

**FLORIDA BIRTH-RELATED NEUROLOGICAL INJURY
COMPENSATION ASSOCIATION
BOARD MEETING AGENDA**

July 6, 2023

1:00 p.m.

1. Call to Order and Welcome
2. Minutes.....A
3. Investments
 - A. Performance Review.....B
 - B. Asset Allocation Study..... C
 - C. Revised Investment Policy.....D
4. Actuarial Update
 - A. September 30, 2022 Reserve Report.....E
 - B. Threshold Report.....F
 - C. OIR Reserve Review.....G
5. Legislative Update
 - A. Proviso Language.....H
6. Executive Director Report
7. Net Assets/Threshold Calculation
 - A. Estimated Net Assets.....I
 - B. Projected Long Term Net Assets.....J
 - C. Threshold Calculation.....K
8. Administrative
 - A. Long term staffing plan.....L
 - B. Office space.....M
9. Future Planning for Participant Families Discussion
10. Public Testimony
11. Board Votes
12. Next Meeting – August 24, 2023, 10:00 am – 4:00 pm via Zoom

Agenda Item # 2 (Tab A)

Minutes

MINUTES OF THE MEETING
THE FLORIDA BIRTH-RELATED
NEUROLOGICAL INJURY COMPENSATION ASSOCIATION

March 10, 2023
Virtual Meeting via Zoom Video and Zoom Conference Call

The March 10, 2023, meeting of the Board of Directors of the Florida Birth-Related Neurological Injury Compensation Association was called to order by Chair Jim DeBeaugrine.

Board members present and constituting a quorum were:

Jim DeBeaugrine, MPA
Renee Oliver
Robert A. London, M.D.
Narendra Dereddy, M.D.
Julie Ann Zemaitis DeCesare, M.D.
Bradley Tilghman

Also present:

Melissa Jaacks, NICA Interim Executive Director
Tim Daughtry, NICA Deputy Director
Steve Ecenia, NICA General Counsel
Matt Dufek, Kikoda/NICA's IT Contractor
Katy Wojciechowski, NICA Investment Consultant
Felicia Bennett, Wilshire Consulting
Morgan Husbands, Florida Department of Financial Services
Paul Whitfield, Florida Department of Financial Services
Denishia Sword, Office of the Insurance Consumer Advocate
Christina Huff, Florida Office of Insurance Regulation
Ashley Evelo-Burnham, NICA Staff
Linda Nelson, NICA Staff
Pilar Delp, NICA Staff
Barbara Lopez Avila
Carol Watson
Fatima Cruz
Jackie Amorim
James Bell
Jennifer Pham
John Romine
Laura Sokalski
Michelle Perez
Rachel Rexford
Tricia Parrish

**Attendees who did not provide full names, were only logged in briefly or who did not identify themselves are not included on this list.

The Chair recognized NICA's General Counsel, Steve Ecenia. Mr. Ecenia announced that there would be no need for an executive session at the meeting. He requested an executive session at the next meeting. The request was granted.

The Chair welcomed new Board member, Bradley Tilghman

MINUTES

The Chair asked for a motion to approve the minutes of the December 1, 2022 Board meeting.

A motion was made to approve the minutes as drafted. The motion passed unanimously.

REPORT ON EXECUTIVE DIRECTOR SEARCH

An executive director search committee had been established to vet candidates. Several highly qualified candidates had expressed interested in the position.

Since the last Board meeting, the interim executive director, Melissa Jaacks, had expressed interest in pursuing the position permanently. Based on previous comments from the Board and public comments, Ms. Jaacks would be the top candidate who would be chosen by the Board.

The Chair asked for comment from the Board members as to whether or not the position should be offered to Ms. Jaacks.

The Chair recognized Dr. London who stated that Ms. Jaacks had done an exceptional job. He was impressed with her grasp of the issues and challenges and that she was an excellent communicator. The organization had found momentum. He was in favor of offering the position to Ms. Jaacks. Dr. London made a motion to offer the position of executive director to Melissa Jaacks.

Dr. DeCesare seconded Dr. London's motion and whole heartedly supported his comments. She has complete confidence in Ms. Jaacks' ability to lead the organization.

Ms. Oliver agreed with the comments made by Dr. London and Dr. DeCesare. She stated that Ms. Jaacks had done so much for the organization and that she was always open and willing to talk to any of the parents and had been a problem solver for them.

Dr. Dereddy supported the comments made by the other Board members about Ms. Jaacks. He's very satisfied with the job she had done and how things are going at NICA.

The Chair asked if anyone from the public who would like to comment or if there was any objection.

The motion had been made and seconded to hire Melissa Jaacks as the Executive Director on a permanent basis. The motion passed unanimously.

EXECUTIVE DIRECTOR'S REPORT/LEGISLATIVE UPDATE

Ms. Jaacks thanked the Board for their support and confidence. She takes commitment very seriously. Previously, she had been a trouble shooter, moving from project to project. NICA has lots of challenges and complex issues ahead. She does not want NICA to backslide and wants to continue the forward progress. NICA has a great Board, great staff and great families which was part of why she made the decision to stay.

Over the last year, there had been a lot of reacting versus acting. The next focus would be on active and proactive steps.

Legislative

As discussed at the previous Board meeting, areas where NICA is actively seeking legislation include:

1. Solidifying benefits already approved by the Board and already included in reserves.
2. Legislative staff had requested a list of benefits that parents had requested that would have a fiscal impact as well as changes that do not have a clear fix. NICA's actuaries have estimated the cost of those benefits. In addition to the examples discussed at the prior Board meeting, a benefit that was included in the list was the ability to pay more than one caregiver at a time in certain circumstances.

Since NICA is in a deficit position, as a fiduciary, the Board could not advocate for the benefits that would increase costs.

3. It is important to educate members for the legislature regarding the impact of NICA paying as primary to Medicaid.

Internal Policies and Procedures

As mentioned at the previous Board meeting, expanding and updating internal policies and procedures would continue to be a focus. The case manager handbook which would replace the Claims Manual is currently being written.

There are 4 benefit handbook addendums on the website. These are not new benefits but are for clarification only.

Medicaid

NICA staff had met with staff from AHCA to discuss options for transitioning NICA participants to NICA as primary to Medicaid. The preferred option would be to allow NICA families to continue to use the service delivery system. Claims would be adjudicated on the back end with AHCA billing NICA for those expenses. This would be the easiest transition for NICA participants. AHCA staff indicated they would review to determine what obstacles this may present and whether it would be allowed or if legislative action would be required.

As part of the transition, a satisfaction survey had been completed with NICA families who were also covered by Medicaid to determine their level of satisfaction with Medicaid. 66% were either satisfied or very satisfied with their Medicaid coverage.

The driving purpose in the transition is to make it as seamless as possible for NICA families.

Auditor General Operational Audit

The legislation passed in 2021 added a requirement that the Auditor General conduct an operational audit at least once every three years. An audit was scheduled with the entrance conference to be held March 15, 2023. After reviewing the previous audit report, Ms. Jaacks felt that NICA was in a good position with respect to the areas previously identified.

Routine and Non-Routine Board Duties

- Meeting minutes – every meeting
- Reserve and threshold calculations – quarterly
- Audited financial statements – annually – due to CFO’s office by end of August
- Benefit Handbook approval – annually – if votes needed in the interim, these will be presented to board
- Administrative budget – the board previously approved a continuing budget – votes would only be needed for changes
- Investment plan – as needed - expecting to bring a new investment plan at next meeting
- Liquidation of investments – Executive Director has authority to rebalance the portfolio but needs Board authorization to liquidate
- Approval of bank signatories – as needed
- Review of rates for family care reimbursement each December. By policy, NICA is tied to the Medicaid rates for these reimbursements. To avoid going many years without increases, the Board had agreed to review these rates each December.
- Timing of board meetings:
 1. As close to the end of august as possible to approve audited statements
 2. Dates of other meeting can be more flexible

INVESTMENT UPDATE

Katy Wojciechowski and Felicia Bennett followed with a presentation of overall economic fundamentals, NICA's investment results and asset allocations.

Equity and fixed income returns had improved through January 2023 but February was more volatile. Inflation continued to be a concern.

NICA's portfolio had positive results for the quarter ending December 31, 2022 but had negative results for the year. The managers had underperformed the benchmarks.

NICA's assets are heavily weighted to long duration bonds. The portfolio is slightly more passive than active with the US Equity and Fixed Income composites being passive while the Non-US Equity composite is actively managed.

The asset allocation study was nearing completion. Given the change in liquidity needs, it was anticipated there would be a change in the allocation. They are creating a plan to make the transition. The Board is responsible for approving asset allocations while maintenance and implementation are delegated to staff.

RESERVE REVIEW/UPDATE

Around 99% of NICA's liabilities are claims reserves which are the estimated costs of continuing to provide services to participants currently in the program as well as estimated future participants who have been born but are not currently in the program. The reserves are similar to the liabilities of a pension fund.

