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Actuarial Memorandum

Policy Forms:

**TLC 1-FP (MD) 402, TOL 1-FP (MD) 402 and LI 1-FP (MD) 402 as TLIC
UniProduct Series;**

MLC 1-FP (MD) 402 as TPLIC UniProduct Series

Long Term Care Coverage

1) Scope and Purpose

This rate filing is a request for an increase in premium, effective upon approval by the state, on the base policy or certificate and all associated riders for all policies (and certificates as applicable).

The actuarial justified rate increase based on current experience is 291.7%. However, the company is limiting its actual rate increase request to a lesser amount as described in detail below.

The Blended If-Knew / Make-Up Approach (Minnesota method) requested rate increase is 156.48%, effective upon approval by the state, on the base policy and all associated riders for all premium paying policies regardless of application date or issue date.

This rate filing is a request for a 156.48%, increase in premium, effective upon approval by the state, on the base policy and all associated riders for all premium paying policies regardless of application date or issue date. This increase is needed due to claim levels that produce higher than expected lifetime loss ratios. If the requested rate increase is approved and implemented as proposed, the Company does not expect to request additional rate increases based on current expectations of future experience. If actual future experience were to deteriorate further, additional rate action may become necessary even if the requested rate increase is approved and implemented as proposed.

The requested rate increase will be implemented upon approval but would not become effective for any given policyholder until all statutory requirements are satisfied, and if applicable, a period of one year has elapsed since the effective date of the previously approved rate increase.

The purpose of this memorandum is to file revised premium rates and demonstrate that the anticipated loss ratio meets the minimum requirements of this state. This memorandum is not to be used for other purposes.

Benefit Reduction and Cost Sharing Option (with Rate Guarantee)

The Company would also like to make available to all policyholders a Benefit Reduction and Cost Sharing option to help the customer avoid some or all of the cost of the premium rate increase and receive a premium rate guarantee for a set number of years as outlined in Appendix A. The Company is filing a Benefit Reduction and Cost Sharing Endorsement that will be issued to the policyholder if they choose this option.

The Benefit Reduction and Cost Sharing option affects both:

- 1) The policy benefit limits available under the policy (by reducing all of the policy benefit limits available by the Cost Sharing Percentage), and
- 2) Amounts that the policyholder holder and the Company are responsible for with respect to each claim (by reducing the amounts that the Company will pay for claims by the Cost Sharing Percentage). If inflation protection coverage is included in the policy, all future benefit amount increases will be based on the new revised benefit amounts. The Benefit Reduction and Cost Sharing option also applies to all policy benefit provisions, including any benefit provision added by rider or endorsement. The Benefit Reduction and Cost Sharing option also applies to benefits for covered care or services received by another covered person who is covered under the policy.

Benefit Reduction and Cost Sharing percentages were determined to be actuarially equivalent to the requested rate increase – which includes the cost of the Rate Guarantee. Policyholders selecting the Benefit Reduction and Cost Sharing option will generally be able to completely or partially offset the requested rate increase and receive the Rate Guarantee. Some policyholders electing the Benefit Reduction and Cost Sharing option may not be able to completely offset the requested rate increase but would be able to mitigate it. The Benefit Reduction and Cost Sharing percentages are shown in Appendix A.

Policyholders who elect the Benefit Reduction and Cost Sharing Option may still be subject to future rate increases after the Rate Guarantee period has expired if additional rate increases become justified due to further deterioration of experience not currently anticipated.

Buyback Offer

This filing is also a request to allow the Company to offer policyholders the option to cancel their long-term care insurance policy in exchange for a one-time, lump-sum, policy cancellation payment in an amount to be determined based on the formula set forth below. The policyholder will be given the option to cancel their policy as an alternative to the premium increase.

The policy cancellation payment amount will be the greater of:

- X% of Transamerica's estimate of the Value of the policy, and
- \$2,000

Transamerica's estimate of the Value of the policy is based on the gross premium reserve (present value of future benefits and expenses less the present value of future premiums) utilizing the Company's best estimate assumptions as of the close of the third quarter of 2020. More details about the buyback offer are displayed in Appendix B.

The buyback will be offered to both premium paying policies as well as active paid-up policies that are not in a Contingent Non-Forfeiture status.

2) **Benefits ***

Base Benefits

A. Nursing Home Benefit

Once the Elimination period has been met, the actual charges incurred for each day the Insured Person is confined to a Nursing Home will be paid, up to the Maximum Daily Benefit.

B. Assisted Living Facility Benefit

The actual charges for room and board and necessary maintenance and personal care expenses incurred for each day the Insured Person is confined to an Assisted Living Facility, up to the Maximum Daily Benefit, will be paid if treatment and/or services are received from a licensed, registered or certified Assisted Living Facility.

C. Home Health Care and Adult Day Care Benefit

The actual charges incurred for each day the Insured Person receives Home Health Care and Adult Day Care, up to the Maximum Daily Professional Services Benefit or the Maximum Daily Basic Services Benefit (whichever is applicable), will be paid.

D. Waiver of Premium

Premiums will be waived on a monthly basis once the Elimination Period has been met and while the Insured Person is receiving Nursing Home, Assisted Living Facility, Home Health Care or Adult Day Care benefits, or the Alternate Payment Benefit.

* This is not intended to be a comprehensive listing of all benefits available.

