

# Actuarial Memorandum

Policy Forms (Certificates): ML-LTCP TQ (MD) 197 as ML1, ML-LTCP TQ (MD) 600 as MLPool, FTQ (MD) 197 as TPLIC Flex 2 TQ, LTC 5 TQ (MD) 900 as TPLIC LTC 5 TQ Applicable to All Policies Regardless of Application Date or Issue Date

# Long Term Care Coverage

#### 1) Scope and Purpose

This rate filing is a request for a 125% 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) regardless of application date or issue date. This premium rate increase is needed due to claim levels that produce lifetime loss ratios above the statutorily required minimum loss ratio. 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. However, 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 in this state 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/certificate benefit limits available under the policy/certificate (by reducing all of the policy benefit limits available by the Cost Sharing Percentage), and
- 2) Amounts that the policyholder/certificate 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/certificate, 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/certificate 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/certificate.

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 and certificate holders 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 or certificate holders 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 second quarter of 2020. More details about the buyback offer are displayed in Appendix B.

## 2) Benefits \*

#### ML1 Series

A. Nursing Home

Pays the Nursing Home Daily Benefit for all levels of care for each day benefits are payable. Benefits are payable until the end of the Benefit Period has been reached.

#### B. Home and Community Care – Rider Form: ML–LTCR TQ (MD) 197

Pays actual charges up to the Home Health Care Maximum Daily Benefit that varies by type of service provided (professional, secondary, respite care, or nonprofessional). Benefits include Home Health, Adult Day Care, Respite Care, Equipment Purchases and Rentals, Assisted Living Facility, Bed Reservation, and Non-Professional. Some benefits under this rider are mutually exclusive with other

<sup>&</sup>lt;sup>\*</sup> This is not intended to be a comprehensive listing of all benefits available.

policy benefits.

- *C. Simple Benefit Increase Option (BIO) –-Rider Form: ML–SBIR TQ (MD) 197* Increases benefits by 5% of the original amount on each anniversary of the policy.
- D. Compound Benefit Increase Option (BIO) Rider Form: ML-CBIR TQ (MD) 197 Increases benefits by 5% of the current amount on each policy anniversary.

# **MLPool Series**

- A. Nursing Home Benefit Pays the Nursing Home Daily Benefit for all levels of care for each day benefits are payable. Benefits are payable until the Maximum Benefit is exhausted.
- B. Home Health Care Rider Form(s): ML–HCR TQ (MD) 600 Pays actual charges up to the Home Health Care Maximum Daily Benefit that varies by type of service provided (professional, secondary, respite care, or nonprofessional). Benefits include Home Health, Adult Day Care, Respite Care, Caregiver Training, Medical Alert System, Medication Management, Home Modification and Equipment, and Non-Professional.
- *C. Simple Benefit Increase Option (BIO) Rider Form: ML–SBIR TQ (MD) 600* Increases benefits by 5% of the original amount on each anniversary of the policy.
- D. Compound Benefit Increase Option (BIO) Rider Form: ML-CBIR TQ (MD) 600 Increases benefits by 5% of the current amount on each policy anniversary.

# **TPLIC Flex 2 TQ Series**

A. Nursing Home Benefit

After satisfaction of the Nursing Home Elimination Period, the company will pay actual charges up to the Nursing Home Maximum Daily Benefit for each day during a Period of Confinement that an Insured Person requires Nursing Home Confinement. Benefits are payable up to the Nursing Home Lifetime Maximum Benefit. The confinement must be due to being Chronically III.

B. Home Health Care Benefit -

## Rider Form: FHHRTQ (MD) 197

After satisfaction of the Home Health Care Elimination Period, the company will pay charges up to the Home Health Care Maximum Daily Benefit for each day services are provided by a Home Health Aide or pay up to 200% of the Home Health Care Maximum Daily Benefit for each day Skilled Services are received. Benefits are payable up to the Home Health Care Lifetime Maximum Benefit amount.

C. Benefit Increase Option (BIO):

#### Compound Benefit Increase Option - Rider Form: CBIOR 196

This rider will increase the Nursing Home Benefit and the Maximum Skilled Home Health Care and Home Health Care Benefits by 5% of the current amount on each policy anniversary.

## Simple Benefit Increase Option – Rider Form: SBIOR (MD) 196

This rider will increase the Nursing Home Benefit and Maximum Skilled Home Health Care and Home Health Care Benefits by 5% of the original amount on each policy anniversary.

# **TPLIC LTC 5 TQ Series**

A. Nursing Home Benefit

Pays the daily Nursing Home benefit for each day of confinement in a Nursing Home up the Lifetime Maximum Benefit.