Significant amounts of time and energy are put into the December 31st reserves. Life expectancies are updated and current and future costs are estimated for each participant. Other quarters are updates. Staff are behind in completing the December review due to the implementation of new and improved processes of determining life expectancies.

In future years, the December reserves should be completed by NICA staff and transmitted to the actuaries by the end of January. The actuaries would need approximately two months to complete their work with an additional two weeks for the second actuary to review. It was estimated that beginning with the December 2023 reserves, the December actuarial report would be ready by mid-April.

For other quarters, staff should be able to transmit data to the actuaries two weeks after the end of the quarter. The actuaries would need around one month to complete their work with an additional two weeks for the second actuary to review. This would result in actuarial reports being ready approximately two months after the end of a quarter.

The December 31, 2022 reserves would not be ready until late May or mid-June.

The September 30, 2022 actuarial report had not yet been presented to the Board. The report was delayed due to the Medicaid settlement agreement. An additional 31 days of Medicaid liability had to be added to the report and shown separately. The data was sent to the actuary during his busiest time which further delayed the report.

Ms. Jaacks reiterated that staff had spent the last 15 months reacting and are ready to move into the action mode with a better routine.

In addition to the actuarial report, NICA's actuaries prepare the statutorily required threshold calculation. This calculation is a guardrail to ensure that NICA doesn't stray too far from being fully funded.

A schedule showing the impacts on net assets since June 30, 2022 was presented. This was an update to a similar presentation at the December meeting. The previous version, which was as of October 31, 2022, showed an estimated deficit of \$283 million. The estimated deficit as of January 31, 2023 was \$142 million which was a much better position. The impact of no longer being secondary to Medicaid was approximately \$152 million.

CASH FLOW REVIEW/UPDATE

Ms. Jaacks reminded the Board that for the fiscal year 6/30/2020, NICA had collected more in assessments than it paid out in benefits. However, in the two most recent fiscal years, NICA had paid out more than it collected and this trend would continue for the foreseeable future. The estimated cash deficit for fiscal year 2023 that was presented at the previous Board meeting was approximately \$8.4 million. That number did not include the estimated cash flow impact of the Medicaid transition which was estimated at an additional \$7 million.

Estimating the short term cash flows is difficult due to the unusual payments that have occurred over the past two years. A schedule showing variances in benefit payments compared to budgeted amount for the six months ending December 31, 2022 was presented. Non-recurring payments such as retroactive family care and retroactive parental award were adjusted out of the variances. While there were some significant variances, there was nothing to indicate that reserves needed to be adjusted. The original estimate of custodial care did not contemplate new families coming into the program which accounted for approximately \$1.3 million of the variance. The amounts paid for housing was higher due to the increase in the housing benefit from the 2021 legislation. Many of the existing families utilized this benefit.

PUBLIC TESTIMONY

A parent addressed the board and asked when the doctors' assessment rates would be increased.

OTHER

The Chair asked if any other board members had questions or comments.

Dr. Dereddy asked if legislation could be passed that would make Medicaid primary to NICA for eligible participants.

Ms. Jaacks pointed out that even if the Florida legislature passed it, there's no assurance that the Federal government would agree. In the report that AHCA presented to the legislature in November 2021, they requested direction from the legislature in how to proceed but has not received that direction.

Steve Ecenia added that they had worked with the CFO's office to engage with AHCA to enlist their support. It was unlikely that this issue would be resolved during the current legislative session.

ADJOURN

There being no further business before the Association, the meeting was adjourned.

DRAFT

Agenda Item # 3.A. (Tab B)

Investments - Performance Review

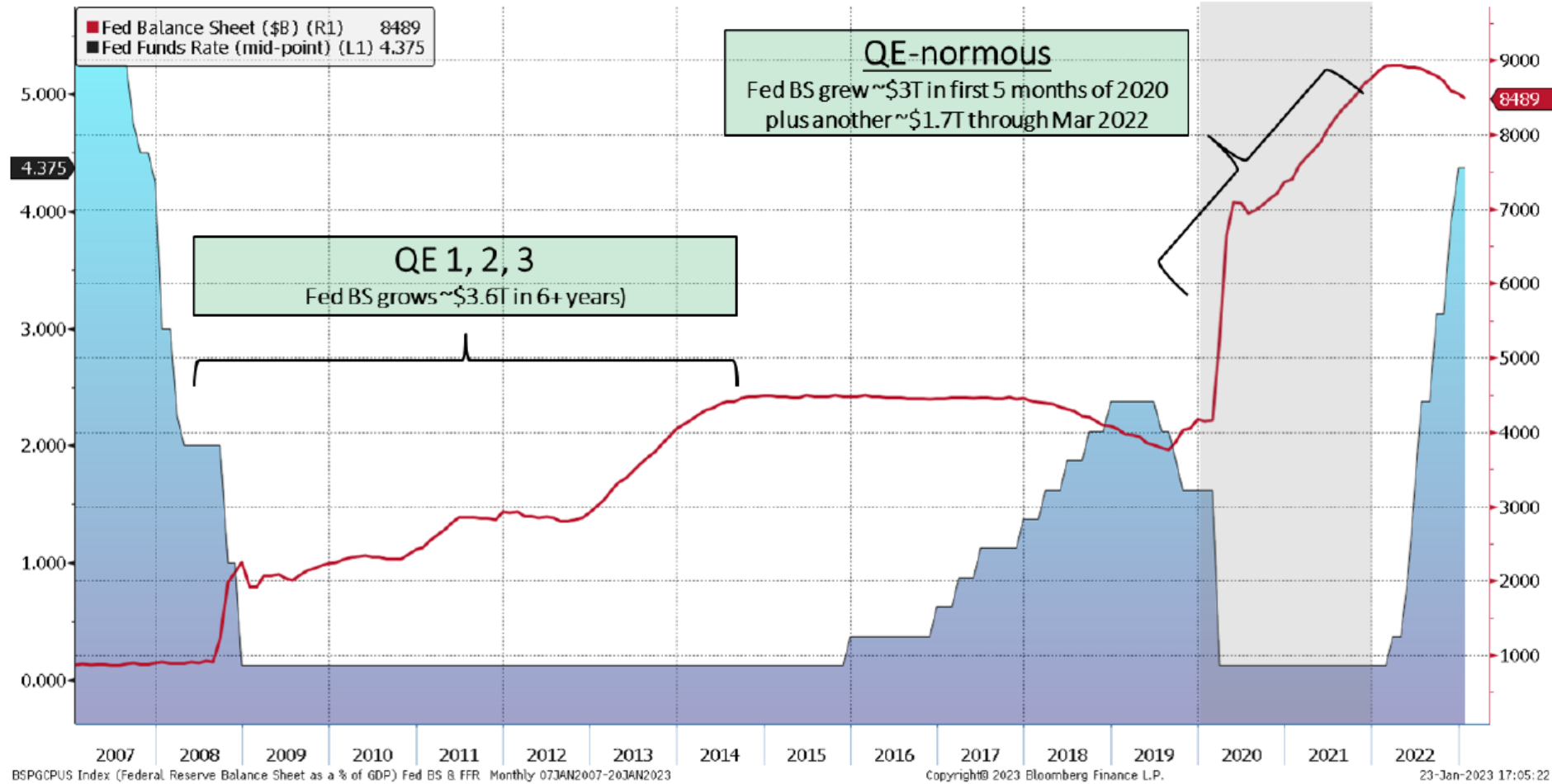
NICA Investment Summary July 2023

- Katy Wojciechowski/Independent Investment Consultant
- Felicia Bennett/Wilshire Advisors LLC
- Jon Lewis/Wilshire Advisors LLC

Performance Drivers

- Equity returns have been strong calendar year to date 2023.
- Bond returns have been positive calendar year to date, with high yield bonds particularly strong fiscal year to date
- Federal Reserve continued their Federal Funds rate hikes, increasing the upper bound target increased to 5.25%.
Expectations for future hikes top out between 5.25 – 5.5%
- Discussions about recession are fading, but inflation is still a concern.
- Risk assets had better performance as volatility receded.