Optional Benefits

A. Additional Inflation optional benefits that were available:

Simple Benefit Increase Option, Compound Benefit Increase Option, Step Rated Compound Benefit Increase Option, Deferred Benefit Increase Option, Guaranteed Purchase Option

B. Additional Optional Benefits that were available:

Prescription Drug Benefit in a Nursing Home, Ambulance Benefit, Monthly Home Care Benefit, Professional Services Benefit at 2 times Basic Services, Nursing Home Indemnity Payment Option, Full Restoration of Benefits, Joint Waiver of Premium Benefit, Survivorship –Waiver of Premium, Spouse Survivorship –Waiver of Premium, Return of Premium Benefit, Full Return Of Premium Benefit, Non-forfeiture Benefit, Patient Advocacy and Medication Management Benefit

3) Renewability

These policy forms are guaranteed renewable for life, subject to the company's right to change premium rates.

4) Applicability

This filing applies to inforce insureds only, as these forms are no longer actively being sold. The premium change will be applicable to the base forms and to all riders associated with the base forms.

5) Morbidity

Morbidity assumptions are developed using internal company experience looking across multiple variables. The assumptions for incidence, recovery, on-claim mortality, utilization, and transition generally vary on variables such as marital status, gender, implied elimination period, benefit period, benefit package, policy inflation option, issue age, attained age, issue year, and calendar year.

6) Off-Claim Mortality

Off-claim, or active life, mortality assumptions are developed using internal company experience and vary based on attained age, issue year, gender and marital status. The rates are further adjusted by 15 years of improvement factors that vary by gender.

7) Persistency

Voluntary lapse rates are based on Company experience and vary by duration, issue age, marital status, service group, and policy inflation option.

8) Expenses

Expenses have not been explicitly projected. It is assumed that the originally filed expense assumptions remain appropriate.

9) Marketing

These policy forms were marketed by agents to individuals 18 years and older. In addition, employers, associations, or affinity groups were accepted for group sponsored rates under this individual policy.

10) Policy Design

Policy design features have been taken into consideration. Benefit provisions, exclusions, 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.

11) Underwriting

These policy forms were underwritten 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.

12) Claims Adjudication Practice

No significant changes to the standard operating practices of the Claims Department have been necessary to date nor are any changes expected to be necessary in the future. The claims adjudication staff has maintained a consistently high degree of expertise, experience, and performance over the life of these policy forms and this is expected to continue in the future. Therefore, special adjustments due to claims adjudication practice have not been incorporated into the projection.

13) Premiums

Premiums vary based on original issue age, rate class, and benefit options selected.

14) Issue Age Range

Applicants age 18 years and older were eligible for all elimination periods and benefit periods.

15) Area Factors

Area factors are not used for these products.

16) Average Annual Premium

Nationwide Before increase: \$2,091.
Nationwide After 156.48% Increase: \$5,363.

17) Premium Modalization Rules

Modal factors which are applied to the annual premium are no greater than as follows:

Annual	1.000
Semi-annual	.520
Quarterly	.265
Monthly	.090

18) Claim Liability and Reserve

The claim reserves underlying the incurred claims in the projection are consistent with the reserves reported in Exhibits 6 and 8 of the Company’s financial statement. The present value of amounts not yet due (Exhibit 6) is calculated for all open claims using termination rates derived from company experience. The resulting reserve is adjusted by factors based on age at incurral, gender, and benefit period developed from company experience. The interest rate varies by year of incurral. The incurred but not reported and in course of settlement reserves (Exhibit 8) are calculated based on the development of incurred claims by month of incurral, based on internal Company data.

19) Active Life Reserve

Active life reserves have not been used in this rate filing to demonstrate compliance with the minimum loss ratio requirement. The inclusion of active life reserves would result in a larger justifiable rate increase based on loss ratios and actual-to-expected projections.

20) Trend Assumptions

As this is not medical insurance, we have not included any explicit medical cost trends in the projections.

21) Anticipated Loss Ratio

The anticipated lifetime loss ratio for this book of business is shown in Exhibit I.

22) Distribution of Business

See Attachment A.

24) Experience on the Form

See Exhibit I for nationwide calendar year historical experience through December 31, 2021, as well as projected experience thereafter both with and without the proposed rate increase where all policyholders are assumed to pay the increase under the 'with proposed rate increase' scenario. The enclosed Exhibit I shows that the 58/85 test is satisfied.

See Exhibit II for nationwide actual-to-expected experience by duration where 'actual' experience includes historical experience through December 31, 2021. Historical Incurred Claims reflect claim payment runoff through March 31, 2022, plus the claim reserve estimate as of March 31, 2022 (as described in Section 18 above).

The projections on the policy forms assume best estimate assumptions, which were developed in 2022Q2, which do not include any margins for adverse deviation. However, we are assuming no morbidity improvement.

25) History of Rate Adjustments

For the TLIC policy series, Maryland approved a 15% rate increase in 2017 and a rate increase of two annual steps of 15% for policies with benefit periods of 3 or greater and issue ages 68 and under in 2020. The rate increases were implemented in 2018, 2021, and 2022, respectively.

For the TPLIC policy series, no rate increase has previously been applied to the premium rate schedule.