- B. Home and Community Care Form: LTC 5 TQ HCCR (MD) 1096 Pays expenses incurred up to the maximum daily benefit for each day Home Health Care, Assisted Living Facility, Adult Day Care, or Hospice services are provided up the Lifetime Maximum Benefit Amount.
- C. Simple Benefit Increase Option (BIO) Rider Form: SBIOR TQ (MD) 1096 Increases the benefit by 5% of the original amount on each anniversary.
- D. Compound Benefit Increase Option (BIO) Rider Form: CBIOR TQ (MD) 1096 Increases the benefit by 5% of the current amount on each policy anniversary.

#### 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 and certificates 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. A provision for morbidity improvement is also included.

The current morbidity assumption used in this rate increase filing is consistent with the assumption the Company has used for currently marketed policy forms.

## 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.

The current off-claim mortality assumption used in this rate increase filing is consistent with the assumption the Company has used for currently marketed policy forms.

#### 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 included in the requested rate increase justification. It is assumed that the originally filed expense assumptions remain appropriate.

#### 9) Marketing

These policy forms were marketed by agents to individuals in age ranges that vary by policy form.

#### 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 fully 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 claim department have been necessary to date nor are any changes expected to be necessary in the future. The claim 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 claim 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

For the ML1 Series, applicants age 18–79 were eligible for all elimination periods and benefit periods. Applicants age 80-84 were eligible for the 100-day elimination period only and the 1-year, 2-year, 3-year and 4-year benefit periods only. Applicants age 85-99 were eligible for the 100-day elimination period and the 1-year and 2-year benefit periods only.

For the MLPool Series, applicants age 18-79 were eligible for all elimination periods and benefit periods. Applicants age 80-84 were eligible for all elimination periods except for 0-day, and eligible for all benefit periods. Applicants age 85 and older were eligible for all elimination periods except for 0-day, and eligible for all elimination periods except for 0-day, and eligible for the 1-year and 2-year benefit periods only.

For the TPLIC FLEX 2 TQ Series, applicants age 18 - 89 were eligible for all elimination periods and benefit periods.

For the TPLIC LTC 5 TQ Series, applicants age 18 – 79 were eligible for all elimination periods and benefit periods. Applicants age 80 – 89 were eligible for all elimination periods except for 0-day and were eligible for all benefit periods except for Lifetime.

#### 15) Area Factors

Area factors are not used for these products.

# 16) Average Annual Premium

Before	
Increase	After Increase
\$2,210	\$4,972
\$1,829	\$4,115
\$2,910	\$6,548
\$2,545	\$5,727
	Increase \$2,210 \$1,829 \$2,910

# 17) Premium Modalization Rules

Modal factors which are applied to the annual premium are as follows:

Premium Mode	Annual	Semi-annual	Quarterly	Monthly
ML1 Series	1.000	0.510	0.260	0.09
MLPool Series	1.000	0.510	0.260	0.09
TPLIC Flex 2 TQ Series	1.000	0.520	0.270	0.085
TPLIC LTC 5 TQ Series	1.000	0.520	0.270	0.085

## 18) Claim Liability and Reserve

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, sex, 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. 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.

## 19) Active Life Reserve

Active life reserves may have been used in the original pricing of the captioned forms to demonstrate compliance with the minimum 60% loss ratio. However, active life reserves have <u>not</u> been used in this premium rate increase filing to demonstrate compliance with the 60% loss ratio requirement. As a result, we are requesting a lesser increase than would have been necessary had we included the cost of the active life reserves.

# 20) Trend Assumptions

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

# 21) Minimum Required Loss Ratio

The Statutorily Required Minimum Loss Ratio for these forms is 60%.

# 22) Anticipated Loss Ratio

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

# 23) Distribution of Business

See Attachment A.

# 24) Contingency and Risk Margins

Contingency and risk margins have not been included in the justification for this rate increase.

# 25) Experience on the Form

In order to enhance credibility of the experience used to justify the rate increase request of this filing, in accordance with ASOP 25, Exhibits I and II include the experience of the policy forms of an affiliated company from which the captioned Transamerica Life (the Company) policy forms of this filing were cloned in addition to the experience of the Company's captioned policy form series of this filing. The experience of the commingled policy forms is expected to be substantially similar over the lifetime of the block since they were subject to the same underwriting standards, have identical benefit design, and identical assumptions. Experience included in Exhibit III is limited to the Company's experience, i.e. no affiliate experience is included. All of the experience used in all exhibits mentioned above has been adjusted to reflect the Maryland rate history of the Company's policy form series of this filing.