The Fed continues to hike aggressively in an effort to reduce inflation and return to price stability



Data Source: Bloomberg

BSPGCPUS Index (Federal Reserve Balance Sheet as a % of GDP) Fed BS & FFR Monthly 07JAN2007-20JAN2023

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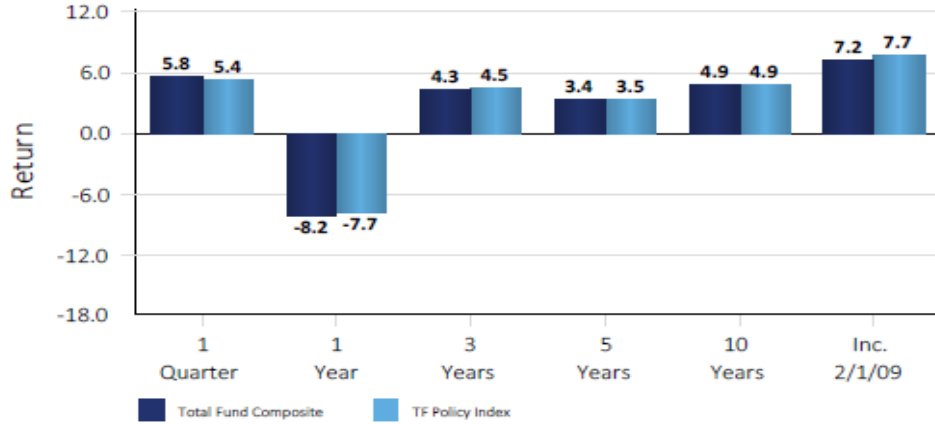
Inflation in the US continues at levels above the Federal Reserves 2% target