26) Number of Policyholders

As of December 31, 2021, the number of policies that will be affected by this increase is:

	Active Insureds	Annualized Premium
Maryland		
Subject to Increase	188	\$378,864
Buyback Offer Only (Paid Up)	12	
Nationwide		
Subject to Increase	20,610	\$43,098,053
Buyback Offer Only (Paid Up)	1,897	

27) Proposed Effective Date

The proposed rate increase will be implemented following approval and after fulfillment of all statutory and contractual requirements. The increase for any policyholder will not become effective until a period of one year has elapsed since the previously approved rate increase effective date if applicable.

28) Actuarial Certification

I certify that to the best of my knowledge and judgment, the entire rate filing is in compliance with the applicable laws of this state and with the rules of the Department of Insurance and complies with Actuarial Standard of Practice No 8. I certify that benefits are reasonable in relation to premium at the requested rate schedule. If the requested increase is implemented and the underlying assumptions are realized, no further premium rate schedule increases are anticipated. However, going forward, the Company will continue to monitor the experience of this block and reserves the right to take additional rate action if currently unanticipated future deterioration thereof justifies.

I certify that to the best of my knowledge and judgment, the entire rate filing is in compliance with the applicable laws of this state and with the rules of the Department of Insurance and complies with Actuarial Standard of Practice No 8.



Brad Rokosh, ASA, MAAA
Senior Director | Financial Assets | LTC

January 24, 2023

Attachment A

Distribution of Business
Policies of All Benefit Periods Combined

By Issue Age

0 to 59	51.8%
60 to 64	26.1%
65 to 69	15.3%
70 to 74	5.7%
75 to 79	1.0%
80 to 84	0.1%
85 +	0.0%

By Elimination Period

0 day	20 day	30 day	60 day	90 day	> 90 days
1.5%	1.1%	2.6%	8.3%	84.0%	2.5%

By Maximum Benefit Option

≤ 2 Yr	4 Yr	≥ 6 Yr*
31.0%	41.4%	27.6%

* Including Unlimited.

Appendix A

Benefit Reduction and Cost Sharing Option

The Benefit Reduction and Cost Sharing Endorsement (the "Endorsement") consists of three components:

1. Reduction to all policy benefit amounts, including but not limited to the Maximum Daily Benefit, Maximum Monthly Benefit and the policy Maximum Amount

All policy benefit amounts (including, but not limited to, all Maximum Daily/Monthly Benefit amounts and the policy Maximum Amount) in effect immediately prior to the Endorsement effective date will be reduced by an amount equal to the Cost Sharing Percentage as shown below.

For example:

If the policy Maximum Amount is \$100,000 and the Cost Sharing Percentage is 20%, the policy Maximum Amount will be reduced to \$80,000. The Company will not be responsible for any costs that exceed the reduced policy Maximum Amount.

If the Maximum Daily Benefit amount is \$100, and the Cost Sharing Percentage is 20%, the Maximum Daily Benefit amount will be reduced to \$80. The Company will not be responsible for any daily costs that exceed the reduced Maximum Daily Benefit.

The dollar amount and percentages used in these examples may be different from the actual dollar amounts and percentages that apply to the policy.

2. Application of Cost Sharing to Claim Payments

As long as all policy provisions and conditions are satisfied, for any benefit for which a claim is made under the policy, the Company will pay its Cost Sharing Percentage of such benefit, but the Company will pay no more than the applicable Maximum Daily/Monthly Benefit amounts as shown on the Endorsement. The policyholder holder will be responsible for paying the remaining portion of the applicable long term care expenses associated with such claim. Note that only amounts paid by the Company will be deducted from the revised policy Maximum Amount.

For example: If the revised Maximum Daily Benefit for a covered Long Term Care Facility is \$80 and the Company's Cost Sharing Percentage is 80%, the Company will pay 80% of the Long Term Care Facility charges, but no more than \$80. Using the same formula:

- If the Long Term Care Facility charges are \$80, the Company will pay \$64 and the policyholder holder will be responsible for \$16.
- If the Long Term Care Facility charges are \$100, the Company will pay \$80 and the policyholder holder will be responsible for \$20.
- If the Long Term Care Facility charges are \$200, the Company will pay \$80 and the policyholder holder will be responsible for \$120.

3. Rate Guarantee

Premium rates for the policy will be guaranteed from the effective date of the Endorsement for 5 years. The policy will be excluded from any future increases until after the Rate Guarantee has expired. Any benefits added to the policy after the effective date of the Endorsement will not be covered by the Rate Guarantee.

See "Appendix A: Cost Sharing Percentages Table" for the Benefit Reduction and Cost Sharing Agreement Percentages by Company (or Former Company), Benefit Increase Option, and Benefit Period.

Appendix A

Appendix A: Cost Sharing Percentages Table

Benefit Increase Option	Cost Sharing%	Required Remaining RINC
No BIO	30%	107.9%
Simple BIO	25%	
Compound 3 BIO	30%	61.6%
Compound 5 BIO	30%	17.0%

Appendix B

In conjunction with the pending rate increase filing, Transamerica would like to offer policyholders the option to cancel their long-term care insurance policy in exchange for a one-time, lump-sum, policy cancellation payment in an amount to be determined based on the formula set forth below. The policyholder will be given the option to cancel their policy as an alternative to the premium increase. The idea behind the policy cancellation is to provide policyholders with an additional choice, which is different from the range of benefit reduction options that is routinely offered in connection with premium increases. All of the available options – including the policy cancellation offer and benefit reduction options – will be explained more fully in the rate increase notification package. Any policyholder who expresses interest in the policy cancellation offer will also receive a policy cancellation agreement (included with this filing) that the policyholder will be required to sign and return before the policy is cancelled and the policy cancellation payment is issued to the policyholder.