See Exhibit I for calendar year historical experience through March 31, 2020, 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.

See Exhibit II for actual-to-expected experience by duration where 'actual' experience includes historical experience through March 31, 2020. Historical Incurred Claims reflect claim payment runoff through June 30, 2020, plus the claim reserve estimate as of June 30, 2020 (as described in Section 18 above).

See Exhibit III for calendar year historical experience through March 31, 2020, for the above captioned form series experience of the Company only.

# 26) History of Rate Adjustments

The magnitude of rate increases approved for each product discussed herein is displayed in Attachment B.

# 27) Number of Insureds

	Insureds	Annualized Premium
Maryland:	135	\$313,688
Nationwide:	16,289	\$44,711,845

As of September 2021, the number of insureds that will be affected by this increase is:

# 28) 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.

# 29) 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.

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Brad Rokosh, ASA, MAAA Director of LTC Product and Pricing

February 2, 2022

# Attachment A

# Transamerica Life Insurance Company

# Distribution of Business

By Issue Age	
0 to 59	70.5%
60 to 64	18.6%
65 to 69	8.2%
70 to 74	2.3%
75 to 79	0.3%
80 to 84	0.1%
85 +	0.0%

# By Elimination Period

0 day	20 day	30 day	60 day	90 day	> 90 days
3.3%	3.7%	0.1%	16.4%	76.3%	0.2%

# By Maximum Benefit Option

≤ 2 Yr	3 Yr	4 Yr	5 Yr	≥ 6 Yr*
8.0%	21.5%	9.8%	8.4%	52.3%

\* Including Unlimited.

# Attachment B

# Transamerica Life Insurance Company

	First Increase	Second	Third	Fourth
Policy Form	(Approved,	Increase	Increase	Increase
FolicyFolin	Implemented)	(Approved,	(Approved,	(Approved,
	implemented)	Implemented)	Implemented)	Implemented)
ML1	20%	20%	15%	15%
IVIL I	(2007,2007)	(2008,2008)	(2011,2011)	(2018,2019)
MLPool	20%	20%	15%	15%
MLFOOI	(2007,2007)	(2008,2008)	(2011,2011)	(2018,2019)
Flex 2 TQ	20%	20%	15%	15%
FIEX 2 TQ	(2007,2007)	(2008,2008)	(2011,2011)	(2018,2019)
	20%	20%	15%	15%
LTC 5 TQ	(2007,2007)	(2008,2008)	(2011,2011)	(2018,2019)

# Rate Increase History

# Appendix A

#### **Benefit Reduction and Cost Sharing Option (with Rate Guarantee)**

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

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

All policy or certificate benefit amounts (including, but not limited to, all Maximum Daily/Monthly Benefit amounts and the policy or certificate 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 or certificate Maximum Amount is \$100,000 and the Cost Sharing Percentage is 20%, the policy/certificate Maximum Amount will be reduced to \$80,000. The Company will not be responsible for any costs that exceed the reduced policy/certificate 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/certificate.

2. Application of Cost Sharing to Claim Payments

As long as all policy/certificate provisions and conditions are satisfied, for any benefit for which a claim is made under the policy/certificate, 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/certificate 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/certificate 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/certificate holder will be responsible for \$16.
- If the Long-Term Care Facility charges are \$100, the Company will pay \$80 and the policyholder/certificate holder will be responsible for \$20.
- If the Long-Term Care Facility charges are \$200, the Company will pay \$80 and the policyholder/certificate 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 10 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

Benefit Increase Option	Benefit Period	Cost Sharing%	Required Remaining RINC
Compound	2-year	25%	
Compound	4-year	25%	
Compound	Lifetime	22%	
No Bio	2-year	25%	66.6%
No Bio	4-year	25%	63.7%
No Bio	Lifetime	25%	63.2%
Simple	2-year	25%	15.9%
Simple	4-year	25%	6.2%
Simple	Lifetime	22%	

Appendix A: Cost Sharing Percentages Table

# 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 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 the policyholder realizes from the policy cancellation payment could exceed the amount that we report on IRS Form 1099.

