

Allianz Life Insurance Company of North America

**Home Office:
5701 Golden Hills Drive
Minneapolis, MN 55416-1297**

Actuarial Memorandum Supporting 30% Aggregate Premium Rate Increase On Individual Long-Term Care Insurance Policy Forms

1. TYPE OF CHANGE

Allianz Life Insurance Company of North America (the Company) proposes the following rate revisions on the below long-term care (LTC) policy form. The company issued this policy form in Maryland between 2004 and 2007.

<u>Product Name</u>	<u>Form series (including associated riders)</u>
Generation Protector (GPR)	10-P-Q-MD

The premium rate increase request varies by benefit period. The table below provides the requested rate increase:

Policy Form Series	Benefit Period		
	2-4 Years	5-8 Years	Lifetime
GPR	20%	30%	38%

As the Company is not currently marketing new business, the required statement that the renewal premium rate schedules are not greater than the new business premium rate schedules is not applicable.

2. PURPOSE OF FILING

This memorandum has been prepared to provide actuarial information supporting a rate revision to premiums for the form series above. The rate revision meets the minimum requirements in the statutes of Maryland.

The Company is requesting a premium rate increase on the above-listed form, including all associated riders. This form is in need of a premium rate increase due to past and projected future experience that continues to be more adverse than previously expected and originally priced for.

3. LIMITATIONS AND EXCLUSIONS

This actuarial memorandum is intended to support the premium rate increases on the policy form described above and it is not appropriate to use for any other purposes.

4. HISTORY OF RATE REVISION

The table below provides the rate increase history in Maryland for the policy form series in this filing.

Rate Increase Round	Policy Form Series: GPR		
	Date of Approval	Rate Increase Amount	SERFF Tracking Number (if available)
First Rate Increase	11/13/2012	15.0%	ALLB-128730821
Second Rate Increase	5/19/2016	15.0%	ALLB-130163702
Third Rate Increase	7/2/2019	12.6%	ALLB-131810182
Fourth Rate Increase	10/14/2021	14.0%	ALLB-132894939

Exhibit 1 provides the rate increase history nationwide for the policy form series in this filing.

5. SCOPE AND APPLICABILITY

This filing applies to active premium paying policies issued in this state for the policy form listed above. This policy form is no longer being marketed. This policy form includes premium payment options and traditional level-pay-for-life. All premium paying policies are included in this filing and in the attached distribution of business Exhibits. Exhibit 1 provides a distribution of in-force policies and total annual premiums by issue state.

These rates when approved will be applied to policies delivered or issued for delivery in the state of Maryland, regardless of place of current residence.

6. DESCRIPTION OF BENEFITS

These plans are Guaranteed Renewable, Tax-Qualified, Individual Long Term Care Insurance plans. Plans cover facility care and home and community care where applicable. Premiums vary by issue age and are projected to be level for the duration of the policy, unless modified by the riders elected by the policyholder. Rider charges are factor based and are a multiplier of the base premium.

Several coverage options are available:

- ❖ Various Maximum Benefit Periods
- ❖ Various Daily Benefit Amounts
- ❖ Various Elimination Periods
- ❖ Facility Care Plan with various Home and Community Care Benefit levels
- ❖ Separate rates for different underwriting classes
- ❖ Separate rates for joint and single lives

7. POLICYHOLDER OPTIONS

Assuming that the proposed rate increase becomes effective, policyholders will have the following options upon notification of the rate increase:

Policyholder Options to Reduce Benefits:

Policyholders with benefits above the minimum coverage level have the option to modify their policy benefits to mitigate the impact of the proposed rate increase. As examples, the options include, but are not limited to the following:

1. Reduce their benefit period,
2. Lower their daily benefit,
3. Increase their elimination period,
4. Reduce or cancel cost of living accumulation (COLA) riders.

To further minimize the impact to policyholders: As a part of this rate increase, for a limited time policyholders who reduce or cancel their COLA benefit riders will maintain all of their past COLA benefit increase percentages. Future premiums and benefit increases will be based on the new coverage levels elected by the policyholder. If the policyholder reduces their daily benefit, then the past increase in daily benefit from COLA rider will be reduced by the same proportion.

Non-forfeiture Offers:

In addition, the Company will give the policyholder the option to accept a non-forfeiture benefit if they receive a premium increase at no charge. Acceptance of the non-forfeiture benefit will provide the policyholder with a reduced paid-up policy, with no future premiums required after the effective date of the policyholder's rate increase. Policyholders who elect this option will pay no additional premiums after the effective date of the rate increase, and their benefit pool will be their total premiums paid. In consideration of our policyholders, our company does not subtract past claims from the benefit pool prior to the election of this rider.