The policyholder will be advised that they do not have to cancel their policy and that they should carefully consider whether or not it is the right option for them. The policyholder will be advised that if they choose to cancel their policy, it will terminate and they will not be able to reinstate it under any circumstances. Once the policyholder completes the policy cancellation there will never be any benefits available – including, for example, any return of premium benefit. We will strongly encourage the policyholder to consult with their family members and tax, legal and financial advisors before making the decision on whether or not to cancel their policy.

The policy cancellation payment amount will be the greater of:

- X% of Transamerica's estimate of the value of the policy, and
- \$2,000

Transamerica's estimate of the value ("Value") of the policy is based on the gross premium reserve (present value of future benefits and expenses less the present value of future premiums) utilizing the Company's best estimate assumptions as of the close of the second quarter of 2020. Our estimate of the Value of the policy is only an estimate – the actual benefit payments a policyholder could receive if they choose to keep their policy in force and later become eligible for benefits under the policy may be higher or lower than our estimate. Our estimate of the Value of each policy will vary depending on numerous characteristics, including issue age, issue date, gender, marital status at the time of issue, policy benefit characteristics and other factors. Our estimate of the Value of one policy will likely be different from our estimate of the Value of other policies, even between spouses who have paid similar premium amounts. Because the Company's estimate of the policy's Value is consistent with how the Company calculates reserves and is intended to capture all significant differences in experience across many variables, we believe that this formula does not unfairly discriminate between policyholders, but we ask the Department of Insurance to formally approve the policy cancellation payment calculation method. The same methodology will be used to calculate the Value for each policyholder subject to this rate increase filing, including policyholders that may currently be on claim. The same methodology and the same fixed percentage of the policy's Value will be used to calculate the policy cancellation payment that is being offered to every policyholder in the state.

The policyholder will be told that we cannot provide advice regarding the tax consequences associated with cancelling their policy. The tax treatment of each individual's policy cancellation payment could be affected by whether the policyholder previously deducted or excluded premiums from their taxable income or whether the policyholder's premiums were paid by their employer. We will advise the policyholder that before choosing the policy cancellation option, they should consult with their own personal tax advisor regarding the tax treatment of the transaction, including the tax treatment of the policy cancellation payment that would be made if they cancel their policy. The policyholder will also be advised that we may send to the Internal Revenue Service and the policyholder an IRS Form 1099 reporting taxable income with respect to the policy cancellation payment. In some circumstances the amount of taxable income the policyholder realizes from the policy cancellation payment could exceed the amount that we report on IRS Form 1099.