#### Exhibit I

#### Transamerica Life Insurance Company

TPLIC Flex 2 TQ, TPLIC LTC 5 TQ, ML1 and MLPOOL of Transamerica Premier Life Flex 2 TQ, LTC 5 TQ, Future Care 2 TQ and Future Care Pool TQ of Transamerica Life

#### Nationwide Experience Adjusted to Maryland-Specific Rate History

#### All Policyholders Pay the Requested Increase

	Dree		olders Pay the			ding Change	
	Pren	nium Actual Past &	Incurred Claims	LOSS	Ratios Exclu	ding Change i	
	Actual Past &	Projected				PV Actual	
	Projected Future	,	Actual Past	Actual w/o	Actual w/	Cumulative	PV Actual
	w/o Proposed	Proposed Rate	& Projected	Rate	Rate	w/o Rate	Cumulative w/
Year	Rate Increase	Increase	Future	Increase	Increase	Increase	Rate Increase
1988-1999	39,609,999	39,609,999	2,820,863	7.1%	7.1%	7.0%	7.0%
2000	38,766,748		3,110,700	8.0%	8.0%	7.5%	7.5%
2001	51,782,224	51,782,224	6,682,122	12.9%	12.9%	9.5%	9.5%
2002	68,297,758		8,543,743	12.5%	12.5%	10.5%	10.5%
2003	81,660,909		11,169,030	13.7%	13.7%	11.4%	11.4%
2004	86,347,833	, ,	17,013,469	19.7%	19.7% 22.6%	13.2% 14.8%	13.2% 14.8%
2005 2006	85,586,448 82,607,654	85,586,448 82,607,654	19,365,214 25,670,747	22.6% 31.1%	31.1%	14.8%	17.0%
2000	80,276,768		31,772,194	39.6%	39.6%	19.5%	19.5%
2008	86,174,545		29,379,971	34.1%	34.1%	21.0%	21.0%
2009	95,887,957	95,887,957	39,218,861	40.9%	40.9%	23.0%	23.0%
2010	97,986,475		52,966,256	54.1%	54.1%	25.7%	25.7%
2011	94,081,374	94,081,374	54,348,885	57.8%	57.8%	28.1%	28.1%
2012	98,359,033		63,378,906	64.4% 75.1%	64.4% 75.1%	30.6%	30.6% 33.4%
2013 2014	98,889,775 94,681,506		74,296,548 70,656,209	75.1%	75.1%	33.4% 35.7%	35.7%
2015	90,561,478		86,234,581	95.2%	95.2%	38.5%	38.5%
2016	86,542,976	86,542,976	82,201,947	95.0%	95.0%	40.8%	40.8%
2017	81,769,295		105,153,389	128.6%	128.6%	44.0%	44.0%
2018	76,982,444	76,982,444	96,091,314	124.8%	124.8%	46.6%	46.6%
2019	72,469,413		103,567,945	142.9%	142.9%	49.2%	49.2%
2020Q1	24,629,920	24,629,920	24,733,102	100.4%	100.4%	49.7%	49.7%
2020Q234 2021	54,738,335 73,516,387		110,622,132 153,527,516	202.1% 208.8%	202.1% 208.8%	52.7% 56.5%	52.7% 56.5%
2021	68,029,759		160,721,227	236.3%	198.8%	60.3%	60.0%
2023	62,691,199		169,307,625	270.1%	128.7%	64.1%	62.6%
2024	57,791,175		177,431,600	307.0%	136.5%	68.0%	65.1%
2025	53,586,167	120,568,877	185,036,698	345.3%	153.5%	71.8%	67.8%
2026	49,592,742		192,142,407	387.4%	172.2%	75.7%	70.4%
2027	45,758,804		198,693,005	434.2%	193.0%	79.5%	73.1%