8. ISSUE YEAR

This form was sold from 2004 to 2007 in Maryland, and marketed nationally from 2003 through 2009. This form is no longer being issued in any state as Allianz stopped issuing all individual standalone long-term care insurance in 2010.

9. UNDERWRITING DESCRIPTION

All policies subject to this rate revision were subject to full underwriting in accordance with Company standards in place at the time of issue. Those underwriting standards were taken into consideration when projecting future experience.

10. MARKETING METHOD

Sales were conducted by individual agents, who sold primarily on an individual policy basis. The Company no longer sells long-term care insurance policies.

11. AREA FACTORS

The Company did not use area factors within the state.

12. AVERAGE ANNUAL PREMIUM PER INSURED

This section compares the average premiums of the Maryland policy form and nationwide policy form. The following table provides the average annual premium based on December 31, 2023 in-force policies for the policy form included in this filing, both without and with the requested increase.

Maryland Generation Protector Policy Form:

Current Average Annual Premium:	\$2,924	(623 Premium Paying Policies)
Proposed (30% increase):	\$3,796	

National Generation Protector Policy Form:

2023 Annual Premium:	\$2,726	(26,234 Premium Paying Policies)
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13. PREMIUM MODALIZATION RULES

The modal premium factors will remain unchanged from the current factors.

14. RESERVES

Active life reserves have not been used in the experience exhibits for this rate increase analysis for the purpose of demonstrating compliance with minimum loss ratio requirements.

At each valuation date, a claim reserve is computed for each active and pending claim case. For active claims, the claim reserve is calculated as the present value of future benefits from the valuation date to the end of the benefit period. Benefit amounts are discounted for interest and claim continuance. Claim reserves have been discounted and allocated to the appropriate incurred year.

15. BEST ESTIMATE ACTUARIAL ASSUMPTIONS

a. Morbidity:

Attained age claim costs and Waiver of Premium benefits used in projecting future experience for this form have been developed utilizing Company-specific policy experience enhanced with other industry data as needed. Claim costs vary by joint policy status (joint vs. single), gender and various levels of home health care with adjustments for elimination periods, benefit periods, and riders.

Claim costs are developed from first principle using company-specific historical claim experience. Allianz incidence rates are typically credible up to age 90. Allianz data was then graded towards industry data for ages 90 and above, ultimately equating with industry experience by age 100. Continuance and utilization rates from Allianz claim data were blended with industry data when experience lacked credibility (fewer than 1,000 beginning of month claim exposures). Allianz experience was generally in line with industry data.

Future claim costs are projected on a seriatim basis for each policyholder. These claim costs are adjusted according to each policy's benefit designs, such as COLA option, elimination periods and benefit periods.

Underwriting, claim management and product design were taken into consideration when setting the assumptions. Allianz historical experience includes the positive impact of underwriting selection. No scalar increases to the claim cost assumption are made within these projections to reflect future wear off from underwriting selection.

b. Mortality:

The projected future experience uses the gender-distinct 2012 Individual Annuitant Mortality (2012 IAM) table. This assumption is developed based on feedback from our consultants and is consistent with industry practice. The mortality assumption balances our morbidity assumption as neither is projected to have future improvements.

c. Persistency:

The Company's own experience was used in the development of the lapse assumption. The experience is determined to be credible through policy duration 15. The voluntary lapse assumption is split by duration, marital status and COLA option as follows:

Duration	Individual		Married	
	Non-COLA	COLA	Non-COLA	COLA
1	9.50%	7.00%	7.70%	3.50%
2	6.80%	4.50%	5.80%	2.50%
3	4.00%	2.20%	3.80%	1.50%
4	3.00%	1.50%	2.80%	1.25%
5	2.30%	1.30%	1.00%	0.50%
6	1.60%	0.90%	1.00%	0.50%
7+	1.40%	0.75%	1.00%	0.40%

Additional lapses caused by exhaustion of benefits are also modeled using claim incidence, continuance, and utilization rates.

Based on company experience, a 1% increase to lapse rate is assumed immediately after the implementation of the rate increase to account for the election of reduced paid up benefit.

d. Expected Benefit Reduction:

Based on company experience from previous rate increases, the cash flow projection for the proposed rate increase includes an expectation of policyholders lowering their lifetime maximum benefit.