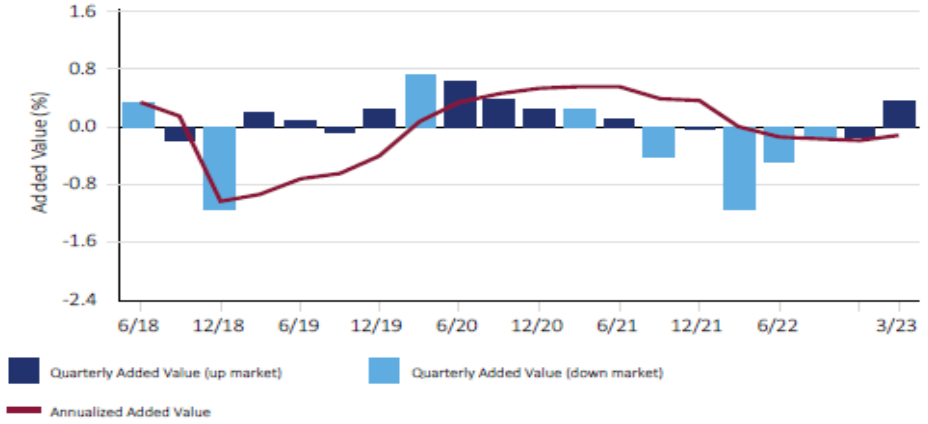
Composite Performance Summary

Total Fund Composite
Periods Ended March 31, 2023

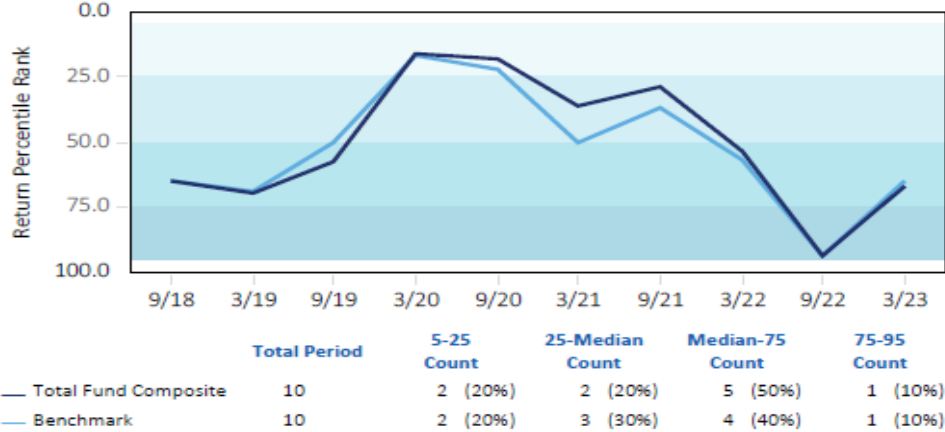
Comparative Performance



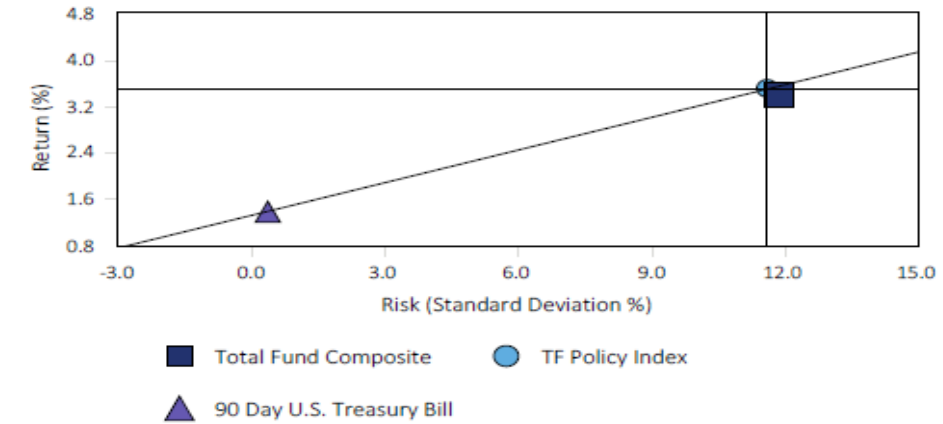
Added Value History



Rolling Percentile Rank: All HealthCare-Total Fund



Risk and Return 04/1/18 - 03/31/23

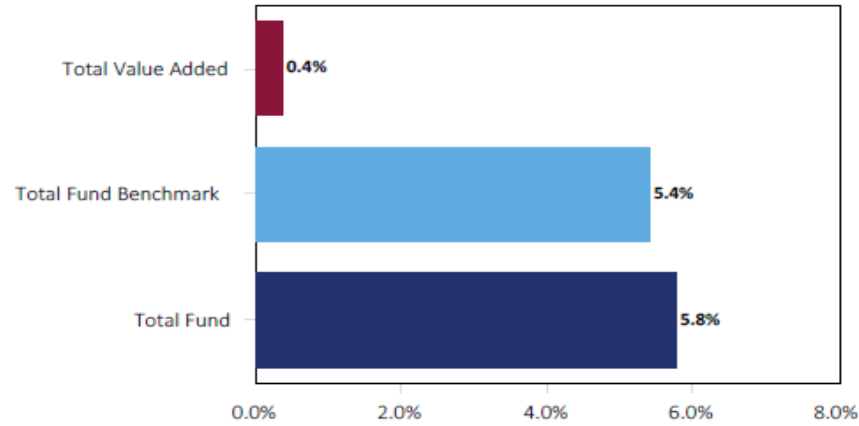


Total Fund Attribution

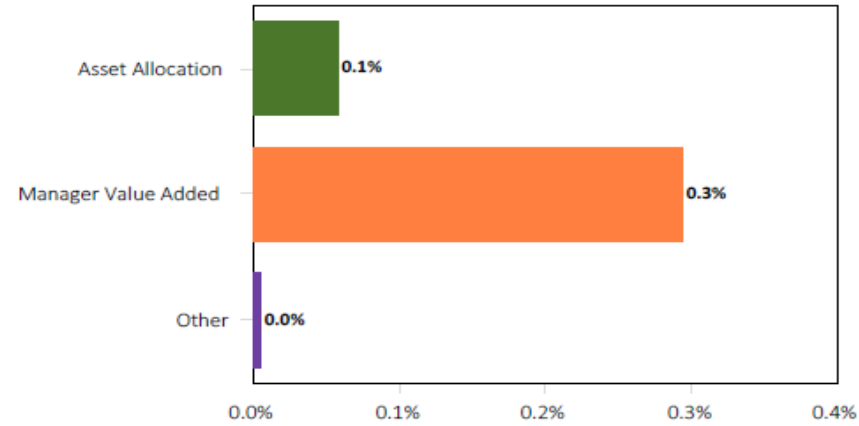
Total Fund Composite

Periods Ended 1 Quarter Ending March 31, 2023

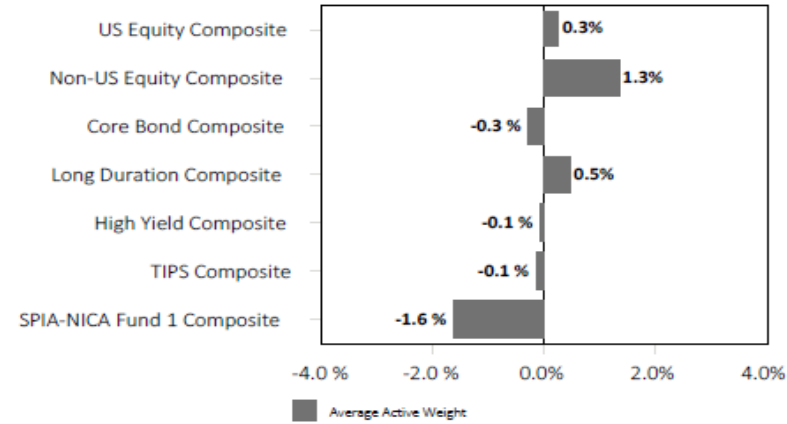
Total Fund Performance



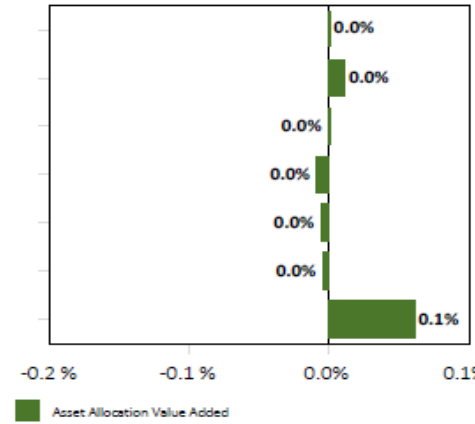
Total Value Added:0.4%



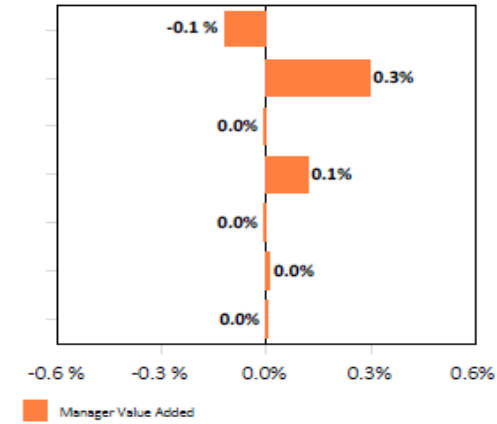
Total Asset Allocation:0.1%



Asset Allocation Value Added:0.1%

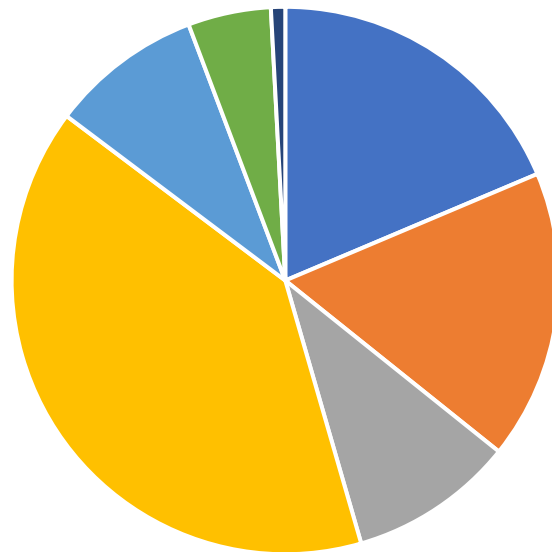


Total Manager Value Added:0.3%



Plan Assets – May 31, 2023

Asset Allocation
5/31/2023



■ US EQUITY ■ NON US EQUITY ■ CORE BOND ■ LONG DURATION BOND ■ HIGH YIELD BOND ■ TIPS ■ CASH

Beginning Value 6/30/22	\$ 1,317,519,548
Net Cash Flow	(82,019,084)
Capital Appreciation/Depreciation	39,981,032
Ending Value 5/31/23	1,275,481,496

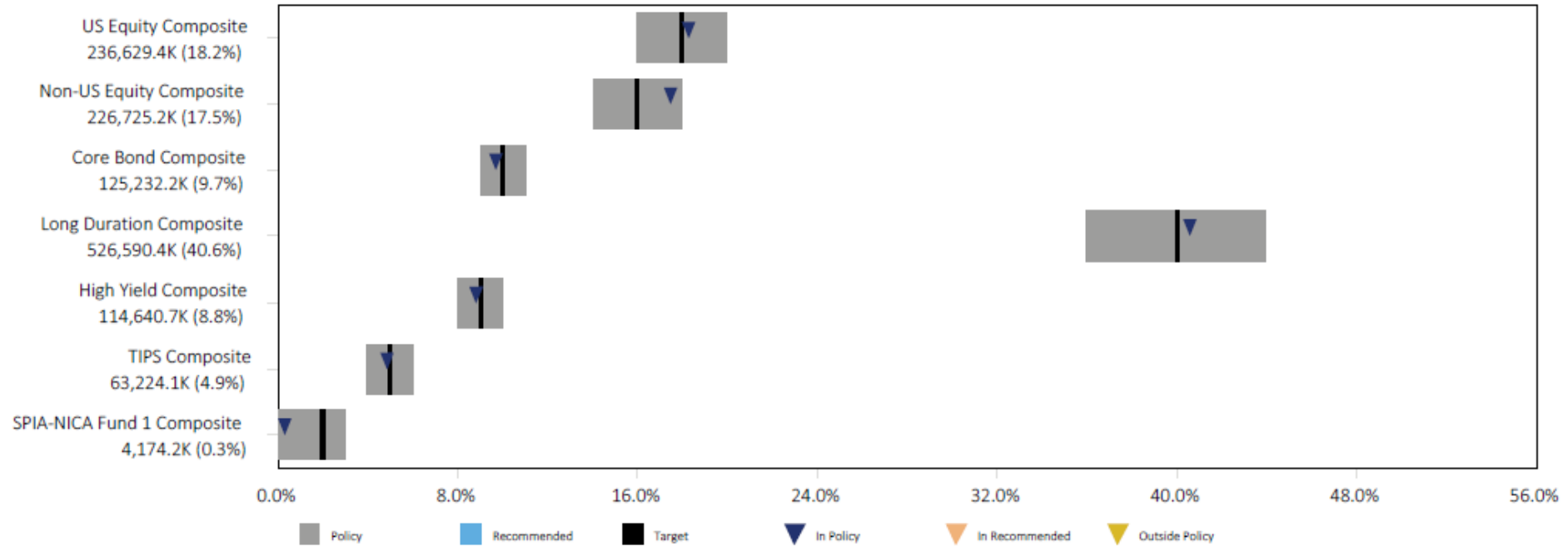
Cash	0.84%
Fixed Income	63%
US Equity	19%
Intl Equity	17%
	100%

Asset Allocation Compliance

Total Fund Composite

Periods Ended As of March 31, 2023

Executive Summary



Looking Forward

- The markets may remain volatile for the upcoming year as the Federal Reserve continues to tighten monetary policy in their fight to return inflation to a “2% average” target
- There are signs of slowing in the economy, but unemployment remains very low. There remains a possibility we will enter a recession in the coming year, but predicted to be shallow and brief
- In the NICA fund, we have completed an asset allocation study. We are prepared to share our findings at this time. Given our change in liquidity needs, we feel there will be a change in our asset allocation and are creating a plan to make that transition.

Steps for Implementing Results of Asset/Liability Study in the Fund

- ✓ Assess risk tolerance and liquidity needs
- ✓ Develop realistic target portfolio within NICA constraints based on Wilshire Optimization model
- Discuss output of Target portfolio
 - Ability to achieve required return
 - Ability to provide necessary liquidity
- Finalize plan to implement
- Execute to achieve target portfolio
 - Adjust allocations between investments
 - Adjust managers as needed and recommended by Wilshire

Asset/Liability Study Themes to Date

- Opportunity to reduce risk and increase liquidity while maintaining a similar expected return
 - Bonds are attractive, equity risk premium has declined
 - Shift a portion of market weighted global equities to low volatility equities
 - Add a short-duration bond allocation, maintain a cash allocation
- Long duration credit no longer compelling relative to core bonds given dramatic change in yields over the last 12 months and “flatness” of the yield curve
 - Transition away from long credit towards aggregate duration bonds
- Transition costs will be considered in final policy recommendation

Agenda Item # 3.B. (Tab C)

Investments – Asset Allocation Study

Wilshire

Florida Birth-Related Neurological Injury Compensation Association – (NICA)

Asset Allocation Review

June 2023

Contents

- Background & Overview
- Asset Allocation Approach
- Asset Allocation Inputs
- Projections
- Appendix

Background & Overview

Background & Overview

- Wilshire recommends that plans conduct asset allocation studies every three to five years – or more frequently with significant changes in the capital markets or in fund liabilities. This analysis is part of the regular life cycle of the investment program.
- This study is an opportunity for the Board to discuss and express its tolerance for the level of risk in the portfolio. While either de-risking or seeking a significantly higher return may be theoretically attractive, the benefits should be considered in the context of the overall nature of risk and return in the portfolio and its impact on variables such as liquidity, threshold ratio volatility, and reserves.
- Wilshire last reviewed asset allocation for the NICA Portfolio in 2020, but study was postponed due to unknown impacts of pending litigation. Prior studies were completed in 2016 and 2013.

Observations

- The current policy is largely efficient given available asset classes and constraints, and has sufficient liquidity to meet projected claims
- However, there is an opportunity to reduce expected portfolio volatility by:
 - Adding minimum volatility equity to the equity portfolio: achieve a similar expected long-term return with less downside risk
 - Shortening the duration of the bond portfolio: recent rate hikes have reduced the benefit of longer duration bonds, achieve a similar return with less sensitivity to interest rate movements
- It is difficult for capital market returns to make up for the increased cash needs on the plan with no increase in assessments; therefore, the loss reserve ratio is expected to decline over time.