2028 2029	42,082,479 38,565,946	94,685,578 86,773,379	204,187,149 208,344,779	485.2% 540.2%	215.6% 240.1%	83.2% 86.9%	75.8% 78.5%
2029	35,209,699		211,093,467	599.5%	266.5%	90.5%	81.2%
2031	32,015,359		212,582,749	664.0%	295.1%	94.0%	83.7%
2032	28,987,419	65,221,692	212,822,551	734.2%	326.3%	97.3%	86.3%
2033	26,129,555		211,484,645	809.4%	359.7%	100.5%	88.7%
2034	23,442,393		208,447,818	889.2%	395.2%	103.5%	91.0%
2035	20,927,013	, ,	204,999,784	979.6%	435.4%	106.4%	93.2% 95.3%
2036 2037	18,584,739 16,416,040		199,903,861 193,347,158	1075.6% 1177.8%	478.1% 523.5%	109.0% 111.5%	95.3% 97.3%
2038	14,419,621	32,444,148	185,411,267	1285.8%	571.5%	113.8%	99.1%
2039	12,592,600		176,271,635	1399.8%	622.1%	115.9%	100.8%
2040	10,931,426	24,595,709	165,899,755	1517.6%	674.5%	117.8%	102.3%
2041	9,431,933	21,221,849	154,593,707	1639.0%	728.5%	119.5%	103.6%
2042	8,088,861	18,199,938	142,814,576	1765.6%	784.7%	121.0%	104.8%
2043	6,895,133		131,010,182	1900.0%	844.5%	122.3%	105.9%
2044 2045	5,842,251 4,920,820	13,145,065 11,071,844	119,275,158 107,680,440	2041.6% 2188.3%	907.4% 972.6%	123.5% 124.5%	106.9% 107.7%
2045	4,920,820		96,399,140	2339.3%	1039.7%	124.5%	107.7%
2047	3,431,922		85,749,442	2498.6%	1110.5%	126.1%	109.0%
2048	2,842,933	, ,		2668.7%	1186.1%	126.7%	109.5%
2049	2,343,006	5,271,764	66,797,557	2850.9%	1267.1%	127.3%	109.9%
2050	1,921,657		58,427,776	3040.5%	1351.3%	127.7%	110.3%
2051	1,568,903	, ,	50,766,222	3235.8%	1438.1%	128.1%	110.6%
2052 2053	1,275,438 1,032,666	, ,	43,888,583 37,774,541	3441.1% 3658.0%	1529.4% 1625.8%	128.4% 128.6%	110.9% 111.1%
2053	832.835		32,380,221	3888.0%	1728.0%	128.8%	111.1%
2055	669,104	,,	27,598,138	4124.6%	1833.2%	120.0%	111.4%
2056	535,560	, ,	23,375,771	4364.7%	1939.9%	129.1%	111.5%
2057	427,097	960,968	19,684,050	4608.8%	2048.4%	129.3%	111.6%
2058	339,331	763,495	16,488,275	4859.1%	2159.6%	129.3%	111.7%
2059	268,556		13,747,566	5119.1%	2275.1%	129.4%	111.7%
2060	211,676		11,412,896	5391.7%	2396.3%	129.5% 129.5%	111.8%
2061 2062	166,133 129,812		9,408,784 7,698,021	5663.4% 5930.1%	2517.1% 2635.6%	129.5%	111.8% 111.9%
2062	100,963		6,258,015	6198.3%	2754.8%	129.6%	111.9%
2064	78,139	175,812	5,058,718	6474.0%	2877.3%	129.6%	111.9%
PV Past	645,809,792		321,064,962	49.7%	49.7%		
PV Future	143,017,180		701,290,337	490.4%	261.9%		
PV Lifetime	788,826,972	913,584,678	1,022,355,298	129.6%	111.9%		