Lifetime benefit period policies are projected to reduce to a 5 year benefit period 5% of the time and to a 3 year benefit period 4% of the time. Policyholders with a non-lifetime benefit period equal to or greater than 5 years are projected to reduce to a 3 year benefit period 3% of the time.

e. Interest and Investment Income:

The interest rate of 4.5% used in the original product filing is also used in these exhibits to calculate the loss ratio. Changes in interest rates and investment income are not used to justify the rate increase.

f. Expenses:

Changes in expense are not used to justify the rate increase and are not included in this analysis. It is assumed that original expense assumptions are still appropriate.

Exhibit 2 provides additional information and justification for the assumptions used in this filing.

The Company is no longer marketing long-term care products. As a result, the requirement to reflect on any assumptions that deviate from those used for pricing other forms currently available for sale is not applicable.

16. DEMONSTRATION OF SATISFACTION OF REQUIREMENTS

The projections included in this filing are produced by applying “best estimate” actuarial assumptions that reasonably reflect actual experience. All policies other than traditional-level-pay-for-life are excluded from the historical and projected experience used to calculate loss ratios. The anticipated lifetime loss ratio for policies based on Maryland specific rate history and these assumptions before the requested rate increase is 112.5% nationwide and 114.3% in Maryland based on pooled experience (Exhibit 3 & 4). The lifetime loss ratio after the requested rate increase is 105.1% nationwide and 106.1% in Maryland based on pooled experience (Exhibits 5 & 6).

The requested rate increase is not calculated to achieve a targeted loss ratio or to maintain rate stability since that would require a significantly larger rate increase. The request is meant to find a balance between the poor performance of the business and the impact of rate increases on our policyholders.

The Company is aware of COMAR 31.14.01.04A(5) and that the requested rate increase would result in an increase greater than 15%. The company would also like to advise policyholders about future rate increases and therefore the company requests an opportunity to work with the Administration to obtain a current approval of the requested premium rate increase with the agreement that the approved increase will be implemented at no more than 15% per year. However, experience in Exhibits 5 and 6 reflects a one-time rate increase implementation. Spreading the rate increase over multiple years would only increase the lifetime loss ratios.

A detailed demonstration of the alternative 58/85 calculations justifying the rate increase can be found in Exhibit 7. A majority of policies subject to this rate increase are eligible for the Contingent Benefit Upon Lapse, so the alternative version of the 58/85 calculation, which uses the greater of 58% and the original pricing loss ratio of 65.5%, is provided per post-rate stability regulation. The justifiable rate increases under moderately adverse conditions are over 200% on a nationwide basis based on pooled experience. Moderately adverse conditions for the 58/85 calculation are defined as a 10% increase in future claim cost over the current best estimate. All of the policies in this filing are subject to post-rate stability requirements.

17. ANALYSIS PERFORMED TO CONSIDER A RATE INCREASE

The initial premium schedules were based on pricing assumptions that reflected the Company’s best estimate utilizing the available information at the time. Recent experience studies performed show that experience is more unfavorable than previously assumed which resulted in assumptions being updated and has led to the Company requesting a rate increase on this product. The requested rate level is comprised of the remainder of the 2021 requests for each benefit period that was not approved, and is consistent with the approach taken in jurisdictions which approved less than the 2021 requests. The Maryland specific

experience lacks credibility and was not considered on its own in determining the requested rate level compared to our nationwide requests. The original pricing assumptions compared to our current assumptions are included in Exhibit 8.

18. LOSS RATIOS

The lifetime loss ratios for the policy form series split by benefit period are provided in the table below both without and with the requested rate increase. To reflect Maryland specific rate history, nationwide loss ratios are restated to reflect rate increases implemented in Maryland. For actuarial modeling purposes the requested rate increase is assumed to be effective December 2024.

Benefit Period	Before Increase	After Increase
Maryland		
2-4 Years	93.7%	90.4%
5-8 Years	119.9%	111.2%
Lifetime	127.8%	114.8%
All	114.3%	106.1%
Nationwide		
2-4 Years	93.7%	90.7%
5-8 Years	118.5%	110.7%
Lifetime	125.6%	113.5%
All	112.5%	105.1%

19. DISTRIBUTION OF BUSINESS

The historical experience reflects the actual distribution of policies during the experience period. We used the current distribution of business as of December 31, 2023 to project future experience.