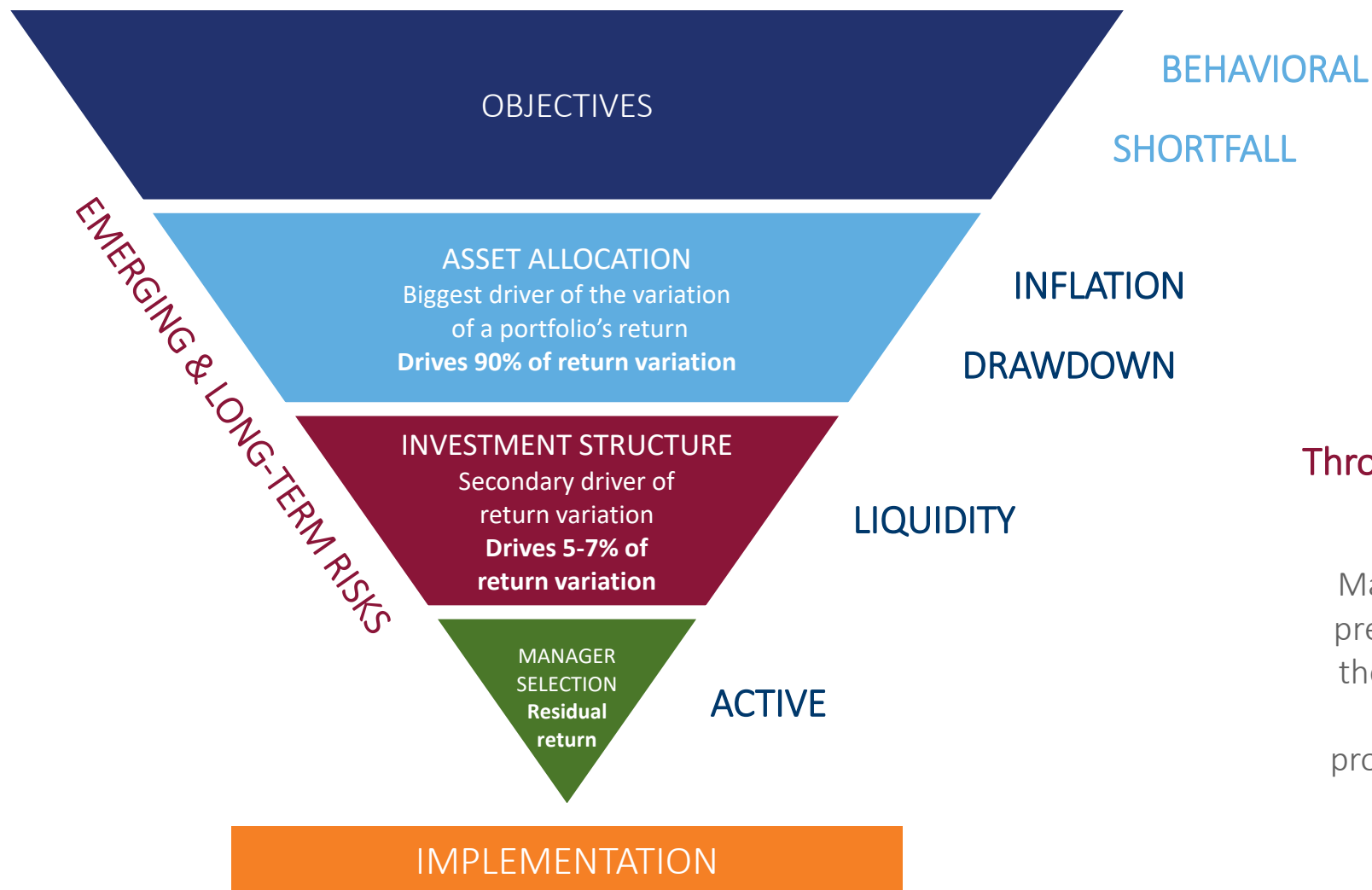
Recommendation

- Adopt Alternative 2 of the modeled policies
- Relative to the current policy, Alternative 2:
 - maintains a similar expected return and loss reserve ratio,
 - lowers expected volatility of return,
 - increases liquidity access in stressed markets

	Current	Alternative 2	Difference
U.S. Equity	18%	14%	-4%
<u>Non-U.S. Equity</u>	<u>16%</u>	<u>14%</u>	<u>-2%</u>
Total Growth:	34%	28%	-6%
Global Minimum Volatility Equity	0%	9%	9%
<u>High Yield Fixed Income</u>	<u>9%</u>	<u>9%</u>	<u>0%</u>
Total Defensive Growth:	9%	18%	9%
Total Growth Assets:	43%	46%	3%
Short-duration Fixed Income	0%	3%	3%
Core Fixed Income	10%	25%	15%
Long Duration Credit (Inv. Grade)	40%	20%	-20%
<u>Cash</u>	<u>2%</u>	<u>2%</u>	<u>0%</u>
Total Defensive/Rate Sensitive:	52%	50%	-2%
<u>TIPS</u>	<u>5%</u>	<u>4%</u>	<u>-1%</u>
Total Inflation Sensitive:	5%	4%	-1%
Total	100%	100%	
Expected 10yr Return	5.99	5.93	-0.06
Expected 10yr Risk	8.81	8.08	-0.73
Sharpe Ratio	0.27	0.28	0.01
Projected Median 10yr Loss Reserve Ratio	73.9%	73.5%	-0.4%

Asset Allocation Approach

Focus on Decisions That Matter



Address Key Risks Throughout the Investment Process

Many of the six key risks are present at multiple points in the investment process, but each distinct step in the process is focused on one or two primary risks.

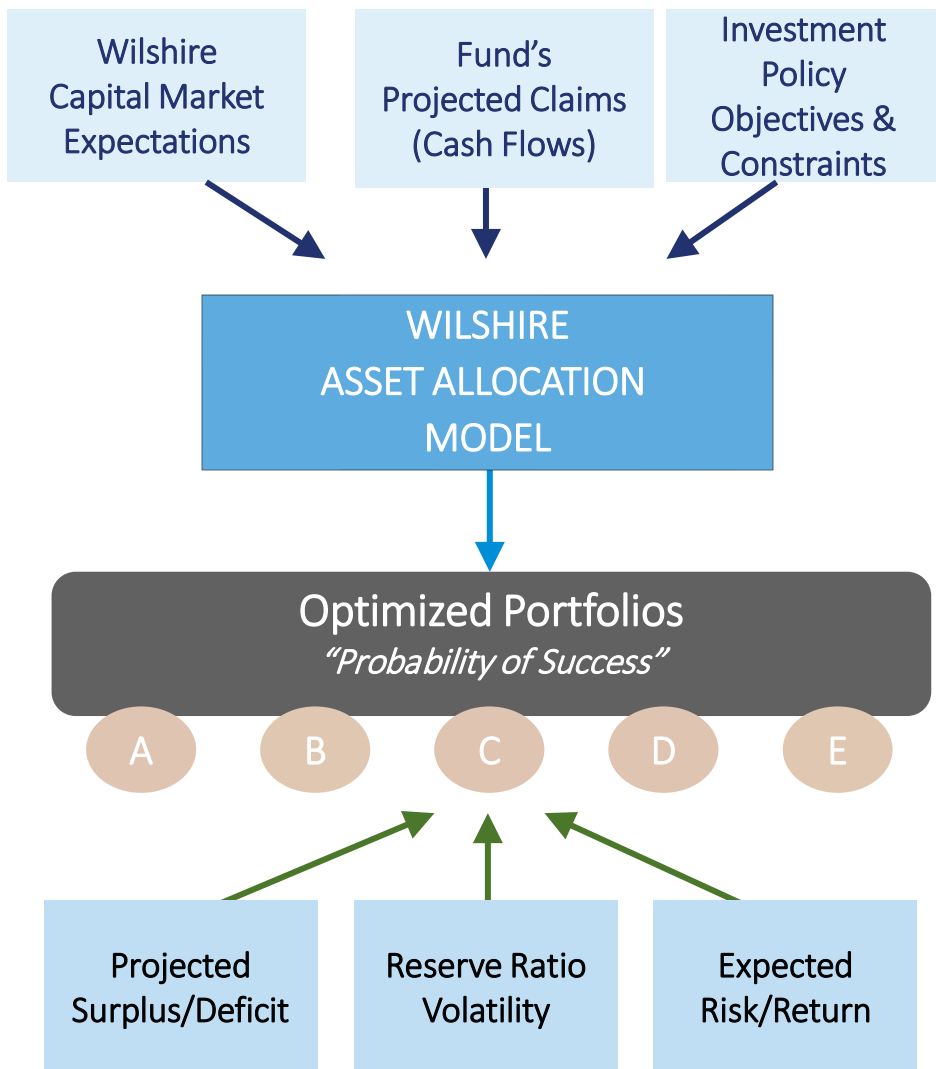
Risk Assessment Framework

Wilshire’s multi-dimensional view of risk integrates organizational and investment considerations into a comprehensive framework for evaluating strategic decisions.