Exhibit I Requested RINC							
Transamerica Life Insurance Company							
Policy Forms: TLIC UniProduct Series, TPLIC UniProduct Series							
Nationwide Experience Adjusted to Maryland-Specific Rate History							
All Policyholders Pay the Requested Increase							
	Earned Premium		Incurred Claims	Loss Ratios Excluding Change in ALR			
Year	Actual Past & Projected Future w/o Proposed Rate Increase	Actual Past & Projected Future w/ Proposed Rate Increase	Actual Past & Projected Future	Actual w/o Rate Increase	Actual w/ Rate Increase	PV Actual Cumulative w/o Rate Increase	PV Actual Cumulative w/ Rate Increase
1995	79	79	0	0.0%	0.0%	0.0%	0.0%
1996	1,100	1,100	0	0.0%	0.0%	0.0%	0.0%
1997	1,100	1,100	0	0.0%	0.0%	0.0%	0.0%
1998	1,344	1,344	0	0.0%	0.0%	0.0%	0.0%
1999	3,845	3,845	0	0.0%	0.0%	0.0%	0.0%
2000	4,191	4,191	0	0.0%	0.0%	0.0%	0.0%
2001	5,706	5,706	0	0.0%	0.0%	0.0%	0.0%
2002	215,479	215,479	0	0.0%	0.0%	0.0%	0.0%
2003	9,139,098	9,139,098	18,217	0.2%	0.2%	0.2%	0.2%
2004	38,213,270	38,213,270	853,174	2.2%	2.2%	1.8%	1.8%
2005	38,898,495	38,898,495	2,491,597	6.4%	6.4%	3.8%	3.8%
2006	34,124,254	34,124,254	2,040,594	6.0%	6.0%	4.4%	4.4%
2007	33,223,349	33,223,349	5,958,225	17.9%	17.9%	7.1%	7.1%
2008	32,953,005	32,953,005	4,834,037	14.7%	14.7%	8.3%	8.3%
2009	31,867,073	31,867,073	5,917,209	18.6%	18.6%	9.6%	9.6%
2010	34,567,722	34,567,722	9,180,529	26.6%	26.6%	11.6%	11.6%
2011	43,243,099	43,243,099	9,018,138	20.9%	20.9%	12.8%	12.8%
2012	47,758,268	47,758,268	11,459,332	24.0%	24.0%	14.1%	14.1%
2013	45,541,898	45,541,898	16,496,943	36.2%	36.2%	16.2%	16.2%
2014	42,619,903	42,619,903	20,148,895	47.3%	47.3%	18.6%	18.6%
2015	41,148,815	41,148,815	24,297,327	59.0%	59.0%	21.4%	21.4%
2016	40,111,475	40,111,475	24,219,435	60.4%	60.4%	23.7%	23.7%
2017	38,608,570	38,608,570	30,009,637	77.7%	77.7%	26.5%	26.5%
2018	38,882,249	38,882,249	33,511,085	86.2%	86.2%	29.3%	29.3%
2019	41,030,447	41,030,447	32,107,874	78.3%	78.3%	31.6%	31.6%
2020	39,314,986	39,314,986	35,648,029	90.7%	90.7%	34.0%	34.0%
2021	37,218,375	37,218,375	43,535,627	117.0%	117.0%	36.9%	36.9%
2022	38,104,344	38,104,344	56,320,055	147.8%	147.8%	40.6%	40.6%
2023	39,817,119	39,817,119	60,846,830	152.8%	152.8%	44.2%	44.2%
2024	38,228,987	83,094,635	65,468,729	171.3%	78.8%	47.9%	46.3%
2025	36,198,136	92,841,118	69,686,966	192.5%	75.1%	51.6%	48.1%
2026	34,339,089	88,073,027	73,425,628	213.8%	83.4%	55.3%	49.9%
2027	32,499,576	83,355,037	77,001,793	236.9%	92.4%	58.9%	51.9%
2028	30,625,646	78,548,773	80,484,283	262.8%	102.5%	62.5%	53.8%
2029	28,746,773	73,729,833	83,809,935	291.5%	113.7%	66.1%	55.9%
2030	26,869,429	68,914,813	86,322,181	321.3%	125.3%	69.7%	57.9%
2031	24,997,712	64,114,226	87,799,233	351.2%	136.9%	73.1%	60.0%
2032	23,149,839	59,374,795	88,364,695	381.7%	148.8%	76.4%	61.9%
2033	21,341,106	54,735,750	88,275,662	413.6%	161.3%	79.5%	63.8%
2034	19,582,771	50,225,966	87,975,381	449.2%	175.2%	82.5%	65.7%
2035	17,883,664	45,868,089	87,146,289	487.3%	190.0%	85.4%	67.5%
2036	16,252,324	41,684,022	85,537,279	526.3%	205.2%	88.1%	69.2%
2037	14,695,517	37,691,118	83,146,682	565.8%	220.6%	90.6%	70.8%
2038	13,218,215	33,902,127	80,172,035	606.5%	236.5%	92.9%	72.2%
2039	11,825,289	30,329,545	77,019,617	651.3%	253.9%	95.1%	73.6%
2040	10,520,609	26,983,299	73,571,259	699.3%	272.7%	97.0%	74.9%
2041	9,307,931	23,873,017	69,745,892	749.3%	292.2%	98.8%	76.1%
2042	8,188,885	21,002,884	65,638,281	801.6%	312.5%	100.5%	77.2%
2043	7,163,276	18,372,399	61,384,379	856.9%	334.1%	101.9%	78.1%
2044	6,229,019	15,976,211	57,204,411	918.4%	358.1%	103.2%	79.0%
2045	5,383,893	13,808,629	53,067,653	985.7%	384.3%	104.4%	79.8%
2046	4,625,249	11,862,857	48,984,993	1059.1%	412.9%	105.4%	80.5%
2047	3,949,265	10,129,091	45,003,496	1139.5%	444.3%	106.3%	81.2%
2048	3,350,961	8,594,558	41,132,413	1227.5%	478.6%	107.2%	81.7%
2049	2,826,042	7,248,244	37,469,395	1325.9%	516.9%	107.9%	82.2%
2050	2,368,723	6,075,310	34,007,714	1435.7%	559.8%	108.5%	82.6%
2051	1,973,549	5,061,765	30,747,289	1558.0%	607.4%	109.0%	83.0%
2052	1,634,567	4,192,344	27,671,979	1692.9%	660.1%	109.5%	83.4%
2053	1,345,533	3,451,029	24,766,678	1840.7%	717.7%	109.9%	83.6%
2054	1,100,335	2,822,144	22,069,823	2005.7%	782.0%	110.2%	83.9%
2055	893,994	2,292,918	19,594,472	2191.8%	854.6%	110.5%	84.1%
2056	721,360	1,850,148	17,314,048	2400.2%	935.8%	110.8%	84.3%
2057	577,730	1,481,765	15,224,754	2635.3%	1027.5%	111.0%	84.4%
2058	458,914	1,177,025	13,315,942	2901.6%	1131.3%	111.2%	84.6%
2059	361,562	927,336	11,587,532	3204.9%	1249.6%	111.3%	84.7%
2060	282,379	724,246	10,030,191	3552.0%	1384.9%	111.4%	84.8%
2061	218,379	560,099	8,634,168	3953.8%	1541.5%	111.5%	84.8%
2062	167,284	429,050	7,406,461	4427.5%	1726.2%	111.6%	84.9%
2063	126,677	324,902	6,317,784	4987.3%	1944.5%	111.7%	85.0%
2064	94,720	242,939	5,359,484	5658.2%	2206.1%	111.7%	85.0%
2065	69,756	178,910	4,514,208	6471.4%	2523.2%	111.8%	85.0%
2066	50,732	130,117	3,776,255	7443.6%	2902.2%	111.8%	85.1%
2067	36,345	93,217	3,141,498	8643.6%	3370.1%	111.8%	85.1%
2068	25,647	65,781	2,594,117	10114.5%	3943.6%	111.9%	85.1%
2069	17,948	46,034	2,134,019	11899.7%	4635.7%	111.9%	85.1%
2070+	34,831	89,334	8,907,010	25572.4%	9970.5%	112.0%	85.2%
AV Past	1,054,247,554	1,054,247,554	388,983,238	36.9%	36.9%		
PV Future	367,184,529	814,537,416	1,202,317,031	327.4%	147.6%		
PV Lifetime	1,421,432,083	1,868,784,970	1,591,300,269	112.0%	85.2%		
Post Rate-Stability Calculations							
A =	602,802,867	Present value of initial earned premium times 58.0%					
B =	12,692,426	Present value of prior premium rate increases times 85.0%					
C =	153,018,007	Present value of future projected initial earned premium times 58.0%					
D =	468,106,277	Present value of future projected earned premium from rate increases times 85.0%					
A+B+C+D =	1,236,619,577						
	1,591,300,269	Present value of incurred claims + present value of future projected incurred claims					
	291.7%	Post Rate-Stability method Rate Increase					
Present value of incurred claims + present value of future projected incurred claims is not less than A+B+C+D							