Benefit period	Nationwide						Grand Total
	5% Compound COLA	4% Compound COLA	3% Compound COLA	5% Simple COLA	Two Times COLA	No COLA	
2-Year	0.4%	0.1%	0.3%	0.3%	0.2%	1.0%	2.3%
3-Year	4.6%	1.0%	2.9%	2.6%	1.4%	5.3%	17.7%
4-Year	5.7%	1.3%	2.7%	2.2%	0.9%	3.2%	16.0%
5-Year	9.8%	2.1%	4.4%	3.2%	1.5%	6.4%	27.4%
8-Year	4.7%	1.0%	1.9%	1.2%	0.8%	2.5%	12.1%
Lifetime	10.3%	1.4%	3.4%	3.3%	1.2%	5.0%	24.5%
Grand Total	35.6%	6.8%	15.6%	12.7%	6.0%	23.3%	100.0%

Benefit period	Maryland						Grand Total	Proposed Rate Increase	Policyholders Impacted
	5% Compound COLA	4% Compound COLA	3% Compound COLA	5% Simple COLA	Two Times COLA	No COLA			
2-Year	0.2%	0.0%	0.3%	0.2%	0.5%	2.6%	3.7%	20%	23
3-Year	6.9%	1.3%	1.4%	1.6%	1.8%	3.4%	16.4%	20%	102
4-Year	5.3%	2.4%	3.4%	1.0%	1.9%	1.6%	15.6%	20%	97
5-Year	10.6%	1.9%	3.7%	2.2%	4.3%	4.3%	27.1%	30%	169
8-Year	8.0%	1.1%	0.6%	1.3%	0.5%	0.6%	12.2%	30%	76
Lifetime	14.8%	1.6%	2.6%	2.1%	0.5%	3.5%	25.0%	38%	156
Grand Total	45.7%	8.3%	12.0%	8.3%	9.5%	16.1%	100.0%	30%	623

20. ACTUARIAL CERTIFICATION

I am an Associate of the Society of Actuaries and a Member of the American Academy of Actuaries, and I meet the Academy's qualifications standards for preparing health rate filings.


Claims, reserves, and policyholder data are provided by our third party administrator and our valuation actuaries. Data was reviewed for reasonableness.

I hereby certify that, to the best of my knowledge and belief:

- a. It complies with Actuarial Standards of Practice No. 8 "Regulatory Filings for Rates and Financial Projections for Health Plans";
- b. The premiums charged after the proposed rate increase is not unfairly discriminatory and the premiums after the proposed rate increase are not excessive. The proposed premium rate increase is not sufficient to prevent future rate actions by the company and benefits currently are not reasonable in relation to the premiums charged.
- c. Assumptions within this filing are based on best estimate without provision for adverse deviation while interest rates used are based on original product filing.
- d. Policy design, underwriting, and claims adjudication practices have been taken into consideration.

ALLIANZ LIFE INSURANCE COMPANY OF NORTH AMERICA

By:



Name: Scott Laska, ASA, MAAA

Assistant Actuary

Its: Authorized Designee

April 12, 2024

Exhibit 3
Allianz Life Insurance Company of North America
Nationwide Experience
Policy Form Series: GPR
As of 12/31/2023
No Requested Rate Increase