- **Shortfall:** Support distributions and long-term growth
- **Behavioral:** Instill strong governance
- **Drawdown:** Limit portfolio losses
- **Inflation:** Preserve long-term purchasing power
- **Liquidity:** Balance near-term needs, long-term opportunities
- **Active:** Ensure unique exposures
- **Emerging & Long-Term:** Environmental, Social & Governance risks, such as externalities, intangibles and reputation may be linked to various risk lenses



Asset Allocation Process



- Wilshire believes the mission of NICA Fund is to fund benefits promised to families when they come due.
- The role of asset allocation is to manage risk in order to fulfill that core mission
 - **Ensure** funds are available to fund claims
 - **Maintain** financial health of the program to continue accepting new participants
- Wilshire’s Asset Allocation Model provides methodology for selecting a target portfolio that considers both goals
- Rigorously developed capital market assumptions for risk and return (see appendix)
- Strategic asset allocation is not a guide to outperforming in every market ... but it should provide a roadmap for success over a market cycle, and set appropriate expectations over short-term periods

Asset Allocation Inputs

Plan Status – Model Inputs

\$ - Millions	June 30, 2022	February 28, 2023
Asset and Liability Data		
1. Investments	1,317.5	1,259.5
2. Loss Reserve	1,241.6	1,335.3
3. Loss Reserve Ratio (1. / 2.)	106.1%	94.3%
\$ - Millions	June 30, 2022	June 30, 2023
4. Cash Received	35.8	36.0
5. Total Cash Outlay	(82.3)	(44.4)
Economic Assumptions		
Long-Term Investment Return	5.00%	5.00%
Long-Term Inflation Rate	3.00% - 3.50%	3.00% - 3.50%

All metrics, except assets, were provided by client/client’s actuary. Assets and Loss Reserve not adjusted per financial statement requirements

February 28, 2023, data was projected by Wilshire using data from the report and additional metrics provided by the actuary.

Additional items are captured for financial statement presentation that are not included in this analysis

Capital Market Assumptions – Model Inputs

- Using Wilshire’s March 31, 2023, Capital Market Assumptions
- Wilshire’s asset class return, risk and correlation assumptions are developed on multi-year forward looking expected rates of return and historical risk and correlation, adjusted to incorporate recent trends
- Public market return expectations represent a passive investment in the asset class (beta). They do not reflect value added from active management (alpha).

Asset Classes	Expected Return 10 Years	Expected Return 30 Years	Risk	Cash Yield	Factor Exposure Growth	Factor Exposure Inflation	Liquidity Market Level	Liquidity Stressed Metric
U.S. Equity	6.15	7.05	17.00	1.65	8.00	-3.00	100	0
Non-U.S. Equity	7.25	7.70	19.10	3.05	8.00	1.45	90	0
Global Minimum Volatility Equity	6.75	7.45	13.80	2.55	6.40	-0.55	90	0
High Yield Fixed Income	6.25	6.60	10.00	9.35	4.00	-1.00	80	0
Short-Duration Fixed Income	4.15	4.15	3.00	4.15	-0.50	-1.25	100	90
Core Fixed Income	4.60	4.70	4.70	4.90	-0.95	-2.50	100	85
Long Duration Credit (Inv. Grade)	5.20	5.80	9.50	5.90	0.00	-5.00	100	70
Cash	3.65	3.45	0.75	3.65	0.00	0.00	100	100
TIPS	3.65	4.25	6.00	4.25	-3.00	2.50	90	85

- Growth – Assets with significant growth factor exposure, high expected returns and high risk
- Defensive Growth – Assets with positive growth factor exposure with moderate risk
- Defensive/Rate Sensitive – Assets whose value/return is sensitive to changes in interest rates
- Real Assets/Inflation Sensitive – Assets whose value/return is sensitive to inflation

Portfolio Modeled

Asset Class	Current Policy	Alternative 1 Policy	Alternative 2 Policy	Optimization Constraints	Alternative 3 Policy	Alternative 4 Policy
U.S. Equity	18.00%	14.00%	14.00%	0% - 100% ^{1, 2}	15.75%	13.00%
Non-U.S. Equity	<u>16.00%</u>	<u>14.00%</u>	<u>14.00%</u>	0% - 100% ^{1, 2}	<u>15.75%</u>	<u>13.00%</u>
Total Growth Assets	34.00%	28.00%	28.00%		31.50%	26.00%
Global Minimum Volatility Equity	0.00%	9.00%	9.00%	0% - 100% ²	10.50%	9.00%
High Yield Fixed Income	<u>9.00%</u>	<u>9.00%</u>	<u>9.00%</u>	0% - 10%	<u>10.00%</u>	<u>10.00%</u>
Total Defensive Growth Assets	9.00%	18.00%	18.00%		20.50%	19.00%
Short-Duration Fixed Income	0.00%	3.00%	3.00%	0.0%	0.00%	0.00%
Core Fixed Income	10.00%	27.00%	25.00%	0% - 100%	27.00%	37.00%
Long Duration Credit (Inv. Grade)	40.00%	22.00%	20.00%	0% - 100%	19.00%	10.00%
Cash	<u>2.00%</u>	<u>2.00%</u>	<u>2.00%</u>	2% - 100%	<u>2.00%</u>	<u>3.00%</u>
Total Defensive / Rate Sensitive Assets	52.00%	54.00%	50.00%		48.00%	50.00%
TIPS	<u>5.00%</u>	<u>0.00%</u>	<u>4.00%</u>	0% - 100%	<u>0.00%</u>	<u>5.00%</u>
Total RA / Inflation Sensitive Assets	5.00%	0.00%	4.00%		0.00%	5.00%
Total Assets	100.0%	100.0%	100.0%		100.0%	100.0%
Expected Return - 10 Years (%)	5.99	5.97	5.93		6.10	5.82
Expected Return - 30 Years (%)	6.53	6.41	6.37		6.56	6.22
Standard Deviation of Return (%)	8.81	8.20	8.08		8.78	7.49
+ / (-) in Expected Return - 10 Years (bps)		(2)	(6)		11	(17)
+ / (-) in Expected Return - 30 Years (bps)		(12)	(16)		3	(31)
+ / (-) in SD of Return (bps)		(61)	(73)		(3)	(132)
Sharpe Ratio	0.27	0.28	0.28		0.28	0.29

¹ Non-U.S. Equity is constrained to not exceed U.S. Equity.

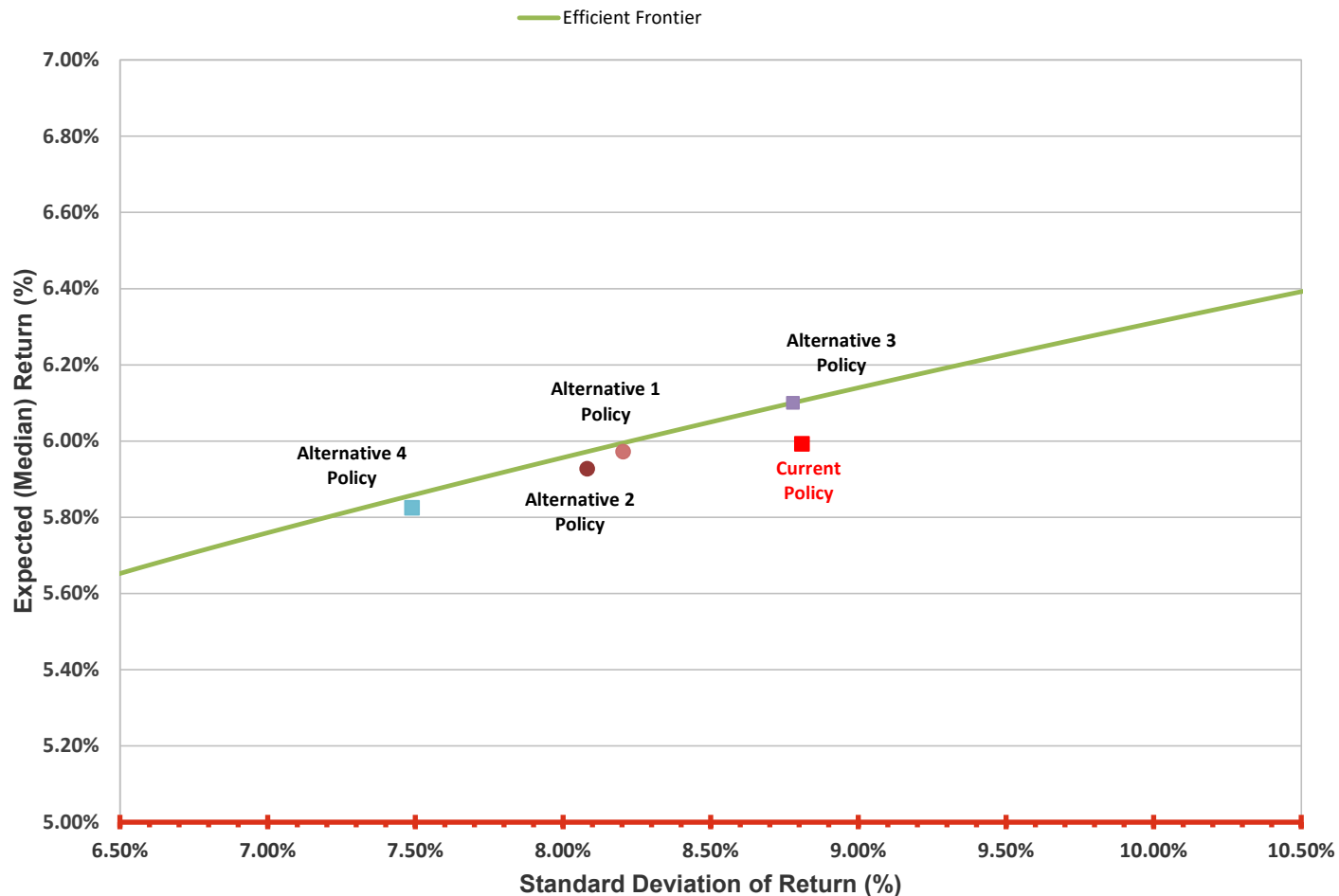
² Global Minimum Volatility Equity is constrained to not exceed 25% of Total Public Equity.

