly underwritten and administered LTC products, industry experience, and actuarial judgment. Actual persistency and claim continuance have been higher than what were

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assumed in the original pricing.

11. Loss Ratio Requirement Compliance Demonstration

Exhibit G shows nationwide actual and projected experience using current best estimate assumptions. Actual experience is provided from inception through 2021 and then projected on a seriatim basis for 40 years using the current assumptions described above in Section 6. Included in Exhibit G are calendar year earned premiums, incurred claims, annual loss ratios, and cumulative loss ratios. As shown in Exhibit G, the anticipated lifetime loss ratios with the requested rate increase exceed the minimum loss ratio required by pre-rate stability regulation.

Exhibit H1 provides a demonstration that the requested rate increase meets the 58%/85% minimum loss ratio test under moderately adverse conditions as required by post-rate stability regulation. As the original pricing lifetime loss ratio 61% exceeds 58%, an alternative 58%/85% minimum loss ratio test is provided in Exhibit H2. Exhibits H1 and H2 shows that the sum of the accumulated value of incurred claims without the inclusion of active life reserves, and the present value of projected incurred claims, without the inclusion of active life reserves, will not be less than the sum of the following.

- a. Accumulated value of the initial earned premium times 58% (or 61%),
- b. 85% of the accumulated value of prior premium rate schedule increases,
- c. Present value of future projected initial earned premium times 58% (or 61%), and
- d. 85% of the present value of future projected premium in excess of the projected initial earned premium.

12. Proposed Effective Date

The rate increase will apply to policies on their policy anniversary date following at least a 60-day policyholder notification period after approval.

13. Nationwide Distribution of Business as of December 31, 2021

As of December 31, 2021, the number of policies in force that will be affected by this increase is shown in Exhibit I1 (Nationwide) and Exhibit I2 (Maryland).

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Actuarial Certification

I am a Fellow of the Society of Actuaries and a Member of the American Academy of Actuaries; I meet the Academy's qualification standards for preparing health rate filings and am familiar with the requirements for filing long-term care insurance premium rate increases.

This memorandum has been prepared in conformity with all applicable Actuarial Standards of Practice, including ASOP No. 8 and No. 18.

The data used to develop this actuarial memorandum was provided by LifeCare Assurance Company, the administrator of the policies. I have reviewed the data for reasonableness.

To the best of my knowledge and judgment, I hereby certify that:

- this rate submission is in compliance with the applicable laws and regulations of the jurisdiction where it is filed;
- policy design, underwriting, and claims adjudication practices have been taken into consideration;
- the rates are not excessive or unfairly discriminatory and bear a reasonable relationship to the benefits based on the loss ratio standards of this jurisdiction;
- no further premium rate schedule rate increases are anticipated if the requested premium rate schedule increase is fully approved and implemented, and the underlying assumptions, with moderately adverse conditions, are realized; and
- the relationship between renewal premium rate schedules and new business premium rate schedules is not applicable because the company is no longer marketing new business in any state.



Phillip Oh, FSA, MAAA
Consulting Actuary
Date: January 3, 2023

Assurity Life Insurance Company
Policy Form: AL-2100

Exhibit A: Benefit Summary
(does not reflect state variations)

General Information	AL-2100
Available Coverage	Nursing Care or Home Health Care
Benefit Trigger	Medical Necessity, 2 of 6 ADL's, or Severe Cognitive Impairment
Benefit Pool	Yes
Underwriting classes	Preferred, Select, Standard, Substandard1, Substandard2
Employer/Association Group Discount	5% for all ages
Available Issue Ages	18 – 84 (age nearest birthday)
Maximum Daily Benefit Amount	\$40 to \$300 (\$10 increments)
Benefit Period	2 yrs, 3 yrs, 4 yrs, 5 yrs, 6 yrs, 10 yrs, Lifetime
Payment Options	10-Pay, 20-Pay, Lifetime
Elimination period	0, 30, 90, 180 days
Bed Reservation Benefit	Bed Reservation Benefit is payable up to 30 days per calendar year.
Respite Care	Respite Care benefit is payable up to 30 days per calendar year.
Alternative Plan of Care (APC)	The APC amount agreed upon by the insured, licensed health care practitioner and the company, divided by the daily benefit selected, equals the number of subsequent days for which additional benefits for HCBC (if selected) and FC will not be paid under the policy.
Optional Personal Care Advisor	Optional Personal Care Advisor, accessible through toll-free telephone number, is available to insured to provide assistance with any questions about their coverage. No benefits are deducted from the Benefit Amount for this service.
Optional Care Coordination	Optional Care Coordination, if after speaking with the Personal Care Advisor, the insured still requests additional care coordination, the company will arrange for a care coordinator to contact the insured. If the insured wishes, an RN will be available to assist with assessment and coordination of appropriate care and services. No benefits are deducted from the Benefit Amount for this service.
Waiver of Premium	Waiver of Premium Benefit is provided after confinement in a Long Term Care Facility for a period of 90 consecutive days.
Renewability	Guaranteed renewable for life