#### Exhibit II

#### Transamerica Life Insurance Company

#### TPLIC Flex 2 TQ, TPLIC LTC 5 TQ, ML1 and MLPOOL of Transamerica Premier Life Flex 2 TQ, LTC 5 TQ, Future Care 2 TQ and Future Care Pool TQ of Transamerica Life Nationwide Experience Adjusted to Maryland-Specific Rate History Actual To Expected Lifetime Experience

#### Actual Nationwide Experience Through 3/31/2020 and Projected Thereafter

		Actu			g	Expected	,		tual to Expecte	d
	A	B	ai C	D	E	F	G	H=A/E	I=C/F	a J=D/G
	~		<u> </u>	5			5			0-0/0
		Earned							Actual to	
		Premium		Cumulative			Cumulative		Expected	Cumulative
	Earned	Adjusted To	Incurred	Loss Ratio	Earned		Loss Ratio	Actual to	Incurred	Loss Ratio
	Premium @	Approved	Claims	Excluding	Premium @	Incurred Claims	Excluding	Expected	Claims	Excluding
<b>D</b> ()	Original Rate	Maryland Rate			Original Rate	Excluding ALR	ALR	Earned	Excluding ALR	ALR
Duration 1	Level	History	Increase 3,689,235	Increase	Level 97,075,392	Increase 3,545,621	Increase 3.7%	Premium 100.0%	Increase 104.1%	Increase 104.1%
2	97,072,653 91,095,254	97,072,653 91,095,254		3.8% 5.9%	97,075,392 86,458,480	5,511,649	3.7% 4.9%	105.4%		104.1%
3	88,385,313				79,816,041	7,898,009	6.3%	110.7%		131.1%
4	86,863,245	, ,			73,701,228	10,184,844	7.9%	117.9%		133.6%
5	84,825,572	86,383,161	17,849,840	12.3%	67,911,571	11,724,733	9.3%	124.9%	152.2%	132.2%
6	82,115,012			13.6%	62,386,878	13,421,934	10.7%	131.6%		127.1%
7	79,396,936			15.5%	57,108,793	15,034,372		139.0%		127.2%
8 9	76,511,028				52,063,972	16,633,706	13.7%	147.0%		124.9%
9 10	73,576,888 70,702,110	93,771,967 96,380,641		19.5% 22.1%	47,397,065 43,141,725	17,831,450 18,924,426	15.2% 16.6%	155.2% 163.9%		128.4% 132.7%
10	67,162,691	97,633,665		24.6%	39,205,223	19,767,512	18.1%	171.3%		136.2%
12	64,091,767	97,946,373		26.9%	35,600,846	21,424,651	19.6%	180.0%		137.3%
13	61,552,337	97,287,397		29.2%	32,298,612	22,744,888	21.1%	190.6%		138.5%
14	58,812,527	94,975,452		31.8%	29,242,862	24,238,827	22.7%	201.1%		140.5%
15	56,012,285	91,659,373		34.7%	26,403,983	25,311,906	24.2%	212.1%		143.3%
16	53,478,558	88,411,248			23,739,107	26,640,275	25.8%	225.3%		146.8%
17 18	51,383,090 48,932,333	85,895,586 83,382,953		40.4% 43.7%	21,242,083 18,938,952	27,751,396 28,714,843	27.4% 29.0%	241.9% 258.4%		147.3% 150.8%
19	46,064,160			43.7%	16,827,020	29,417,647	30.6%	273.8%		154.4%
20	42,829,660	76,915,748		51.1%	14,914,360	29,966,330	32.1%	287.2%		159.0%
21	38,701,874				12,955,497	29,833,519	33.6%	298.7%		163.8%
22	35,759,377				11,422,675	30,967,474	35.1%	313.1%		168.7%
23	33,171,724			63.5%	10,042,864	31,574,009	36.6%	330.3%		173.6%
24	30,521,680	57,949,013		67.7%	8,789,624	32,647,151	38.0%	347.2%		177.9%
25	28,169,703	53,616,563		71.8%	7,664,721	32,634,425	39.5%	367.5%		182.1%