Portfolio Modeled

Asset Class	Current Policy	Alternative 1 Policy	Alternative 2 Policy	Alternative 3 Policy	Alternative 4 Policy
<i>Total Growth Assets</i>	34.00%	28.00%	28.00%	31.50%	26.00%
<i>Total Defensive Growth Assets</i>	9.00%	18.00%	18.00%	20.50%	19.00%
<i>Total Defensive / Rate Sensitive Assets</i>	52.00%	54.00%	50.00%	48.00%	50.00%
<i>Total RA / Inflation Sensitive Assets</i>	5.00%	0.00%	4.00%	0.00%	5.00%
<i>Total Assets</i>	100.0%	100.0%	100.0%	100.0%	100.0%
<i>Expected Return - 10 Years (%)</i>	5.99	5.97	5.93	6.10	5.82
<i>Expected Return - 30 Years (%)</i>	6.53	6.41	6.37	6.56	6.22
<i>Standard Deviation of Return (%)</i>	8.81	8.20	8.08	8.78	7.49
<i>Contribution to Asset Volatility (%):</i>					
<i>Growth</i>	57.3	53.2	54.3	57.6	54.8
<i>Defensive Growth</i>	6.6	20.5	20.9	22.5	23.5
<i>Defensive/Rate Sensitive</i>	35.2	26.3	24.1	19.9	20.7
<i>RA/Inflation Sensitive</i>	0.9	0.0	0.7	0.0	1.0
<i>Cash Yield</i>	4.8	4.5	4.5	4.5	4.5
<i>Growth Factor</i>	2.8	2.9	2.8	3.3	2.6
<i>Inflation Factor</i>	-2.5	-2.2	-1.9	-2.0	-1.7
<i>Liquidity</i>					
<i>Market</i>	96.1	95.9	95.5	95.4	95.3
<i>Stressed</i>	42.8	43.1	43.4	38.3	45.7

Asset Only Efficient Frontier

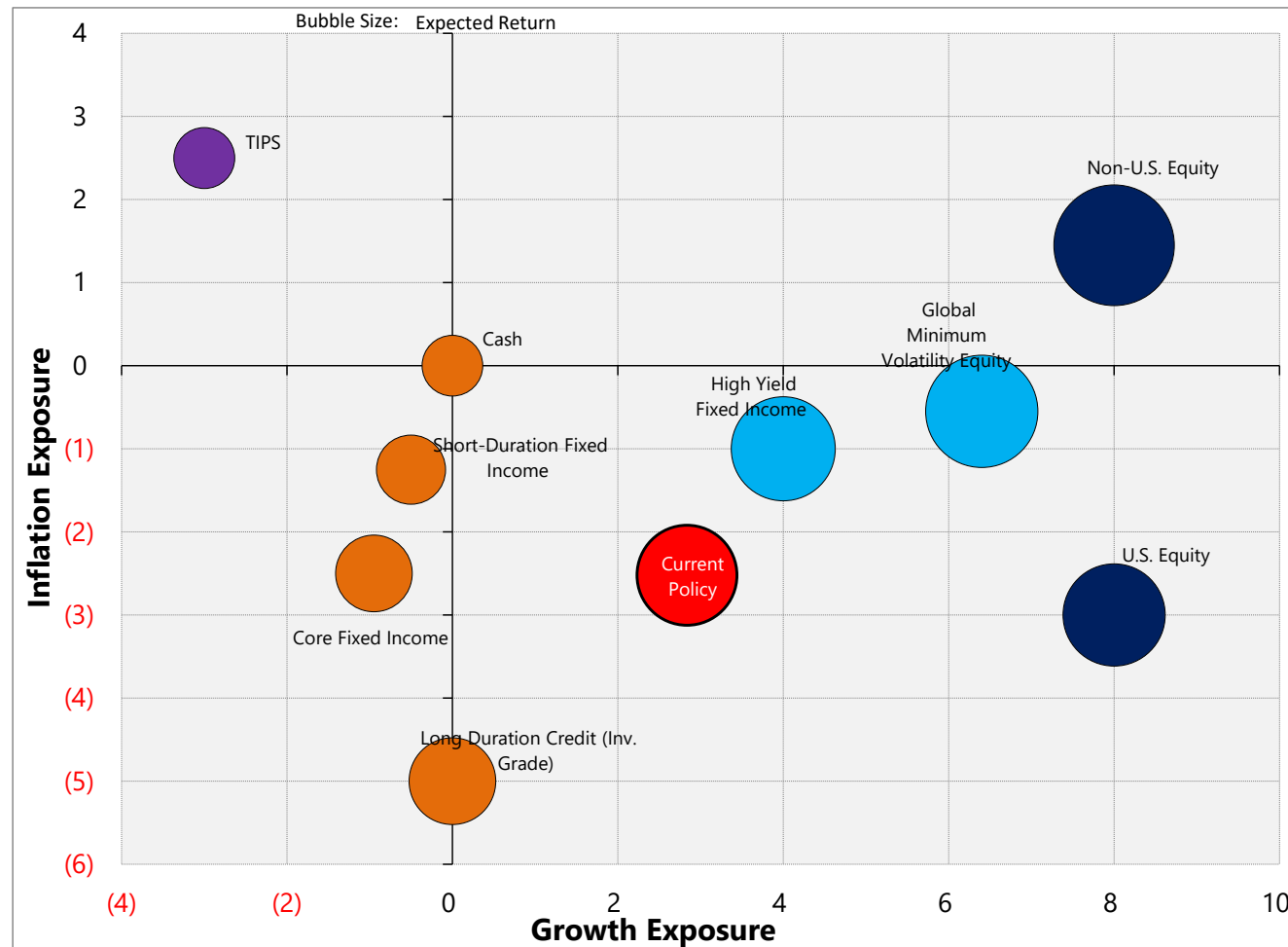
- Given the asset classes and constraints, opportunities to enhance portfolio efficiency do exist



Economic Factor Exposure

Concentrated factor tilts can represent portfolio vulnerability (e.g., reliance on growth markets)

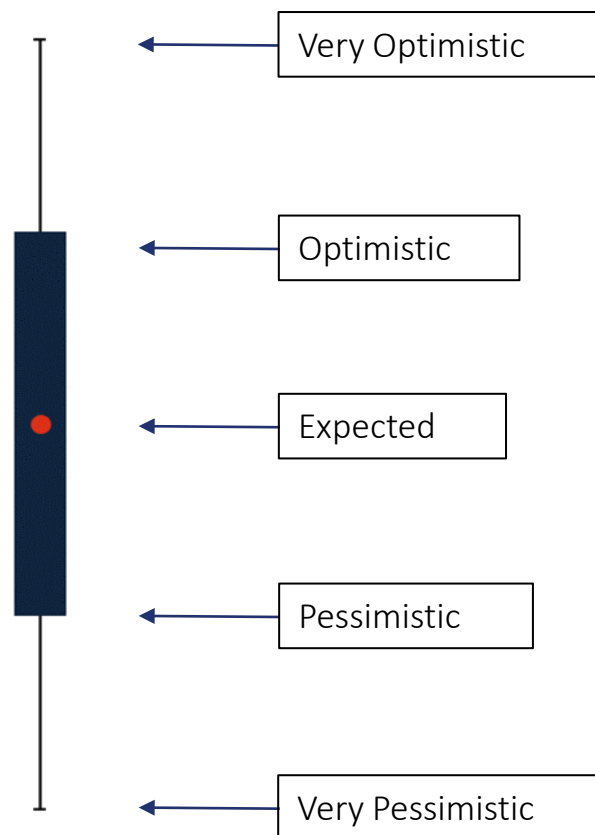
To the extent possible, a portfolio with factor neutrality is desirable for weathering unexpected future market environments