Riders/Endorsements	Description
Full Return of Premium Rider (ROP)	Upon the insured's death (second-to-die in the case of joint coverage) while the policy is in force the total of premiums paid, with no deduction for benefits paid, will be paid to the beneficiary. Not available with Optional Policy Surrender Rider.
Shortened Benefit Period Nonforfeiture (SBP)	This rider provides the nonforfeiture credit as adopted by the NAIC. If the policy has been in force for at least three years and lapses due to nonpayment of premiums, coverage will continue and benefits will be payable based on the daily benefits in effect on the date of lapse. No further benefit increases will occur under any Benefit Increase Rider, if attached to the policy. The Benefit Amount becomes equal to the greater of: (a) the total of premiums paid for the policy and riders; or (b) 30 times the daily benefit in effect on the date of lapse. Any benefits paid after lapse will be deducted from this new Benefit Amount. Not available with Optional Policy Surrender Rider.
Compound Benefit Increase Rider (CBI)	This rider increases the daily benefits and the remaining Benefit Amount by 5%, compounded annually. Increases are made regardless of claims status. Policy premiums may be payable on either the Standard Premium Payment or Step Rated Premium Payment Options. Step Rated Premium Payment Option is not available with the 10-pay or 20-pay premium options.
Simple Benefit Increase Rider (SBI)	This rider increases the daily benefits and the Benefit Amount annually by 5% of the dollar amounts originally issued. The remaining Benefit Amount will be increased by the same proportion as the increase in daily benefits. Increases are made regardless of claims status.
Facility Care and HCBC Indemnity Benefit Rider (IND)	This rider provides that all benefits covered under the policy will be payable on an indemnity basis at the full daily benefit selected, regardless of actual expenses incurred. This rider is not available with either the Monthly HCBC Benefit Rider or the Facility Care Only Indemnity Benefit Rider.
Facility Care Only Indemnity Benefit Rider (F-IND)	This rider provides that all benefits payable for Facility Care under the policy will be payable on an indemnity basis at the full daily benefit selected, regardless of actual expenses incurred. This rider is not available with the Facility Care and HCBC Indemnity Benefit Rider.
Monthly HCBC Benefit Rider (MTH)	This rider provides that benefits payable for HCBC under the policy will be payable on a monthly basis rather than a daily basis, times the actual number of days in that calendar month. Not available with the Facility Care and HCBC Indemnity Benefit Rider or the Facility Care Only Indemnity Benefit Rider. One of the benefit increase riders must also be selected.
Restoration of Benefits Rider (ROB)	If the policy remains in force and claims paid during a single claim period have not exceeded the Benefit Amount and the insured is not eligible for the payment of benefits for 180 consecutive days, the Benefit Amount payable will be restored. Restoration of Benefits is subject to a maximum of twice the Benefit Amount selected. Not available with Lifetime Benefit Period nor Shared Benefit Amount Rider.
HCBC Waiver of Premium Benefit Rider (WOP)	This rider waives premiums after 90 service days of HCBC. Premiums paid but not earned will be refunded on a pro-rata basis. Not available with Facility Care Only coverage.
First Day HCBC Benefit Rider (FDC)	This rider allows benefits to be paid on the first day of a claim for HCBC, regardless if a 30, 90 or 180 day elimination period is selected for FC. Not available with Facility Care Only coverage.
Shared Benefit Amount Rider (SBA)	This rider provides a shared third benefit pool on joint policies available to either or both insureds who have exhausted their benefit pool under the base policy. Not available with Lifetime Benefit Period nor with the Restoration of Benefits Rider.
Optional Policy Surrender Rider (OPS)	This rider provides a policy surrender option after the policy has been in force for at least five years, subject to prior claim payment or current claim considerations. The surrender value will be in the form of a lump sum payment equal to 80% of the total of premium paid for the policy and any attached riders, payable upon satisfactory evidence of insurability. If satisfactory evidence of insurability is not provided, the surrender value will be offered as a lifetime monthly income benefit, payable until the earlier of the insured's death (last death in the case of joint coverage) or 80% of the total of premiums paid for the policy and any attached riders has been paid. Not available with Full Return of Premium Rider nor with the Shortened Benefit Period Nonforfeiture Rider.

**Assurity Life Insurance Company
Rate Increase Impact Exhibit
Exhibit B**

Nationwide	AL-2100				
	Cost of Living Adjustment				
	5% Compound				
	None	5% Compound	Step Rate	Simple	Total
Number of Policies*	114	294	12	140	560
Current Premium	\$236,691	\$1,021,900	\$36,643	\$444,440	1,739,674
Current Average Premium	\$2,076	\$3,476	\$3,054	\$3,175	3,107
New Premium	\$462,288	\$1,995,898	\$71,568	\$868,047	3,397,801
New Average Premium	\$4,055	\$6,789	\$5,964	\$6,200	6,068
Average Rate Increase	95.31%	95.31%	95.31%	95.31%	95.31%

Maryland	AL-2100				
	Cost of Living Adjustment				
	5% Compound				
	None	5% Compound	Step Rate	Simple	Total
Number of Policies*	1	7	0	2	10
Current Premium	\$1,155	\$32,887	\$0	\$6,120	40,162
Current Average Premium	\$1,155	\$4,698	\$0	\$3,060	4,016
New Premium	\$2,256	\$64,232	\$0	\$11,953	78,441
New Average Premium	\$2,256	\$9,176	\$0	\$5,977	7,844
Average Rate Increase	95.31%	95.31%	0.00%	95.31%	95.31%

Nationwide	AL-2100		
	Payment Period		
	Lifetime Pay	20 Pay	Total
Number of Policies*	550	10	560
Current Premium	\$1,690,909	\$48,765	1,739,674
Current Average Premium	\$3,074	\$4,877	3,107
New Premium	\$3,302,556	\$95,245	3,397,801
New Average Premium	\$6,005	\$9,524	6,068
Average Rate Increase	95.31%	95.31%	95.31%

Maryland	AL-2100		
	Payment Period		
	Lifetime Pay	20 Pay	Total
Number of Policies*	8	2	10
Current Premium	\$24,956	\$15,206	40,162
Current Average Premium	\$3,119	\$7,603	4,016
New Premium	\$48,742	\$29,699	78,441
New Average Premium	\$6,093	\$14,850	7,844
Average Rate Increase	95.31%	95.31%	95.31%

*Please note that the number of policies in Exhibit B may differ from the number of policyholders listed on the SERFF Rate/Rule Schedule tab. This is because there are some joint policies, which consist of two policyholders under a single policy.

Assurity Life Insurance Company
Policy Form AL-2100

Exhibit C
Rates and Factors After Proposed Increase (3 Phases of 25% Each)
Individual / Standard Risk / Lifetime Benefit Period / 90 Day Elimination Period