<u>Year</u>	<u>Earned Premium</u>	<u>Incurred Claims</u>	<u>Loss Ratio</u>
2003	\$806,880	\$0	0.0%
2004	\$15,316,014	\$447,442	2.9%
2005	\$36,109,668	\$1,117,653	3.1%
2006	\$56,184,971	\$5,006,692	8.9%
2007	\$64,264,486	\$4,526,857	7.0%
2008	\$64,542,320	\$6,827,340	10.6%
2009	\$62,941,879	\$7,243,169	11.5%
2010	\$61,219,171	\$8,046,635	13.1%
2011	\$59,763,283	\$8,693,799	14.5%
2012	\$58,641,221	\$12,924,147	22.0%
2013	\$57,557,151	\$13,199,525	22.9%
2014	\$60,001,518	\$20,451,528	34.1%
2015	\$61,391,713	\$21,969,099	35.8%
2016	\$59,864,892	\$28,789,199	48.1%
2017	\$61,314,569	\$28,018,900	45.7%
2018	\$63,005,269	\$35,239,811	55.9%
2019	\$61,181,204	\$37,184,217	60.8%
2020	\$62,483,486	\$38,858,090	62.2%
2021	\$63,266,492	\$64,968,099	102.7%
2022	\$61,533,279	\$71,049,963	115.5%
2023	\$63,658,473	\$87,452,718	137.4%
2024	\$62,933,748	\$63,542,222	101.0%
2025	\$60,826,945	\$72,872,038	119.8%
2026	\$57,975,588	\$80,823,321	139.4%
2027	\$55,070,378	\$89,686,559	162.9%
2028	\$52,114,439	\$99,463,118	190.9%
2029	\$49,125,836	\$109,260,366	222.4%
2030	\$46,112,045	\$119,028,161	258.1%
2031	\$43,090,105	\$128,145,876	297.4%
2032	\$40,070,878	\$136,753,351	341.3%
2033	\$37,080,299	\$143,954,603	388.2%
2034	\$34,131,885	\$150,195,041	440.0%
2035	\$31,247,203	\$155,072,094	496.3%
2036	\$28,439,755	\$159,001,637	559.1%
2037	\$25,735,337	\$161,043,395	625.8%
2038	\$23,145,972	\$161,657,425	698.4%
2039	\$20,689,078	\$160,416,040	775.4%
2040	\$18,372,906	\$157,887,023	859.3%
2041	\$16,213,823	\$153,358,058	945.8%
2042	\$14,214,974	\$147,697,877	1039.0%
2043	\$12,382,730	\$140,841,078	1137.4%
2044	\$10,714,907	\$133,446,844	1245.4%
2045	\$9,214,047	\$124,927,905	1355.8%
2046	\$7,872,033	\$115,955,853	1473.0%
2047	\$6,683,143	\$106,601,775	1595.1%
2048	\$5,636,915	\$97,453,550	1728.8%
2049	\$4,726,833	\$88,138,745	1864.6%
2050	\$3,940,352	\$79,158,051	2008.9%
2051	\$3,266,708	\$70,468,866	2157.2%
2052	\$2,693,010	\$62,512,389	2321.3%
2053	\$2,209,417	\$54,996,580	2489.2%
2054	\$1,803,838	\$48,173,257	2670.6%
2055	\$1,466,142	\$41,917,330	2859.0%
2056	\$1,185,917	\$36,300,844	3061.0%
2057	\$955,175	\$31,119,057	3257.9%
2058	\$765,668	\$26,530,439	3465.0%
2059	\$610,931	\$22,469,779	3678.0%
2060	\$484,963	\$18,983,636	3914.5%
2061	\$383,189	\$15,874,968	4142.9%
2062	\$301,152	\$13,197,428	4382.3%
2063	\$235,408	\$10,895,649	4628.4%
2064	\$182,910	\$8,973,736	4906.1%
2065	\$141,363	\$7,314,875	5174.5%
2066	\$108,586	\$5,906,012	5439.0%
2067	\$82,895	\$4,699,893	5669.7%
2068	\$62,834	\$3,707,525	5900.5%
2069	\$47,305	\$2,881,630	6091.6%
2070	\$35,332	\$2,220,287	6284.0%
2071	\$26,181	\$1,690,668	6457.7%
2072+	\$67,002	\$4,876,777	7278.5%

Summary of Experience at 4.5%

	<u>Earned Premium</u>	<u>Incurred Claims</u>	<u>Loss Ratio</u>
Historical (YE2023)	\$1,798,378,931	\$636,750,393	35.4%
Projected Future (2024 +)	\$560,376,926	\$2,015,727,223	359.7%
Total Lifetime Anticipated	\$2,358,755,857	\$2,652,477,616	112.5%

Exhibit 4
Allianz Life Insurance Company of North America
Maryland Experience
Policy Form Series: GPR
As of 12/31/2023
No Requested Rate Increase