Exhibit II
Transamerica Life Insurance Company
Policy Forms: TLIC UniProduct Series, TPLIC UniProduct Series
Nationwide Experience Adjusted to Maryland-Specific Rate History
Actual To Expected Lifetime Experience
Actual Nationwide Experience Through 12/31/2021 and Projected Thereafter

Duration	Actual				Expected			Actual to Expected				
	A	B	C	D	E	F	G	H=A/E	I=C/F	J=D/G	K=(C/A)/G	J=D/G
	Earned Premium @ Original Rate Level	Earned Premium Adjusted To Approved Maryland Rate History	Incurred Claims Excluding ALR Increase	Cumulative Loss Ratio Excluding ALR Increase	Earned Premium @ Original Rate Level	Incurred Claims Excluding ALR Increase	Cumulative Loss Ratio Excluding ALR Increase	Actual to Expected Earned Premium	Actual to Expected Incurred Claims Excluding ALR Increase	Loss Ratio Excluding ALR Increase	Loss Ratio @ Original Rate Level Excluding ALR Increase	Cumulative Loss Ratio Excluding ALR Increase
1	75,875,756	75,880,238	1,816,593	2.4%	75,845,950	332,907	0.4%	100.0%	545.7%	545.4%	545.5%	545.4%
2	57,741,714	57,745,964	1,850,006	2.7%	51,095,560	1,032,968	1.1%	113.0%	179.1%	258.2%	302.5%	258.2%
3	52,263,556	52,267,502	2,305,928	3.2%	49,183,531	1,982,532	1.8%	106.3%	116.3%	172.3%	238.8%	172.3%
4	50,771,514	50,775,460	6,660,438	5.2%	47,562,125	3,159,723	2.8%	106.7%	210.8%	184.8%	469.7%	184.8%
5	49,017,631	49,021,911	5,975,955	6.3%	46,266,168	4,440,473	3.8%	105.9%	134.6%	162.5%	316.8%	162.5%
6	47,045,785	47,068,116	8,133,578	7.6%	44,053,583	5,743,753	5.0%	106.8%	141.6%	153.1%	346.8%	153.1%
7	45,870,832	46,142,796	9,811,481	9.1%	43,092,214	6,964,826	6.1%	106.4%	140.9%	147.4%	348.0%	147.4%
8	44,919,033	46,261,973	14,180,950	11.0%	42,090,623	8,092,877	7.3%	106.7%	175.2%	151.1%	432.3%	151.1%
9	44,461,775	46,558,687	14,065,214	12.6%	41,051,721	9,138,064	8.4%	108.3%	153.9%	149.1%	374.6%	149.1%
10	41,565,907	43,845,502	19,970,415	14.8%	39,977,171	10,154,540	9.6%	104.0%	196.7%	154.9%	502.1%	154.9%
11	37,790,336	40,832,227	23,022,401	17.2%	36,199,879	11,162,091	10.7%	104.4%	206.3%	160.4%	568.0%	160.4%
12	36,794,741	41,373,880	28,203,804	19.9%	35,115,679	12,267,969	11.9%	104.8%	229.9%	167.2%	644.7%	167.2%
13	35,822,618	41,761,876	33,729,663	22.8%	34,002,369	13,542,609	13.1%	105.4%	249.1%	174.4%	719.9%	174.4%
14	34,661,454	40,957,128	36,578,865	25.7%	32,862,046	14,985,670	14.3%	105.5%	244.1%	179.5%	737.3%	179.5%
15	33,407,381	40,414,367	37,769,253	28.4%	31,698,357	16,520,784	15.6%	105.4%	228.6%	181.9%	725.1%	181.9%
16	32,023,893	39,479,733	43,449,295	31.3%	30,233,638	18,169,973	16.9%	105.9%	239.1%	184.6%	801.7%	184.6%
17	30,059,558	37,420,793	49,264,176	34.4%	29,036,617	19,998,227	18.3%	103.5%	246.3%	189.8%	894.8%	189.8%
18	27,219,869	34,767,543	51,836,581	37.5%	27,822,917	21,946,803	19.8%	97.8%	236.2%	189.5%	963.4%	189.5%
19	27,233,438	35,893,333	68,931,178	41.5%	26,594,917	23,981,003	21.3%	102.4%	287.4%	194.9%	1189.5%	194.9%
20	26,119,564	35,584,468	73,428,730	45.4%	25,355,355	26,051,465	22.8%	103.0%	281.9%	198.9%	1230.7%	198.9%
21	23,949,627	33,027,935	78,777,135	49.5%	23,608,828	28,180,256	24.5%	101.4%	279.5%	202.2%	1344.4%	202.2%
22	22,492,481	31,058,103	82,845,820	53.5%	22,375,037	30,397,230	26.1%	100.5%	272.5%	204.5%	1409.1%	204.5%
23	21,034,117	29,056,038	85,896,320	57.4%	21,139,738	32,701,937	27.9%	99.5%	262.7%	206.0%	1465.7%	206.0%
24	19,588,122	27,071,757	88,641,344	61.3%	19,906,747	35,077,063	29.6%	98.4%	252.7%	206.7%	1527.1%	206.7%
25	18,156,035	25,102,573	90,774,433	65.0%	18,680,306	37,548,300	31.4%	97.2%	241.8%	206.7%	1589.8%	206.7%
26	16,744,375	23,159,002	93,505,650	68.7%	17,464,926	39,918,365	33.3%	95.9%	234.2%	206.3%	1676.9%	206.3%
27	15,360,989	21,252,518	94,751,016	72.3%	16,265,234	42,154,304	35.2%	94.4%	224.8%	205.5%	1753.5%	205.5%
28	14,016,371	19,398,505	94,598,375	75.7%	15,085,726	44,333,087	37.1%	92.9%	213.4%	204.2%	1820.6%	204.2%
29	12,719,087	17,607,421	93,353,491	78.9%	13,930,975	46,154,868	39.0%	91.3%	202.3%	202.6%	1883.9%	202.6%