Issue	ANNUAL RATES Standard Risk Class Per \$10 Daily Benefit						Benefit Increase Factors						Other Riders				
	Facility Care			Comprehensive Care			Lifetime Pay			Limited Pay			ROP	SBP	HCBC Waiver		
	1st Phase	2nd Phase	3rd Phase	1st Phase	2nd Phase	3rd Phase	5% Compound	5% Simple	5% Compound	5% Simple	10 Year	20 Year					
18	64.37	80.46	100.58	80.47	100.59	125.74	8.75	1.33	0.510	6.30	9.50	8.43	4.03	2.40	1.600	1.600	1.010
19	65.78	82.23	102.79	82.18	102.73	128.41	8.34	1.33	0.483	6.00	9.09	7.98	3.98	2.37	1.610	1.600	1.011
20	67.18	83.98	104.98	84.06	105.07	131.34	7.94	1.33	0.457	5.72	8.70	7.56	3.92	2.35	1.615	1.600	1.013
21	68.60	85.75	107.18	85.78	107.23	134.04	7.58	1.33	0.434	5.46	8.34	7.18	3.87	2.32	1.620	1.600	1.015
22	70.00	87.50	109.37	87.50	109.37	136.71	7.24	1.33	0.412	5.21	8.00	6.82	3.82	2.30	1.630	1.600	1.016
23	71.25	89.06	111.32	89.06	111.32	139.16	6.92	1.33	0.392	4.98	7.68	6.48	3.77	2.27	1.640	1.600	1.018
24	72.50	90.62	113.28	90.62	113.28	141.60	6.62	1.33	0.372	4.77	7.39	6.17	3.72	2.25	1.650	1.600	1.020
25	73.75	92.18	115.23	92.18	115.23	144.04	6.34	1.33	0.354	4.57	7.11	5.88	3.67	2.23	1.660	1.600	1.022
26	74.85	93.56	116.95	93.60	117.00	146.25	6.08	1.33	0.337	4.38	6.85	5.60	3.62	2.20	1.670	1.600	1.023
27	75.93	94.92	118.65	95.00	118.75	148.43	5.84	1.33	0.322	4.20	6.60	5.35	3.57	2.18	1.680	1.600	1.025
28	77.03	96.29	120.37	96.25	120.31	150.59	5.61	1.33	0.307	4.04	6.37	5.11	3.52	2.16	1.690	1.600	1.027
29	77.97	97.46	121.83	97.50	121.87	152.34	5.39	1.33	0.293	3.88	6.16	4.89	3.48	2.13	1.695	1.600	1.029
30	78.91	98.64	123.30	98.60	123.25	154.06	5.19	1.33	0.280	3.74	5.95	4.68	3.43	2.11	1.700	1.600	1.031
31	79.68	99.60	124.51	99.48	124.60	155.76	5.00	1.33	0.268	3.60	5.76	4.49	3.39	2.09	1.710	1.600	1.033
32	80.46	100.57	125.72	100.62	125.78	157.22	4.83	1.33	0.257	3.47	5.58	4.30	3.34	2.07	1.720	1.600	1.035
33	81.10	101.37	126.71	101.41	126.76	158.45	4.66	1.33	0.246	3.36	5.42	4.13	3.30	2.05	1.730	1.600	1.036
34	81.72	102.15	127.69	102.18	127.73	159.66	4.50	1.33	0.235	3.24	5.26	3.97	3.25	2.02	1.740	1.600	1.038
35	82.35	102.93	128.67	102.97	128.71	160.89	4.36	1.33	0.226	3.14	5.11	3.82	3.21	2.00	1.750	1.600	1.040
36	82.81	103.51	129.59	103.60	129.50	161.87	4.22	1.33	0.217	3.04	4.97	3.68	3.17	1.98	1.760	1.600	1.042
37	83.12	103.90	129.89	103.91	129.89	162.36	4.09	1.33	0.209	2.95	4.84	3.55	3.12	1.96	1.770	1.600	1.044
38	83.43	104.29	130.37	104.37	130.46	163.08	3.97	1.33	0.201	2.86	4.72	3.43	3.08	1.94	1.780	1.600	1.046
39	83.60	104.50	130.62	130.67	130.67	163.33	3.86	1.33	0.194	2.78	4.61	3.31	3.04	1.92	1.790	1.600	1.048
40	83.75	104.68	130.85	130.85	130.85	163.57	3.75	1.33	0.187	2.70	4.50	3.20	3.00	1.90	1.800	1.600	1.050
41	85.00	106.25	132.81	106.25	132.81	166.01	3.65	1.33	0.180	2.63	4.40	3.10	2.96	1.88	1.810	1.600	1.052
42	86.25	107.81	134.76	107.81	134.76	168.45	3.55	1.33	0.174	2.56	4.30	3.00	2.92	1.86	1.820	1.600	1.054
43	87.50	109.37	136.71	109.37	136.71	170.89	3.45	1.33	0.167	2.49	4.20	2.90	2.88	1.84	1.830	1.600	1.056
44	88.75	110.93	138.67	110.93	138.67	173.33	3.35	1.33	0.161	2.42	4.10	2.80	2.84	1.82	1.840	1.600	1.058
45	90.00	112.50	140.62	140.62	140.62	175.78	3.25	1.33	0.154	2.35	4.00	2.70	2.80	1.80	1.850	1.600	1.060
46	91.25	114.06	142.57	142.57	142.57	178.22	3.15	1.33	0.148	2.28	3.90	2.60	2.76	1.78	1.870	1.600	1.062
47	92.50	115.62	144.53	144.53	144.53	180.66	3.05	1.33	0.142	2.21	3.80	2.50	2.72	1.76	1.890	1.600	1.064
48	93.75	117.18	146.48	146.48	146.48	183.10	2.95	1.33	0.135	2.14	3.70	2.40	2.68	1.74	1.910	1.600	1.066
49	95.00	118.75	148.43	148.43	148.43	185.54	2.85	1.33	0.129	2.07	3.60	2.30	2.64	1.72	1.930	1.600	1.068
50	96.25	120.31	150.39	150.39	150.39	187.98	2.75	1.33	0.122	2.00	3.50	2.20	2.60	1.70	1.950	1.600	1.070
51	100.00	125.00	156.25	156.25	156.25	195.31	2.70	1.33	0.119	1.96	3.40	2.15	2.56	1.68	1.970	1.600	1.072
52	103.75	129.68	162.10	162.10	162.10	202.63	2.65	1.33	0.116	1.92	3.30	2.10	2.52	1.66	1.990	1.600	1.074
53	107.50	135.93	169.92	169.92	169.92	210.00	2.60	1.33	0.111	1.88	3.20	2.05	2.48	1.64	2.010	1.600	1.076
54	112.50	140.62	175.78	175.78	175.78	219.72	2.47	1.33	0.104	1.84	3.10	2.00	2.44	1.62	2.030	1.600	1.078
55	116.25	145.31	181.64	181.64	181.64	227.85	2.36	1.33	0.097	1.80	3.00	1.95	2.40	1.60	2.050	1.600	1.080
56	125.00	156.25	195.31	195.31	195.31	244.14	2.31	1.33	0.094	1.77	2.90	1.93	2.36	1.58	2.070	1.600	1.082
57	133.75	167.18	208.98	208.98	208.98	261.23	2.26	1.33	0.091	1.74	2.80	1.90	2.32	1.56	2.090	1.600	1.084
58	142.50	178.12	222.65	222.65	222.65	278.32	2.21	1.33	0.087	1.71	2.70	1.87	2.28	1.54	2.110	1.514	1.086
59	152.50	190.62	238.28	238.28	238.28	297.85	2.15	1.33	0.083	1.68	2.60	1.84	2.24	1.52	2.130	1.498	1.088
60	161.25	201.56	251.95	251.95	251.95	314.94	2.10	1.33	0.080	1.65	2.50	1.81	2.20	1.50	2.150	1.482	1.090
61	172.50	215.62	269.53	269.53	269.53	336.91	2.06	1.33	0.078	1.62	2.45	1.78	2.16	1.48	2.170	1.466	1.092
62	183.75	229.68	287.10	287.10	287.10	358.88	2.02	1.33	0.075	1.59	2.40	1.75	2.12	1.46	2.190	1.450	1.094
63	196.25	245.31	306.64	306.64	306.64	383.30	1.97	1.33	0.072	1.56	2.35	1.72	2.08	1.44	2.210	1.424	1.096
64	207.50	259.37	324.21	324.21	324.21	405.27	1.93	1.33	0.069	1.53	2.30	1.69	2.04	1.42	2.230	1.398	1.098
65	218.75	273.43	341.79	341.79	341.79	427.24	1.89	1.33	0.067	1.50	2.25	1.67	2.00	1.40	2.250	1.372	1.100
66	240.00	300.00	375.00	375.00	375.00	468.75	1.85	1.33	0.064	1.48	2.20	1.65	1.95	1.39	2.280	1.346	1.102
67	260.00	325.00	406.25	406.25	406.25	507.81	1.81	1.33	0.061	1.46	2.15	1.63	1.90	1.38	2.310	1.320	1.104
68	281.25	351.56	439.45	439.45	439.45	549.31	1.76	1.33	0.058	1.44	2.10	1.61	1.85	1.37	2.340	1.296	1.106
69	301.25	376.56	470.70	470.70	470.70	588.37	1.72	1.33	0.056	1.42	2.05	1.59	1.80	1.36	2.370	1.272	1.108
70	322.50	403.12	503.90	503.90	503.90	629.88	1.68	1.33	0.053	1.40	2.00	1.57	1.75	1.35	2.400	1.248	1.110
71	386.25	482.81	603.51	603.51	603.51	754.39	1.66	1.33	0.052	1.39	1.96	1.55	1.70	1.34	2.430	1.224	1.112
72	451.25	564.06	705.07	705.07	705.07	881.34	1.64	1.33	0.051	1.38	1.92	1.54	1.65	1.33	2.460	1.200	1.114
73	515.00	643.75	804.68	804.68	804.68	1,005.85	1.62	1.33	0.049	1.37	1.88	1.53	1.60	1.32	2.490	1.184	1.116
74	580.00	725.00	906.25	906.25	906.25	1,132.81	1.60	1.33	0.048	1.36	1.84	1.52	1.55	1.31	2.520	1.168	1.118
75	643.75	804.68	1,005.85	1,005.85	1,005.85	1,287.32	1.58	1.33	0.047	1.35	1.80	1.51	1.50	1.30	2.550	1.152	1.120
76	708.75	885.93	1,107.42	1,107.42	1,107.42	1,454.27	1.56	1.33	0.045	1.34	1.77	1.50	1.48	1.29	2.580	1.136	1.122
77	772.50	965.62	1,207.03	1,207.03	1,207.03	1,508.78	1.55	1.33	0.045								