26 27	25,918,014 23,759,761	49,344,901 45,241,453	206,793,200 213,334,153	76.0% 80.1%	6,652,122 5,745,178	32,787,015 32,082,187	40.8% 42.1%	389.6% 413.6%		186.2% 190.3%
28	21,698,383	41,318,700		84.2%	4,937,130	31,219,709	43.3%	439.5%		194.3%
29	19,738,177				4,220,532	30,136,114	44.4%	467.7%		198.3%
30	17,878,808			91.9%	3,588,888	28,969,384	45.5%	498.2%		202.1%
31	16,122,562			95.6%	3,036,005	27,240,433	46.4%	531.0%		206.0%
32	14,468,950			99.1%	2,555,308	26,051,871	47.3%	566.2%		209.7%
33	12,921,126			102.4%	2,140,030	24,520,139	48.0%	603.8%		213.2%
34 35	11,479,448 10,144,071	21,860,942 19,317,890			1,780,209 1,480,768	23,577,220 21,944,781	48.7% 49.4%	644.8% 685.1%		216.5% 219.6%
36	8,914,622	16,976,567	201,910,652		1,225,843	20,508,234	49.4 <i>%</i> 50.0%	727.2%		219.0%
37	7,789,041	14,833,049		113.7%	1,010,028	18,499,024	50.5%	771.2%		225.2%
38	6,764,898	12,882,711	183,722,292	115.9%	828,248	16,636,431	50.9%	816.8%		227.8%
39	5,839,574	11,120,564	172,088,318	118.0%	675,623	14,899,551	51.3%	864.3%	1155.0%	230.2%
40	5,009,793	9,540,369		119.8%	548,080	13,314,308	51.6%	914.1%		232.3%
41	4,271,439	8,134,287			442,169	11,764,815		966.0%		234.3%
42	3,619,387				354,725	10,483,423	52.1%	1020.3%		236.0%
43 44	3,047,925 2,551,167	5,804,299 4,858,304		124.1% 125.2%	282,926 222,587	9,241,674 8,301,714	52.3% 52.4%	1077.3% 1146.1%		237.5% 238.8%
44	2,122,954			126.1%	177,970	7,427,394	52.6%	1192.9%		230.0%
46	1,756,841	3,345,644			141,662	6,617,748	52.7%	1240.2%		240.8%
47	1,446,159	2,754,003		127.5%	112,250	5,660,362	52.8%	1288.3%		241.6%
48	1,184,367	2,255,462		128.1%	88,521	4,831,187	52.9%	1338.0%		242.2%
49	965,317	1,838,315		128.5%	69,404	4,110,252	52.9%	1390.9%		242.8%
50	783,290	1,491,674		128.9%	54,021	3,484,740	53.0%	1450.0%		243.3%
51 52	632,991 500 570	1,205,451		129.2%	41,645	2,921,460	53.0%	1520.0%	1470.7%	243.7%
52 53	509,570 408,699	970,414 778,318		129.5% 129.7%	31,699 23,725	2,418,829 1,931,019	53.1% 53.1%	1607.5% 1722.6%	1520.4% 1622.0%	244.0% 244.3%
54	326,623	622,015		129.7%	16,663	1,583,608	53.1%	1960.2%		244.5%
55	260,144	495,416		130.0%	12,883	1,364,494	53.1%	2019.2%	1628.0%	244.7%
56	206,527	393,308		130.1%	9,844	1,158,793	53.1%	2097.9%		244.8%
57	163,429	311,232		130.2%	7,419	921,407	53.2%	2202.9%		244.9%
58	128,883			130.3%	5,504	718,490	53.2%	2341.7%		245.0%
59	101,273			130.3%	4,005	547,045	53.2%	2528.6%		245.1%
60	79,277			130.4%	2,842	403,137	53.2%	2789.3%		245.2%
61 62	58,682 38,957			130.4%	1,925	278,317	53.2%	3047.8%		245.2%
62 63	38,957 21,689	74,189 41,304	4,315,886 2,403,198	130.4% 130.4%	1,089 436	151,578 47,845	53.2% 53.2%	3576.2% 4979.9%	2847.3% 5022.9%	245.2% 245.3%
64	9,600	18,283		130.4%	430	12,135	53.2%	8696.0%	8653.0%	245.3%
65+	5,104	9,720		130.4%	54	5,620	53.2%	9421.4%		245.3%
PV Lifetime	1,068,606,949			130.4%	711,030,926	378,126,564	53.2%	150.3%	483.4%	245.3%
	, , ,	, . ,,	, ,,,,,	/ 0	,,	,,		/0	/0	2.2.70