30	11,477,165	15,891,261	91,374,985	82.0%	12,805,655	47,455,358	40.8%	89.6%	192.5%	200.7%	1950.2%	200.7%
31	10,298,382	14,261,326	89,835,363	84.8%	11,714,342	48,377,877	42.6%	87.9%	185.7%	198.9%	2045.5%	198.9%
32	9,186,170	12,722,558	87,391,895	87.5%	10,661,378	48,812,368	44.4%	86.2%	179.0%	197.0%	2142.3%	197.0%
33	8,145,468	11,281,971	83,836,861	89.9%	9,650,373	48,789,576	46.1%	84.4%	171.8%	195.1%	2232.8%	195.1%
34	7,179,193	9,943,788	79,682,042	92.2%	8,684,639	48,521,851	47.7%	82.7%	164.2%	193.2%	2326.4%	193.2%
35	6,289,132	8,710,808	75,057,516	94.2%	7,767,303	47,846,293	49.2%	81.0%	156.9%	191.3%	2424.0%	191.3%
36	5,475,418	7,583,333	70,992,180	96.0%	6,901,229	46,665,914	50.7%	79.3%	152.1%	189.5%	2559.2%	189.5%
37	4,737,155	6,560,287	66,655,964	97.7%	6,088,916	45,042,165	52.0%	77.8%	148.0%	187.9%	2706.7%	187.9%
38	4,072,491	5,639,066	61,903,140	99.2%	5,331,967	42,916,108	53.2%	76.4%	144.2%	186.4%	2857.6%	186.4%
39	3,479,815	4,817,627	57,038,509	100.5%	4,631,573	40,409,801	54.3%	75.1%	141.2%	185.1%	3019.5%	185.1%
40	2,955,122	4,090,458	52,197,733	101.6%	3,988,630	37,473,041	55.3%	74.1%	139.3%	183.9%	3196.6%	183.9%
41	2,494,116	3,451,559	47,832,379	102.6%	3,403,677	34,176,945	56.1%	73.3%	140.0%	183.0%	3418.2%	183.0%
42	2,091,951	2,894,156	43,631,925	103.5%	2,876,763	30,733,464	56.8%	72.7%	142.0%	182.2%	3669.6%	182.2%
43	1,743,738	2,411,463	39,486,989	104.3%	2,406,952	27,257,070	57.5%	72.4%	144.9%	181.5%	3941.0%	181.5%
44	1,444,577	1,996,722	35,575,876	105.0%	1,992,512	23,844,957	58.0%	72.5%	149.2%	181.1%	4247.3%	181.1%
45	1,189,663	1,643,289	31,877,301	105.6%	1,631,053	20,587,775	58.4%	72.9%	154.8%	180.7%	4587.1%	180.7%
46	974,142	1,344,398	28,575,176	106.1%	1,319,623	17,565,244	58.8%	73.8%	162.7%	180.5%	4991.4%	180.5%
47	793,271	1,093,449	25,571,558	106.5%	1,054,782	14,824,628	59.1%	75.2%	172.5%	180.3%	5458.6%	180.3%
48	642,305	883,834	22,741,802	106.9%	832,292	12,372,212	59.3%	77.2%	183.8%	180.3%	5972.4%	180.3%
49	517,013	709,806	20,114,774	107.2%	647,578	10,209,691	59.5%	79.8%	197.0%	180.2%	6542.7%	180.2%
50	413,599	566,138	17,654,090	107.4%	496,044	8,290,885	59.6%	83.4%	212.9%	180.3%	7161.1%	180.3%
51	328,509	447,914	15,461,493	107.7%	373,306	6,652,846	59.7%	88.0%	232.4%	180.3%	7881.8%	180.3%
52	258,953	351,283	13,488,573	107.8%	275,260	5,254,406	59.8%	94.1%	256.7%	180.4%	8711.0%	180.4%
53	202,311	272,640	11,697,163	108.0%	198,189	4,079,498	59.9%	102.1%	286.7%	180.4%	9659.2%	180.4%
54	156,451	209,089	10,082,204	108.1%	138,755	3,140,188	59.9%	112.8%	321.1%	180.5%	10757.9%	180.5%
55	119,703	158,331	8,598,557	108.2%	93,960	2,309,374	59.9%	127.4%	372.3%	180.6%	11985.1%	180.6%
56	90,651	118,394	7,291,433	108.3%	61,170	1,692,172	60.0%	148.2%	430.9%	180.7%	13415.2%	180.7%
57	68,053	87,531	6,134,160	108.4%	37,968	1,210,104	60.0%	179.2%	506.9%	180.7%	15030.0%	180.7%
58	50,633	63,976	5,142,759	108.4%	22,243	842,781	60.0%	227.6%	610.2%	180.8%	16933.0%	180.8%
59	37,598	46,584	4,272,586	108.5%	12,137	613,903	60.0%	309.8%	696.0%	180.8%	18943.0%	180.8%
60	27,890	33,842	3,515,689	108.5%	6,051	354,622	60.0%	460.9%	991.4%	180.9%	21011.4%	180.9%
61	20,722	24,607	2,867,894	108.5%	2,707	228,890	60.0%	765.5%	1254.1%	180.9%	23068.2%	180.9%
62	15,441	17,952	2,317,377	108.6%	1,047	143,393	60.0%	1474.1%	1616.1%	181.0%	25014.5%	181.0%
63	11,597	13,238	1,864,840	108.6%	335	87,455	60.0%	3463.6%	2132.3%	181.0%	26802.0%	181.0%
64	8,861	9,994	1,491,546	108.6%	82	113,897	60.0%	10814.3%	1309.6%	181.0%	28055.2%	181.0%
65	6,886	7,734	1,184,324	108.6%	0	0	60.0%			181.0%	28665.1%	181.0%
66	5,485	6,189	934,991	108.6%	0	0	60.0%			181.0%	28408.6%	181.0%
67	4,423	5,035	736,128	108.6%	0	0	60.0%			181.0%	27738.4%	181.0%
68	3,577	4,111	577,876	108.6%	0	0	60.0%			181.0%	26925.8%	181.0%
69	2,886	3,353	454,390	108.6%	0	0	60.0%			181.0%	26241.1%	181.0%
70	2,348	2,764	357,044	108.6%	0	0	60.0%			181.0%	25343.6%	181.0%
PV Lifetime	652,342,542	718,237,894	780,240,160	108.6%	627,627,569	376,576,541	60.0%	103.9%	207.2%	181.1%	199.3%	181.1%