**Assurity Life Insurance Company
 Combined Reinsurer Experience
 Exhibit D
 Lapse Actual to Expected (Best Estimate) Analysis**

Duration*	Exposure**	Lapses	Actual Lapse Rates	Best Estimate Lapse Rates	A/E
10	155,154	968	0.62%	0.50%	1.25
11	145,396	917	0.63%	0.50%	1.26
12	137,407	875	0.64%	0.50%	1.27
13	130,004	763	0.59%	0.50%	1.17
14	122,488	613	0.50%	0.50%	1.00
15	114,351	543	0.47%	0.50%	0.95
16	105,969	473	0.45%	0.50%	0.89
17	92,583	372	0.40%	0.50%	0.80
18	76,560	384	0.50%	0.50%	1.00
19	59,629	301	0.50%	0.50%	1.01
20	43,565	218	0.50%	0.50%	1.00
21	33,028	170	0.51%	0.50%	1.03
22	25,772	123	0.48%	0.50%	0.95
23	17,433	112	0.64%	0.50%	1.28
24	10,971	69	0.63%	0.50%	1.26
25	6,248	41	0.66%	0.50%	1.31
26	3,099	17	0.55%	0.50%	1.10
27	1,355	10	0.74%	0.50%	1.48
28	523	1	0.19%	0.50%	0.38
29	261	1	0.38%	0.50%	0.77
30	92	1	1.09%	0.50%	2.17
31	28	0	0.00%	0.50%	0.00
Average	1,281,917	6,972	0.54%	0.50%	1.09

* All Assurity policies are duration 10+

** Lifetime-pay & 20-pay policies only

Assurity Life Insurance Company
Policy Form: AL-2100
Exhibit E1
Mortality Selection Factors

Policy Duration	Selection Factors	
	Single	Joint
1	0.200	0.200
2	0.370	0.310
3	0.470	0.390
4	0.500	0.410
5	0.530	0.430
6	0.550	0.480
7	0.590	0.500
8	0.620	0.520
9	0.670	0.540
10	0.740	0.560
11	0.790	0.580
12	0.820	0.640
13	0.870	0.670
14	0.920	0.710
15	1.000	0.730
16	1.000	0.760
17	1.000	0.810
18	1.000	0.910
19	1.000	1.000
20+	1.000	1.000

**Assurity Life Insurance Company
 Combined Reinsurer Experience
 Exhibit E2
 Mortality A to E Analysis**

Attained Age	Single Lives Death Counts			Joint Lives Death Counts**			Total Death Counts		
	Actual	Expected*	A/E	Actual	Expected*	A/E	Actual	Expected*	A/E
<40	1	1	69%	1	3	37%	2	4	48%
40-44	2	4	55%	14	10	135%	16	14	114%
45-49	25	14	175%	52	40	128%	77	55	141%
50-54	63	58	109%	148	158	94%	211	215	98%
55-59	162	184	88%	443	481	92%	605	666	91%
60-64	375	486	77%	1,014	1,162	87%	1,389	1,648	84%
65-69	711	867	82%	1,537	1,868	82%	2,248	2,735	82%
70-74	1,033	1,133	91%	2,155	2,205	98%	3,188	3,338	96%
75-79	1,255	1,202	104%	2,224	2,004	111%	3,479	3,206	109%
80-84	1,275	1,096	116%	1,625	1,333	122%	2,900	2,429	119%
85-89	926	811	114%	806	595	135%	1,732	1,407	123%
90+	576	468	123%	231	170	136%	807	638	126%
Total	6,404	6,325	101%	10,250	10,030	102%	16,654	16,355	102%

* Expected - 100% of 2012 IAR mortality table with the mortality selection factors shown in Exhibit E1

** Joint lives - joint policy at issue

Assurity Life Insurance Company
Policy Form: AL-2100
Exhibit F1
Incidence Rates Per 100