#### **Exhibit III** Transamerica Life Insurance Company TPLIC Flex 2 TQ, TPLIC LTC 5 TQ, ML1 and MLPOOL

# Nationwide Experience Adjusted to Maryland-Specific Rate History

All Policyholders Pay the Requested Increase

	Pren	nium	Incurred Claims	Loss	Ratios Exclu	ding Change i	in ALR
		Actual Past &				<b>J</b>	
	Actual Past &	Projected				PV Actual	
	Projected Future		Actual Past	Actual w/o	Actual w/	Cumulative	PV Actual
	w/o Proposed	Proposed Rate	& Projected	Rate	Rate	w/o Rate	Cumulative w/
Year	Rate Increase	Increase	Future	Increase	Increase	Increase	Rate Increase
1998	61,004	61,004		0.0%	0.0%	0.0%	0.0%
1999	657,943	657,943	41,894	6.4%	6.4%	5.8%	5.8%
2000	1,814,650	1,814,650		18.5%	18.5%	14.8%	14.8%
2001	4,140,974	4,140,974		0.6%	0.6%	6.2%	6.2%
2002	18,822,254	18,822,254		2.3%	2.3%	3.3%	3.3%
2003 2004	32,106,328 37,615,904	32,106,328 37,615,904		6.0% 8.1%	6.0% 8.1%	4.8% 6.0%	4.8% 6.0%
2004	37,601,083	37,601,083		16.7%	16.7%	8.8%	8.8%
2006	36,705,867	36,705,867	, ,	17.0%	17.0%	10.5%	10.5%
2007	36,003,111	36,003,111		25.0%	25.0%	12.7%	12.7%
2008	38,996,960	38,996,960	6,675,299	17.1%	17.1%	13.4%	13.4%
2009	43,554,213			14.9%	14.9%	13.6%	13.6%
2010	44,739,844	44,739,844		39.2%	39.2%	16.5%	16.5%
2011	43,614,324			33.7%	33.7%	18.1%	18.1%
2012	46,423,881	46,423,881		33.6%	33.6%	19.5%	19.5%
2013 2014	46,820,997 45,482,462			39.1% 43.3%	39.1% 43.3%	21.0% 22.6%	21.0% 22.6%
2014	44,203,662			43.3 <i>%</i> 53.1%	43.3 <i>%</i> 53.1%	24.4%	24.4%
2016	42,892,161	42,892,161	, ,	48.3%	48.3%	25.6%	25.6%
2017	41,148,544	41,148,544	, ,	81.6%	81.6%	28.2%	28.2%
2018	39,634,255		, ,	85.6%	85.6%	30.6%	30.6%
2019	38,042,835	38,042,835	30,144,021	79.2%	79.2%	32.3%	32.3%
2020Q1	13,153,796	13,153,796		69.5%	69.5%	32.8%	32.8%
2020Q234	29,864,978	29,864,978		149.6%	149.6%	35.8%	35.8%
2021	40,738,886	40,738,886		157.7%	157.7%	39.8%	39.8%
2022	37,985,112	, ,	, ,	183.9%	152.6%	43.9%	43.7%
2023 2024	35,258,733 32,803,761	74,554,784 73,808,462		216.0% 250.7%	102.1% 111.4%	48.2% 52.6%	46.6% 49.6%
2024	30,892,179	69,507,403		285.2%	126.7%	57.0%	49.0 <i>%</i> 52.7%
2026	29,044,526	65,350,184		323.2%	143.6%	61.5%	55.8%
2027	27,214,461	61,232,538		367.0%	163.1%	66.0%	59.0%
2028	25,405,731	57,162,894	105,564,730	415.5%	184.7%	70.6%	62.3%
2029	23,625,437		110,499,890	467.7%	207.9%	75.2%	65.6%
2030	21,877,783			523.0%	232.4%	79.7%	68.8%
2031	20,169,449			582.7%	259.0%	84.1%	72.1%
2032	18,507,908			649.5%	288.7%	88.5%	75.3%
2033 2034	16,900,770 15,354,410			722.7% 800.5%	321.2% 355.8%	92.7% 96.8%	78.4% 81.4%
2034	13,874,534	31,217,702		886.9%	394.2%	100.8%	84.4%
2036	12,467,528			977.2%	434.3%	104.5%	87.2%
2037	11,139,253			1075.2%	477.9%	108.0%	89.8%
2038	9,893,727	22,260,887	116,900,364	1181.6%	525.1%	111.3%	92.3%
2039	8,733,643	19,650,697		1295.2%	575.6%	114.4%	94.7%
2040	7,661,087	17,237,447		1411.9%	627.5%	117.2%	96.8%
2041	6,677,383	15,024,112		1530.5%	680.2%	119.8%	98.8%
2042	5,782,875			1655.6%	735.8%	122.1%	100.5%
2043 2044	4,976,278 4,254,893			1790.7% 1935.3%	795.9% 860.1%	124.1% 125.9%	102.1% 103.5%
2044	4,254,695	, ,		2084.6%	926.5%	125.9%	103.5%
2045	3,052,451	6,868,014		2235.8%	993.7%	128.9%	105.8%
2047	2,561,978	5,764,451		2396.3%	1065.0%	130.1%	106.8%
2048	2,137,880			2569.2%	1141.9%	131.1%	107.6%
2049	1,773,989	, ,		2757.6%	1225.6%	132.0%	108.3%
2050	1,464,113			2955.4%	1313.5%	132.8%	108.9%
2051	1,202,134	2,704,801		3156.3%	1402.8%	133.4%	109.4%
2052	982,183			3368.5%	1497.1%	133.9%	109.8%
2053 2054	798,687 646,470	, ,		3593.9% 3837.6%	1597.3% 1705.6%	134.4% 134.7%	110.1% 110.4%
2054	520,862	, ,	, ,	4092.2%	1818.7%	134.7%	110.4%
2055	417,755			4349.2%	1933.0%	135.3%	110.8%
2050	333,558	750,507		4612.0%	2049.8%	135.5%	111.0%
2058	265,141	596,568		4885.9%	2171.5%	135.6%	111.1%
2059	209,796	472,042		5177.8%	2301.2%	135.8%	111.2%
2060	165,225			5489.5%	2439.8%	135.9%	111.3%
2061	129,499			5802.2%	2578.8%	135.9%	111.4%
2062	101,008	227,267		6112.9%	2716.8%	136.0%	111.4%
2063 2064	78,399	176,399		6429.9% 6762.8%	2857.8%	136.1% 136.1%	111.5%
2004	60,541	136,218	4,094,289	6762.8%	3005.7%	136.1%	111.5%
PV Past	405,389,352	405,389,352	132,863,136	32.8%	32.8%		
PV Future	131,571,774			454.5%	239.1%		
PV Lifetime	536,961,126			136.1%	111.5%		

#### Exhibit IV Transamerica Life Insurance Company TPLIC Flex 2 TQ, TPLIC LTC 5 TQ, ML1 and MLPOOL

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

% of Active Policyholders Remaining	55.6%
If-Knew Increase	214.4%
Make-Up Increase	1296.8%
Blended Increase	816.2%
Cost-Sharing Increase 0-15% 15-50% 50-100% 100-150% >150%	15.00% 31.50% 37.50% 32.50% 333.09%
Maximum Allowable Rate Increase	188.6%

\* Based off of Exhibit III