<u>Year</u>	<u>Earned Premium</u>	<u>Incurred Claims</u>	<u>Loss Ratio</u>
2003	\$0	\$0	0.0%
2004	\$180,609	\$0	0.0%
2005	\$737,010	\$0	0.0%
2006	\$1,383,527	\$1,540	0.1%
2007	\$1,635,783	\$334,770	20.5%
2008	\$1,606,664	\$283,806	17.7%
2009	\$1,566,492	\$0	0.0%
2010	\$1,526,013	\$4,042	0.3%
2011	\$1,495,611	\$131,982	8.8%
2012	\$1,477,577	\$142,642	9.7%
2013	\$1,445,361	\$0	0.0%
2014	\$1,500,384	\$413,233	27.5%
2015	\$1,563,863	\$310,793	19.9%
2016	\$1,539,197	\$681,037	44.2%
2017	\$1,587,980	\$159,661	10.1%
2018	\$1,650,946	\$869,395	52.7%
2019	\$1,620,959	\$260,450	16.1%
2020	\$1,678,145	\$1,392,758	83.0%
2021	\$1,737,327	\$2,917,991	168.0%
2022	\$1,711,979	\$2,722,219	159.0%
2023	\$1,780,976	\$1,208,811	67.9%
2024	\$1,768,316	\$1,601,948	90.6%
2025	\$1,710,322	\$1,825,709	106.7%
2026	\$1,630,385	\$2,017,533	123.7%
2027	\$1,549,345	\$2,236,717	144.4%
2028	\$1,467,266	\$2,483,009	169.2%
2029	\$1,384,649	\$2,736,069	197.6%
2030	\$1,301,710	\$2,990,771	229.8%
2031	\$1,218,900	\$3,238,445	265.7%
2032	\$1,136,447	\$3,482,626	306.4%
2033	\$1,055,022	\$3,697,381	350.5%
2034	\$974,948	\$3,890,006	399.0%
2035	\$896,779	\$4,055,397	452.2%
2036	\$820,827	\$4,198,882	511.5%
2037	\$747,718	\$4,296,358	574.6%
2038	\$677,691	\$4,360,866	643.5%
2039	\$611,131	\$4,377,068	716.2%
2040	\$548,172	\$4,363,441	796.0%
2041	\$489,202	\$4,297,204	878.4%
2042	\$434,237	\$4,206,552	968.7%
2043	\$383,413	\$4,083,943	1065.2%
2044	\$336,661	\$3,948,912	1173.0%
2045	\$294,052	\$3,778,239	1284.9%
2046	\$255,373	\$3,590,479	1406.0%
2047	\$220,515	\$3,382,013	1533.7%
2048	\$189,235	\$3,170,933	1675.7%
2049	\$161,457	\$2,942,425	1822.4%
2050	\$136,930	\$2,709,960	1979.1%
2051	\$115,439	\$2,473,073	2142.3%
2052	\$96,704	\$2,240,788	2317.2%
2053	\$80,547	\$2,009,651	2495.0%
2054	\$66,691	\$1,793,621	2689.4%
2055	\$54,912	\$1,584,001	2884.6%
2056	\$44,946	\$1,390,895	3094.6%
2057	\$36,597	\$1,207,659	3299.9%
2058	\$29,632	\$1,042,136	3516.9%
2059	\$23,862	\$891,144	3734.6%
2060	\$19,099	\$759,380	3976.1%
2061	\$15,209	\$637,707	4193.0%
2062	\$12,045	\$535,492	4445.6%
2063	\$9,494	\$444,956	4686.9%
2064	\$7,448	\$371,453	4987.2%
2065	\$5,824	\$305,214	5241.0%
2066	\$4,538	\$248,779	5482.0%
2067	\$3,529	\$200,726	5688.7%
2068	\$2,740	\$160,277	5848.5%
2069	\$2,130	\$127,042	5963.1%
2070	\$1,656	\$100,415	6065.4%
2071	\$1,284	\$78,412	6106.5%
2072+	\$3,754	\$255,576	6807.5%

Summary of Experience at 4.5%

	<u>Earned Premium</u>	<u>Incurred Claims</u>	<u>Loss Ratio</u>
Historical (YE2023)	\$45,141,806	\$14,420,134	31.9%
Projected Future (2024 +)	\$16,039,196	\$55,505,514	346.1%
Total Lifetime Anticipated	\$61,181,002	\$69,925,648	114.3%

Exhibit 5
Allianz Life Insurance Company of North America
Nationwide Experience
Policy Form Series: GPR
As of 12/31/2023
With Average 30% Rate Increase