Best Estimate						
Attained Age	Nursing Facility Care Incidence Rates				Incidence Rate Factors	
	Single Male	Single Female	Married Male	Married Female	Home and Community Based Care and Assisted Living Facility	Assisted Living Facility
40	0.0016	0.0015	0.0004	0.0003	1.550	0.300
41	0.0019	0.0017	0.0005	0.0004	1.550	0.300
42	0.0023	0.0020	0.0006	0.0005	1.550	0.300
43	0.0027	0.0024	0.0008	0.0006	1.550	0.300
44	0.0031	0.0029	0.0009	0.0007	1.550	0.300
45	0.0037	0.0034	0.0011	0.0009	1.550	0.300
46	0.0043	0.0040	0.0013	0.0011	1.550	0.300
47	0.0050	0.0048	0.0016	0.0013	1.550	0.300
48	0.0059	0.0056	0.0019	0.0016	1.550	0.300
49	0.0069	0.0067	0.0023	0.0020	1.550	0.300
50	0.0081	0.0079	0.0028	0.0024	1.550	0.300
51	0.0096	0.0094	0.0034	0.0029	1.550	0.300
52	0.0112	0.0111	0.0041	0.0036	1.550	0.300
53	0.0132	0.0132	0.0049	0.0043	1.550	0.300
54	0.0155	0.0156	0.0059	0.0053	1.550	0.300
55	0.0181	0.0185	0.0071	0.0064	1.550	0.300
56	0.0214	0.0220	0.0086	0.0079	1.550	0.300
57	0.0251	0.0261	0.0104	0.0096	1.550	0.300
58	0.0310	0.0324	0.0132	0.0123	1.436	0.290
59	0.0384	0.0406	0.0169	0.0159	1.311	0.290
60	0.0474	0.0505	0.0214	0.0203	1.206	0.280
61	0.0582	0.0627	0.0270	0.0259	1.111	0.270
62	0.0707	0.0768	0.0337	0.0327	1.045	0.270
63	0.0852	0.0934	0.0417	0.0409	0.969	0.260
64	0.1039	0.1149	0.0523	0.0517	0.872	0.260
65	0.1255	0.1401	0.0650	0.0649	0.795	0.250
66	0.1511	0.1702	0.0804	0.0812	0.728	0.240
67	0.1810	0.2058	0.0990	0.1010	0.671	0.240
68	0.2161	0.2480	0.1214	0.1251	0.613	0.230
69	0.2582	0.2990	0.1491	0.1552	0.555	0.230
70	0.3068	0.3585	0.1821	0.1915	0.507	0.220
71	0.3620	0.4269	0.2209	0.2346	0.470	0.220
72	0.4217	0.5019	0.2644	0.2837	0.452	0.210
73	0.4986	0.5988	0.3213	0.3483	0.425	0.210
74	0.5900	0.7150	0.3908	0.4279	0.397	0.200
75	0.6983	0.8541	0.4755	0.5259	0.369	0.200
76	0.8268	1.0205	0.5786	0.6465	0.341	0.190
77	0.9718	1.2105	0.6990	0.7890	0.323	0.190
78	1.1475	1.4426	0.8484	0.9674	0.305	0.190
79	1.3448	1.7061	1.0220	1.1771	0.297	0.180
80	1.5883	2.0334	1.2406	1.4434	0.279	0.180
81	1.8761	2.4239	1.5062	1.7703	0.261	0.170
82	2.1987	2.8668	1.8143	2.1541	0.253	0.170
83	2.6767	3.3665	2.2410	2.7070	0.235	0.170
84	3.1916	3.9559	2.7468	3.3211	0.227	0.160
85	3.7395	4.6271	3.3229	3.9827	0.219	0.160
86	4.2889	5.3353	3.9344	4.6458	0.212	0.150
87	4.8111	6.0364	4.5450	5.2599	0.204	0.150
88	5.2326	6.6271	5.0715	5.7174	0.196	0.150
89	5.5194	7.0495	5.4617	5.9417	0.188	0.140
90	5.9225	7.7277	5.9683	6.4251	0.180	0.140
91	6.2515	8.3074	6.3991	6.8276	0.182	0.140
92	6.6943	9.0377	6.9459	7.3542	0.174	0.130
93	7.1432	9.0997	7.5003	7.8880	0.166	0.130
94	7.5268	9.0764	7.4810	7.8677	0.169	0.130
95	7.5140	9.0609	7.4683	7.8543	0.171	0.130
96	7.5657	9.1232	7.5196	7.9083	0.163	0.120
97	7.5462	9.0997	7.5003	7.8880	0.166	0.120
98	7.5333	9.0841	7.4874	7.8745	0.168	0.120
99	7.5140	9.0609	7.4683	7.8543	0.171	0.110
100	7.4948	9.0377	7.4492	7.8342	0.174	0.110
101	7.4820	9.0224	7.4365	7.8209	0.176	0.110
102	7.4630	8.9994	7.4176	7.8010	0.179	0.110
103	7.4503	8.9842	7.4050	7.7878	0.181	0.100
104	7.4315	8.9614	7.3863	7.7680	0.184	0.100
105	7.4127	8.9387	7.3676	7.7484	0.187	0.100
106	7.4002	8.9237	7.3552	7.7354	0.189	0.100
107	7.3816	8.9012	7.3367	7.7159	0.192	0.100
108	7.3631	8.8789	7.3183	7.6965	0.195	0.100
109	7.3508	8.8641	7.3060	7.6837	0.197	0.100
110	7.3324	8.8419	7.2878	7.6645	0.200	0.100

Assurity Life Insurance Company
Policy Form: AL-2100
Exhibit F2
Claim Continuance*