Exhibit VI
Transamerica Life Insurance Company
Policy Forms: TLIC UniProduct Series, TPLIC UniProduct Series

Blended If-Knew / Make-Up Approach (Minnesota method)*

Input		
A	PV Lifetime Incurred Claims	1,591,300,269
B	PV Future Effective Earned Premium @ Original Rate Level	202,389,734
C	PV Lifetime Earned Premium @ Original Rate Level	1,303,139,437
D	AV Past Earned Premium Adjusted To Approved Maryland Rate History	1,054,247,554
E	Statutorily Required Minimum Lifetime Loss Ratio	60.0%
F	% of Active Policyholders Remaining	61.4%
G	Cumulative Rate Increase	45.48%

	Blended Increase	Policyholder Share of the Increase
H1	0-15%	100.00%
H2	15-50%	90.00%
H3	50-100%	75.00%
H4	100-150%	65.00%
H5	>150%	50.00%

Calculation		
$I=(A/E)/C-1$	If-Knew Increase	103.5%
$J=(A/E-D)/B-1$	Make-Up Increase	689.5%
$K=I*(1-F)+J*F$	Blended Increase	463.2%
	Cost-Sharing Increase	
$L1=\text{Min}(K, 15\%)*H1$	0-15%	15.00%
$L2=(\text{Min}(K, 50\%)-\text{Min}(K, 15\%))*H2$	15-50%	31.50%
$L3=(\text{Min}(K, 100\%)-\text{Min}(K, 50\%))*H3$	50-100%	37.50%
$L4=(\text{Min}(K, 150\%)-\text{Min}(K, 100\%))*H4$	100-150%	32.50%
$L5=(K-\text{Min}(K, 150\%))*H5$	>150%	156.62%
$L=L1+L2+L3+L4+L5$	Total	273.12%
$M=(1+L)/(1+G)-1$	Maximum Allowable Rate Increase	156.5%

* Based off of Exhibit I