<u>Year</u>	<u>Earned Premium</u>	<u>Incurred Claims</u>	<u>Loss Ratio</u>
2003	\$806,880	\$0	0.0%
2004	\$15,316,014	\$447,442	2.9%
2005	\$36,109,668	\$1,117,653	3.1%
2006	\$56,184,971	\$5,006,692	8.9%
2007	\$64,264,486	\$4,526,857	7.0%
2008	\$64,542,320	\$6,827,340	10.6%
2009	\$62,941,879	\$7,243,169	11.5%
2010	\$61,219,171	\$8,046,635	13.1%
2011	\$59,763,283	\$8,693,799	14.5%
2012	\$58,641,221	\$12,924,147	22.0%
2013	\$57,557,151	\$13,199,525	22.9%
2014	\$60,001,518	\$20,451,528	34.1%
2015	\$61,391,713	\$21,969,099	35.8%
2016	\$59,864,892	\$28,789,199	48.1%
2017	\$61,314,569	\$28,018,900	45.7%
2018	\$63,005,269	\$35,239,811	55.9%
2019	\$61,181,204	\$37,184,217	60.8%
2020	\$62,483,486	\$38,858,090	62.2%
2021	\$63,266,492	\$64,968,099	102.7%
2022	\$61,533,279	\$71,049,963	115.5%
2023	\$63,658,473	\$87,452,718	137.4%
2024	\$62,978,869	\$63,542,222	100.9%
2025	\$72,515,671	\$71,976,782	99.3%
2026	\$73,230,687	\$79,589,332	108.7%
2027	\$69,579,831	\$88,247,127	126.8%
2028	\$65,863,581	\$97,799,011	148.5%
2029	\$62,104,542	\$107,370,168	172.9%
2030	\$58,312,030	\$116,914,159	200.5%
2031	\$54,507,418	\$125,821,342	230.8%
2032	\$50,704,340	\$134,227,576	264.7%
2033	\$46,935,457	\$141,252,223	300.9%
2034	\$43,217,830	\$147,332,063	340.9%
2035	\$39,578,697	\$152,074,040	384.2%
2036	\$36,035,183	\$155,886,860	432.6%
2037	\$32,619,976	\$157,848,954	483.9%
2038	\$29,348,423	\$158,412,948	539.8%
2039	\$26,242,686	\$157,161,769	598.9%
2040	\$23,313,371	\$154,653,165	663.4%
2041	\$20,581,355	\$150,189,199	729.7%
2042	\$18,050,789	\$144,619,148	801.2%
2043	\$15,729,931	\$137,878,202	876.5%
2044	\$13,616,233	\$130,610,865	959.2%
2045	\$11,713,160	\$122,244,341	1043.6%
2046	\$10,010,657	\$113,438,418	1133.2%
2047	\$8,501,690	\$104,263,500	1226.4%
2048	\$7,173,196	\$95,292,651	1328.5%
2049	\$6,017,076	\$86,161,527	1432.0%
2050	\$5,017,544	\$77,360,123	1541.8%
2051	\$4,161,051	\$68,846,877	1654.6%
2052	\$3,431,333	\$61,053,601	1779.3%
2053	\$2,815,977	\$53,694,935	1906.8%
2054	\$2,299,696	\$47,016,727	2044.5%
2055	\$1,869,670	\$40,897,504	2187.4%
2056	\$1,512,701	\$35,407,988	2340.7%
2057	\$1,218,659	\$30,347,385	2490.2%
2058	\$977,076	\$25,868,976	2647.6%
2059	\$779,749	\$21,907,422	2809.5%
2060	\$619,058	\$18,507,234	2989.6%
2061	\$489,188	\$15,475,509	3163.5%
2062	\$384,474	\$12,864,255	3345.9%
2063	\$300,534	\$10,619,251	3533.5%
2064	\$233,494	\$8,744,216	3744.9%
2065	\$180,435	\$7,125,618	3949.1%
2066	\$138,573	\$5,751,607	4150.6%
2067	\$105,763	\$4,576,465	4327.1%
2068	\$80,145	\$3,610,711	4505.2%
2069	\$60,316	\$2,807,574	4654.8%
2070	\$45,032	\$2,164,488	4806.5%
2071	\$33,354	\$1,649,190	4944.5%
2072+	\$85,244	\$4,760,034	5584.0%

Summary of Experience at 4.5%

	<u>Earned Premium</u>	<u>Incurred Claims</u>	<u>Loss Ratio</u>
Historical (YE2023)	\$1,798,378,931	\$636,750,393	35.4%
Projected Future (2024 +)	\$688,709,592	\$1,977,943,089	287.2%
Total Lifetime Anticipated	\$2,487,088,523	\$2,614,693,482	105.1%

Exhibit 6
Allianz Life Insurance Company of North America
Maryland Experience
Policy Form Series: GPR
As of 12/31/2023
With Average 30% Rate Increase