Claim Continuance - Male								
Claim Months \\Attained Age	52	62	67	72	77	82	87	92
0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12	0.2682	0.2512	0.3530	0.3889	0.4357	0.4826	0.4841	0.4709
24	0.1973	0.1954	0.2638	0.2845	0.3098	0.3307	0.3157	0.2780
36	0.1645	0.1614	0.2027	0.2098	0.2189	0.2198	0.1963	0.1473
48	0.1360	0.1371	0.1618	0.1495	0.1481	0.1422	0.1117	0.0732
60	0.1227	0.1163	0.1240	0.1082	0.0993	0.0860	0.0596	0.0332
72	0.0979	0.0954	0.0975	0.0779	0.0657	0.0519	0.0357	0.0213
84	0.0771	0.0859	0.0717	0.0526	0.0434	0.0328	0.0196	0.0040
96	0.0743	0.0750	0.0560	0.0380	0.0279	0.0213	0.0132	0.0039
108	0.0712	0.0632	0.0499	0.0314	0.0173	0.0152	0.0044	0.0039
120	0.0707	0.0576	0.0384	0.0204	0.0124	0.0101	0.0011	0.0034
132	0.0596	0.0513	0.0307	0.0132	0.0063	0.0052	0.0011	0.0024
144	0.0471	0.0343	0.0208	0.0070	0.0040	0.0019	0.0009	0.0016
156	0.0468	0.0267	0.0141	0.0037	0.0024	0.0008	0.0004	0.0010
168	0.0468	0.0267	0.0134	0.0033	0.0003	0.0005	0.0002	0.0006
180	0.0467	0.0266	0.0054	0.0022	0.0002	0.0003	0.0001	0.0004
300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Claim Continuance - Female								
Claim Months \\Attained Age	52	62	67	72	77	82	87	92
0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12	0.2873	0.2477	0.3480	0.4583	0.5157	0.5779	0.6189	0.5840
24	0.2168	0.1867	0.2702	0.3674	0.4197	0.4627	0.4785	0.4197
36	0.1750	0.1519	0.2242	0.2973	0.3374	0.3579	0.3460	0.2576
48	0.1490	0.1258	0.1852	0.2380	0.2631	0.2683	0.2408	0.1670
60	0.1354	0.1014	0.1505	0.1883	0.1986	0.1920	0.1566	0.0945
72	0.1185	0.0897	0.1261	0.1505	0.1526	0.1363	0.1038	0.0583
84	0.1038	0.0730	0.1052	0.1186	0.1168	0.0991	0.0682	0.0320
96	0.0965	0.0672	0.0845	0.0926	0.0874	0.0698	0.0439	0.0158
108	0.0893	0.0598	0.0675	0.0716	0.0610	0.0501	0.0324	0.0104
120	0.0794	0.0492	0.0489	0.0539	0.0422	0.0353	0.0206	0.0044
132	0.0734	0.0391	0.0422	0.0426	0.0324	0.0233	0.0156	0.0023
144	0.0693	0.0311	0.0314	0.0363	0.0215	0.0149	0.0065	0.0001
156	0.0636	0.0105	0.0279	0.0228	0.0122	0.0085	0.0002	0.0001
168	0.0549	0.0075	0.0217	0.0132	0.0082	0.0069	0.0002	0.0000
180	0.0418	0.0075	0.0132	0.0056	0.0069	0.0046	0.0002	0.0000
300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

*claim continuance reflects total terminations from both death and recovery.

Assurity Life Insurance Company
Policy Form: AL-2100
Exhibit F3
Claim Recovery

Attained Age	Recovery Rates*
40	36.76%
45	29.22%
50	23.23%
55	18.47%
60	14.68%
65	11.67%
70	9.28%
75	7.38%
80	5.86%
85	4.66%
90	3.71%
95	2.95%
100	2.34%
105	1.86%
110	1.48%
115	1.18%
120+	0.00%

* Claim recovery is based on Lifetime Benefit Period policies.
The claim recovery rates are developed using a linear regression method.

**Combined Reinsurer Experience
Exhibit F4
Incidence A to E Analysis**

Attained Age	Single Male				Single Female			
	Exposure	Claim Count	Expected Claim Count	A/E	Exposure	Claim Count	Expected Claim Count	A/E
40-44	1,373	0	0	0%	1,700	0	0	0%
45-49	4,192	6	1	649%	6,477	9	2	598%
50-54	9,858	7	5	153%	18,707	24	9	255%
55-59	21,305	36	21	173%	45,893	71	50	143%
60-64	35,804	77	73	106%	85,058	218	197	110%
65-69	46,764	192	199	97%	116,663	584	579	101%
70-74	45,076	407	397	102%	117,133	1,233	1,241	99%
75-79	31,647	594	583	102%	87,505	2,011	1,995	101%
80-84	17,359	689	668	103%	52,140	2,573	2,535	101%
85-89	6,686	498	500	100%	22,845	2,094	2,148	97%
90+	1,752	206	198	104%	7,020	1,003	980	102%
Total	221,815	2,712	2,645	103%	561,141	9,820	9,737	101%

Attained Age	Married Male				Married Female			
	Exposure	Claim Count	Expected Claim Count	A/E	Exposure	Claim Count	Expected Claim Count	A/E
40-44	4,401	1	0	774%	7,848	6	0	2900%
45-49	14,952	5	1	473%	23,905	18	2	1148%
50-54	39,623	24	7	355%	58,441	49	10	512%
55-59	94,706	87	39	224%	125,352	127	51	249%
60-64	175,639	249	172	145%	206,425	311	207	150%
65-69	235,068	559	546	102%	240,263	600	591	102%
70-74	219,787	1,151	1,207	95%	200,665	1,157	1,210	96%
75-79	144,383	1,960	1,890	104%	122,637	1,828	1,829	100%
80-84	69,695	2,188	2,199	99%	56,809	2,139	2,072	103%
85-89	23,060	1,653	1,694	98%	17,578	1,369	1,400	98%
90+	2,166	279	248	113%	3,176	403	393	103%
Total	1,023,481	8,156	8,002	102%	1,063,099	8,007	7,765	103%

**Assurity Life Insurance Company
 Combined Reinsurer Experience
 Exhibit F5
 Claim Termination A to E Analysis**

Duration	Claim Exposure	Actual	Expected	A/E
1st quarter	2,116	552	676	82%
2nd quarter	5,215	806	720	112%
3rd quarter	4,439	397	421	94%
4th quarter	3,939	306	314	98%
2	13,877	3,288	3,458	95%
3	9,583	2,310	2,561	90%
4	6,542	2,058	1,955	105%
5	3,993	1,068	1,202	89%
6	2,605	632	740	85%
7	1,742	405	507	80%
8	1,179	274	321	85%
9	792	179	200	90%
10	540	125	159	79%
11	365	87	99	88%
12	245	65	88	74%
13	153	26	57	46%
14	101	54	27	200%
15	68	34	24	142%
16	48	22	9	232%
17	34	16	6	290%
18	22	11	2	516%
19	13	6	3	220%
20	9	4	2	194%
21	6	3	1	356%
Average	57,626	12,728	13,552	94%

Assurity Life Insurance Company
Nationwide Experience Projection
Policy Form: AL-2100
Exhibit G