<u>Year</u>	<u>Earned Premium</u>	<u>Incurred Claims</u>	<u>Loss Ratio</u>
2003	\$0	\$0	0.0%
2004	\$180,609	\$0	0.0%
2005	\$737,010	\$0	0.0%
2006	\$1,383,527	\$1,540	0.1%
2007	\$1,635,783	\$334,770	20.5%
2008	\$1,606,664	\$283,806	17.7%
2009	\$1,566,492	\$0	0.0%
2010	\$1,526,013	\$4,042	0.3%
2011	\$1,495,611	\$131,982	8.8%
2012	\$1,477,577	\$142,642	9.7%
2013	\$1,445,361	\$0	0.0%
2014	\$1,500,384	\$413,233	27.5%
2015	\$1,563,863	\$310,793	19.9%
2016	\$1,539,197	\$681,037	44.2%
2017	\$1,587,980	\$159,661	10.1%
2018	\$1,650,946	\$869,395	52.7%
2019	\$1,620,959	\$260,450	16.1%
2020	\$1,678,145	\$1,392,758	83.0%
2021	\$1,737,327	\$2,917,991	168.0%
2022	\$1,711,979	\$2,722,219	159.0%
2023	\$1,780,976	\$1,208,811	67.9%
2024	\$1,768,855	\$1,601,948	90.6%
2025	\$2,031,346	\$1,803,427	88.8%
2026	\$2,061,238	\$1,985,046	96.3%
2027	\$1,959,165	\$2,198,896	112.2%
2028	\$1,855,772	\$2,439,398	131.4%
2029	\$1,751,689	\$2,686,600	153.4%
2030	\$1,647,180	\$2,935,544	178.2%
2031	\$1,542,809	\$3,177,616	206.0%
2032	\$1,438,858	\$3,416,247	237.4%
2033	\$1,336,170	\$3,625,910	271.4%
2034	\$1,235,147	\$3,813,790	308.8%
2035	\$1,136,488	\$3,974,906	349.8%
2036	\$1,040,585	\$4,114,562	395.4%
2037	\$948,226	\$4,209,167	443.9%
2038	\$859,716	\$4,271,484	496.8%
2039	\$775,546	\$4,286,487	552.7%
2040	\$695,890	\$4,272,426	614.0%
2041	\$621,244	\$4,206,835	677.2%
2042	\$551,631	\$4,117,314	746.4%
2043	\$487,230	\$3,996,576	820.3%
2044	\$427,955	\$3,863,525	902.8%
2045	\$373,906	\$3,695,587	988.4%
2046	\$324,816	\$3,510,955	1080.9%
2047	\$280,554	\$3,306,010	1178.4%
2048	\$240,822	\$3,098,537	1286.6%
2049	\$205,525	\$2,874,123	1398.4%
2050	\$174,347	\$2,646,019	1517.7%
2051	\$147,021	\$2,413,766	1641.8%
2052	\$123,192	\$2,186,325	1774.7%
2053	\$102,637	\$1,960,172	1909.8%
2054	\$85,005	\$1,748,775	2057.3%
2055	\$70,011	\$1,543,720	2205.0%
2056	\$57,322	\$1,354,911	2363.7%
2057	\$46,689	\$1,175,739	2518.2%
2058	\$37,816	\$1,013,989	2681.4%
2059	\$30,462	\$866,481	2844.5%
2060	\$24,389	\$737,790	3025.0%
2061	\$19,428	\$618,995	3186.1%
2062	\$15,391	\$519,244	3373.6%
2063	\$12,134	\$430,964	3551.8%
2064	\$9,522	\$359,327	3773.7%
2065	\$7,447	\$294,900	3959.8%
2066	\$5,805	\$240,136	4136.7%
2067	\$4,515	\$193,601	4288.1%
2068	\$3,507	\$154,537	4405.9%
2069	\$2,727	\$122,516	4492.1%
2070	\$2,120	\$96,912	4571.7%
2071	\$1,644	\$75,731	4605.5%
2072+	\$4,806	\$246,995	5139.4%

Summary of Experience at 4.5%

	<u>Earned Premium</u>	<u>Incurred Claims</u>	<u>Loss Ratio</u>
Historical (YE2023)	\$45,141,806	\$14,420,134	31.9%
Projected Future (2024 +)	\$19,726,429	\$54,413,564	275.8%
Total Lifetime Anticipated	\$64,868,234	\$68,833,698	106.1%

Exhibit 7
65.5%/85% Calculations
Allianz Life Insurance of North America
Nationwide Experience
Policy Form Series: GPR

a)	The accumulated value of the initial earned premium is	1,638
	65.5% of this value:	1,073
b)	The accumulated value of prior premium rate schedule increases is	160
	85% of this value:	136
c)	The present value of future projected initial earned premiums is	340
	65.5% of this value:	223
d)	The present value of future projected earned premium from prior premium rate schedule increases is	220
	PV of future projected EP from requested rate increase:	128
	Combined:	349
	85% of this value:	296
e)	The accumulated value of past incurred claims is	637
	The present value of future projected incurred claims* is	2,176
	sum of these 2 values:	2,812
f)	The sum of a,b,c and d is	1,728
	This amount is less than e)	2,812

*Projected incurred claims contain a 10% margin for moderately adverse experience.