Calendar Year	Before Proposed Rate Increase			With Proposed Rate Increase*			at: Year End 2021	4.00% Factor 1.0400
	Earned Premium	Incurred Claims	Loss Ratio	Earned Premium	Incurred Claims	Loss Ratio		
2007	34,953	0	0.0%	34,953	0	0.0%	14.5	1.7660
2008	502,759	0	0.0%	502,759	0	0.0%	13.5	1.6980
2009	901,957	0	0.0%	901,957	0	0.0%	12.5	1.6327
2010	1,540,274	0	0.0%	1,540,274	0	0.0%	11.5	1.5699
2011	2,121,255	0	0.0%	2,121,255	0	0.0%	10.5	1.5096
2012	2,072,467	0	0.0%	2,072,467	0	0.0%	9.5	1.4515
2013	2,047,269	0	0.0%	2,047,269	0	0.0%	8.5	1.3957
2014	1,935,872	7,724	0.4%	1,935,872	7,724	0.4%	7.5	1.3420
2015	1,954,192	0	0.0%	1,954,192	0	0.0%	6.5	1.2904
2016	1,871,853	223,216	11.9%	1,871,853	223,216	11.9%	5.5	1.2407
2017	1,994,771	0	0.0%	1,994,771	0	0.0%	4.5	1.1930
2018	1,887,827	358,266	19.0%	1,887,827	358,266	19.0%	3.5	1.1471
2019	1,908,783	54,427	2.9%	1,908,783	54,427	2.9%	2.5	1.1030
2020	1,819,719	544,483	29.9%	1,819,719	544,483	29.9%	1.5	1.0606
2021	1,794,343	317,127	17.7%	1,794,343	317,127	17.7%	0.5	1.0198
2022	1,758,548	659,633	37.5%	1,758,548	659,633	37.5%	-0.5	0.9806
2023	1,704,734	775,541	45.5%	2,006,514	750,439	37.4%	-1.5	0.9429
2024	1,648,606	905,033	54.9%	2,385,213	859,981	36.1%	-2.5	0.9066
2025	1,590,065	1,049,168	66.0%	2,836,728	982,325	34.6%	-3.5	0.8717
2026	1,529,103	1,207,864	79.0%	2,727,970	1,130,910	41.5%	-4.5	0.8382
2027	1,459,884	1,381,664	94.6%	2,604,480	1,293,637	49.7%	-5.5	0.8060
2028	1,387,401	1,568,475	113.1%	2,475,169	1,468,546	59.3%	-6.5	0.7750
2029	1,304,877	1,762,307	135.1%	2,327,943	1,650,029	70.9%	-7.5	0.7452
2030	1,229,328	1,962,291	159.6%	2,193,161	1,837,272	83.8%	-8.5	0.7165
2031	1,150,421	2,164,361	188.1%	2,052,389	2,026,468	98.7%	-9.5	0.6889
2032	1,078,767	2,362,284	219.0%	1,924,555	2,211,781	114.9%	-10.5	0.6624
2033	1,007,143	2,551,270	253.3%	1,796,775	2,388,727	132.9%	-11.5	0.6370
2034	935,492	2,725,625	291.4%	1,668,948	2,551,973	152.9%	-12.5	0.6125
2035	864,460	2,881,282	333.3%	1,542,226	2,697,712	174.9%	-13.5	0.5889
2036	794,560	3,011,509	379.0%	1,417,521	2,819,643	198.9%	-14.5	0.5663
2037	726,369	3,115,553	428.9%	1,295,866	2,917,058	225.1%	-15.5	0.5445
2038	660,358	3,187,063	482.6%	1,178,100	2,984,012	253.3%	-16.5	0.5235
2039	597,012	3,220,546	539.4%	1,065,089	3,015,362	283.1%	-17.5	0.5034
2040	536,675	3,218,010	599.6%	957,446	3,012,987	314.7%	-18.5	0.4840
2041	479,646	3,177,077	662.4%	855,703	2,974,662	347.6%	-19.5	0.4654
2042	426,195	3,098,691	727.1%	760,345	2,901,271	381.6%	-20.5	0.4475
2043	376,428	2,988,739	794.0%	671,560	2,798,323	416.7%	-21.5	0.4303
2044	330,511	2,850,092	862.3%	589,643	2,668,510	452.6%	-22.5	0.4138
2045	288,455	2,689,293	932.3%	514,612	2,517,956	489.3%	-23.5	0.3978
2046	250,210	2,512,167	1004.0%	446,383	2,352,114	526.9%	-24.5	0.3825
2047	215,706	2,320,229	1075.6%	384,827	2,172,405	564.5%	-25.5	0.3678
2048	184,833	2,117,449	1145.6%	329,747	1,982,544	601.2%	-26.5	0.3537
2049	157,442	1,909,698	1213.0%	280,882	1,788,030	636.6%	-27.5	0.3401
2050	133,372	1,702,209	1276.3%	237,940	1,593,759	669.8%	-28.5	0.3270
2051	112,394	1,500,279	1334.8%	200,514	1,404,694	700.5%	-29.5	0.3144
2052	94,261	1,306,676	1386.2%	168,165	1,223,426	727.5%	-30.5	0.3023
2053	78,723	1,126,609	1431.1%	140,444	1,054,831	751.1%	-31.5	0.2907
2054	65,505	962,705	1469.7%	116,863	901,370	771.3%	-32.5	0.2795
2055	54,323	816,744	1503.5%	96,913	764,708	789.1%	-33.5	0.2688
2056	44,932	689,315	1534.1%	80,160	645,398	805.1%	-34.5	0.2584
2057	37,088	576,696	1554.9%	66,166	539,955	816.1%	-35.5	0.2485
2058	30,559	480,195	1571.4%	54,519	449,601	824.7%	-36.5	0.2389
2059	25,172	400,532	1591.2%	44,908	375,014	835.1%	-37.5	0.2297
2060	20,712	336,076	1622.6%	36,951	314,664	851.6%	-38.5	0.2209
2061	17,033	284,660	1671.2%	30,387	266,524	877.1%	-39.5	0.2124
Past	24,388,295	1,505,242	6.2%	24,388,295	1,505,242	6.2%		
Future	25,387,301	73,555,611	289.7%	42,322,277	68,948,252	162.9%		
Lifetime	49,775,596	75,060,853	150.8%	66,710,573	70,453,495	105.6%		
Interest 4.00%								
Past w/ int	31,726,671	1,659,219	5.2%	31,726,671	1,659,219	5.2%		
Future w/ int	17,908,156	37,986,206	212.1%	29,117,059	35,641,627	122.4%		
Lifetime w/ int	49,634,827	39,645,425	79.9%	60,843,730	37,300,846	61.3%		

* Proposed rate increase: 3 Phases of 25.0% each; projection includes 3% shock lapse rate, 11% benefit reduction, and 2% of adverse selection.

Assurity Life Insurance Company
Demonstration that Lifetime Incurred Claims with Requested Rate Increases are
Not Less than Lifetime Earned Premium with Prescribed Factors
Policy Form: AL-2100
Exhibit H1

1 Accumulated value of initial earned premium	31,726,671	x	58%	18,401,469
2a Accumulated value of earned premium	31,726,671			
2b Accumulated value of prior premium rate schedule increases (2a-1)	-	x	85%	-
3 Present value of future projected initial earned premium	17,908,156	x	58%	10,386,730
4a Present value of future projected premium	29,117,059			
4b Present value of future projected premium in excess of the projected initial earned premiums (4a-3)	11,208,903	x	85%	9,527,568
5 Lifetime Earned Premium Times Prescribed Factor: Sum of 1, 2b, 3, and 4b				38,315,767
6a Accumulated value of incurred claims without the inclusion of active life reserves				1,659,219
6b Present value of future projected incurred claims without the inclusion of active life reserves				39,205,790
7 Lifetime Incurred Claims with Rate Increase: Sum 6a and 6b				40,865,009
				TRUE

Note: Present and accumulated values in the lifetime projections in this exhibit are determined at the maximum valuation interest rate of 4.0%

Assurity Life Insurance Company
Demonstration that Lifetime Incurred Claims with Requested Rate Increases are
Not Less than Lifetime Earned Premium with Prescribed Factors
Policy Form: AL-2100
Exhibit H2

1 Accumulated value of initial earned premium	31,726,671	x	61%	19,353,269
2a Accumulated value of earned premium	31,726,671			
2b Accumulated value of prior premium rate schedule increases (2a-1)	-	x	85%	-
3 Present value of future projected initial earned premium	17,908,156	x	61%	10,923,975
4a Present value of future projected premium	29,117,059			
4b Present value of future projected premium in excess of the projected initial earned premiums (4a-3)	11,208,903	x	85%	9,527,568
5 Lifetime Earned Premium Times Prescribed Factor: Sum of 1, 2b, 3, and 4b				39,804,812
6a Accumulated value of incurred claims without the inclusion of active life reserves				1,659,219
6b Present value of future projected incurred claims without the inclusion of active life reserves				39,205,790
7 Lifetime Incurred Claims with Rate Increase: Sum 6a and 6b				40,865,009
				TRUE

Note: Present and accumulated values in the lifetime projections in this exhibit are determined at the maximum valuation interest rate of 4.0%

Assurity Life Insurance Company
Policy Form: AL-2100
Exhibit II
Nationwide Policy and Premium Distribution

	Policies*	Premium	% of Policies	% of Premium
Base				
Comprehensive Care	498	1,593,315	89%	92%
Facility Only	62	146,359	11%	8%
Total	560	1,739,674	100%	100%
COLA Options				
No COLA	114	236,691	20%	14%
Compound COLA 5%	294	1,021,900	53%	59%
Step-Rated Compound COLA 5%	12	36,643	2%	2%
Simple COLA 5%	140	444,440	25%	26%
Total	560	1,739,674	100%	100%
Nonforfeiture Options				
None	530	1,627,662	95%	94%
Full Return of Premium	5	28,158	1%	2%
Shortened Benefit Period	1	4,771	0%	0%
Optional Surrender	24	79,083	4%	5%
Total	560	1,739,674	100%	100%
Pay Period				
Lifetime	550	1,690,909	98%	97%
20 Pay	10	48,765	2%	3%
Total	560	1,739,674	100%	100%
Joint/Single Life				
Joint	310	1,064,656	55%	61%
Single	250	675,018	45%	39%
Total	560	1,739,674	100%	100%
Billing Mode				
Annual	287	970,194	51%	56%
Semi-Annual	20	73,612	4%	4%
Quarterly	31	116,253	6%	7%
Monthly	222	579,615	40%	33%
Total	560	1,739,674	100%	100%
Elimination Period				
0 Day	5	18,044	1%	1%
30 Days	27	92,433	5%	5%
90 Days	492	1,527,810	88%	88%
180 Days	36	101,386	6%	6%
Total	560	1,739,674	100%	100%
Benefit Period (NH/HH)				
2 Year / 2 Year	15	34,239	3%	2%
3 Year / 3 Year	68	191,090	12%	11%
4 Year / 4 Year	22	55,224	4%	3%
5 Year / 5 Year	62	190,907	11%	11%
6 Year / 6 Year	16	42,897	3%	2%
10 Year / 10 Year	17	67,133	3%	4%
Lifetime / Lifetime	360	1,158,185	64%	67%
Total	560	1,739,674	100%	100%
Issue Age Cohort				
20-29	1	711	0%	0%
30-39	7	15,855	1%	1%
40-49	29	65,570	5%	4%
50-59	217	584,125	39%	34%
60-69	276	946,586	49%	54%
70-79	28	118,856	5%	7%
80-89	2	7,970	0%	0%
Total	560	1,739,674	100%	100%

*Please note that the number of policies in this exhibit may differ from the number of policyholders listed on the SERFF Rate/Rule Schedule tab. This is because there are some joint policies, which consist of two policyholders under a single policy.

Assurity Life Insurance Company
Policy Form: AL-2100
Exhibit I2
Maryland Policy and Premium Distribution

	Policies*	Premium	% of Policies	% of Premium
Base				
Comprehensive Care	10	40,162	100%	100%
Facility Only	0	0	0%	0%
Total	10	40,162	100%	100%
COLA Options				
No COLA	1	1,155	10%	3%
Compound COLA 5%	7	32,887	70%	82%
Compound COLA 5%	0	0	0%	0%
Simple COLA 5%	2	6,120	20%	15%
Total	10	40,162	100%	100%
Nonforfeiture Options				
None	8	31,048	80%	77%
Full Return of Premium	0	0	0%	0%
Shortened Benefit Period	0	0	0%	0%
Optional Surrender	2	9,114	20%	23%
Total	10	40,162	100%	100%
Pay Period				
Lifetime	8	24,956	80%	62%
20 Pay	2	15,206	20%	38%
Total	10	40,162	100%	100%
Joint/Single Life				
Joint	6	26,972	60%	67%
Single	4	13,190	40%	33%
Total	10	40,162	100%	100%
Billing Mode				
Annual	4	15,996	40%	40%
Semi-Annual	0	0	0%	0%
Quarterly	0	0	0%	0%
Monthly	6	24,165	60%	60%
Total	10	40,162	100%	100%
Elimination Period				
0 Day	0	0	0%	0%
30 Days	0	0	0%	0%
90 Days	9	34,434	90%	86%
180 Days	1	5,728	10%	14%
Total	10	40,162	100%	100%
Benefit Period (NH/HH)				
2 Year / 2 Year	0	0	0%	0%
3 Year / 3 Year	0	0	0%	0%
4 Year / 4 Year	0	0	0%	0%
5 Year / 5 Year	5	18,213	50%	45%
6 Year / 6 Year	0	0	0%	0%
10 Year / 10 Year	2	9,801	20%	24%
Lifetime / Lifetime	3	12,147	30%	30%
Total	10	40,162	100%	100%
Issue Age Cohort				
20-29	0	0	0%	0%
30-39	0	0	0%	0%
40-49	2	12,414	20%	31%
50-59	6	17,947	60%	45%
60-69	2	9,801	20%	24%
70-79	0	0	0%	0%
80-89	0	0	0%	0%
Total	10	40,162	100%	100%

*Please note that the number of policies in this exhibit may differ from the number of policyholders listed on the SERFF Rate/Rule Schedule tab. This is because there are some joint policies, which consist of two policyholders under a single policy.