Projections



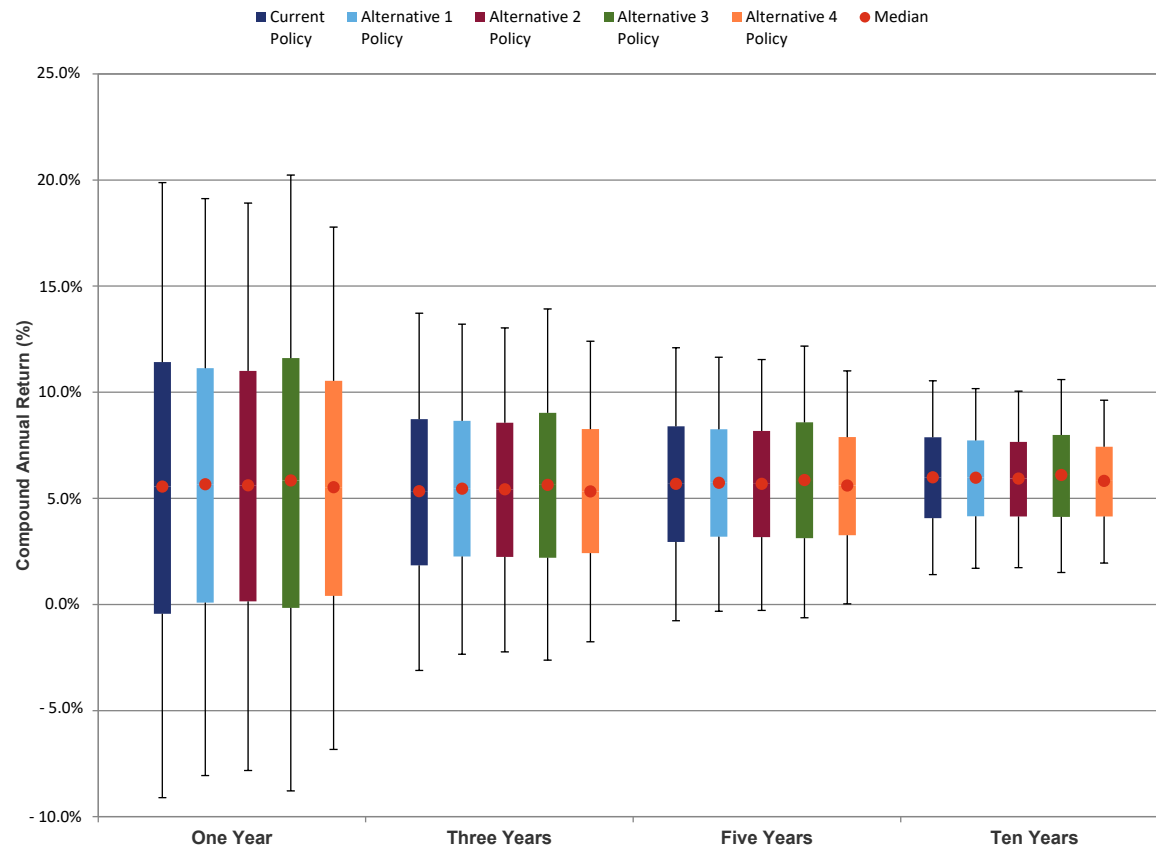
Box and Whisker Graphs



In each year of the simulation, there are 5,000 independent economic trial results.

- Expected: 50% of the potential scenarios result in higher than this value and 50% results in lower
- Very optimistic: Only 5% of the scenarios result in higher than this value and 95% result in lower
- Optimistic: Only 25% of the scenarios result in higher than this value and 75% result in lower
- Pessimistic: 75% of the scenarios results in higher than this value and 25% result in lower
- Very pessimistic: 95% of the scenarios result in higher than this value and 5% result in lower

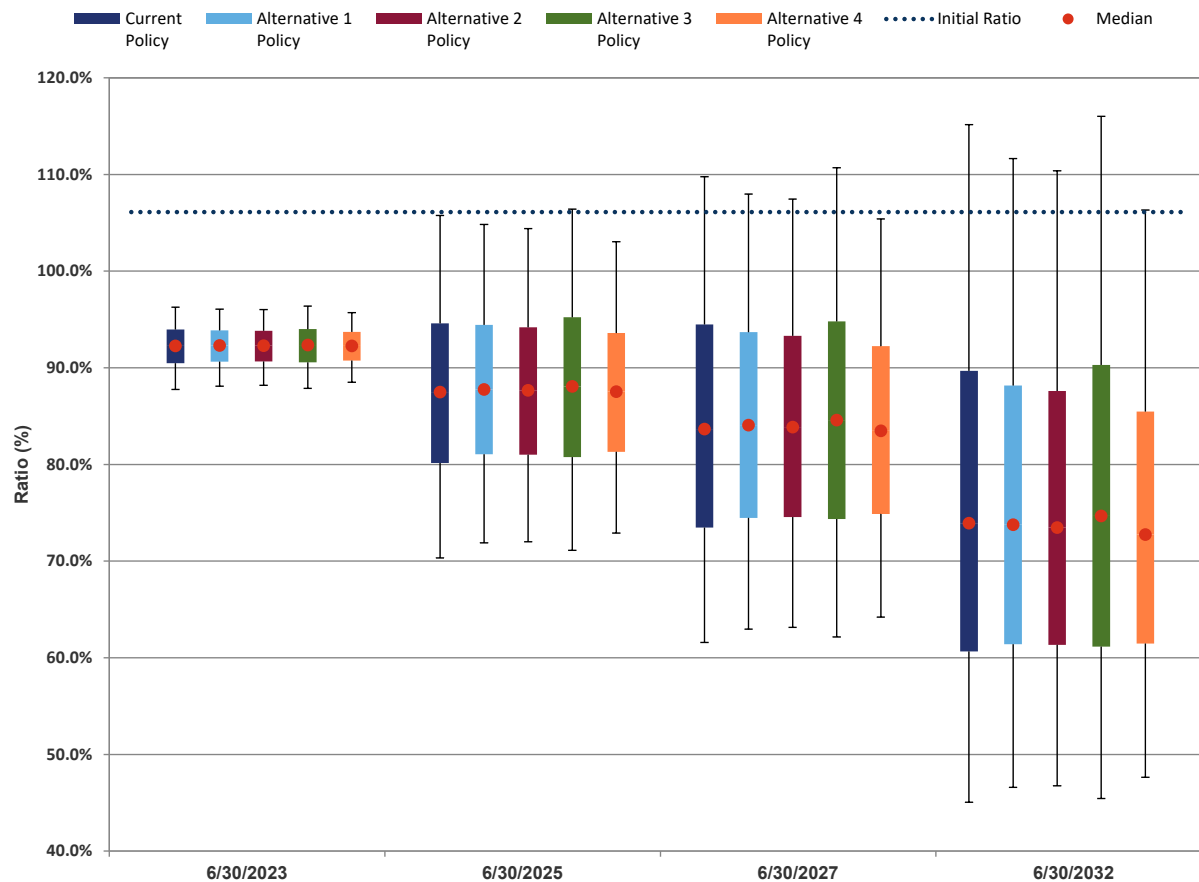
Distribution of Returns*



(%)	One Year					Three Years					Five Years					Ten Years				
	Current Policy	Alternative 1 Policy	Alternative 2 Policy	Alternative 3 Policy	e 4 Policy	Current Policy	Alternative 1 Policy	Alternative 2 Policy	Alternative 3 Policy	e 4 Policy	Current Policy	Alternative 1 Policy	Alternative 2 Policy	Alternative 3 Policy	e 4 Policy	Current Policy	Alternative 1 Policy	Alternative 2 Policy	Alternative 3 Policy	e 4 Policy
Very Optimistic	19.88	19.12	18.91	20.23	17.79	13.72	13.21	13.03	13.92	12.41	12.09	11.65	11.54	12.17	11.01	10.54	10.18	10.06	10.60	9.63
Optimistic	11.42	11.14	11.01	11.61	10.54	8.73	8.65	8.56	9.03	8.27	8.39	8.25	8.18	8.59	7.89	7.88	7.73	7.66	7.98	7.43
Median (Expected)	5.56	5.66	5.62	5.84	5.53	5.33	5.46	5.43	5.63	5.33	5.68	5.73	5.68	5.86	5.60	5.99	5.97	5.93	6.10	5.82
Pessimistic	-0.44	0.08	0.15	-0.16	0.40	1.85	2.26	2.24	2.20	2.42	2.95	3.19	3.18	3.12	3.27	4.07	4.16	4.14	4.13	4.15
Very Pessimistic	-9.10	-8.06	-7.82	-8.78	-6.83	-3.11	-2.34	-2.23	-2.62	-1.76	-0.77	-0.32	-0.28	-0.63	0.03	1.40	1.70	1.73	1.51	1.95

*For periods longer than one year, returns are compound annual.

Loss Reserve Ratio



Shortfall Risk:
The potential for the current policy to have a lower median ratio than the alternative policies.

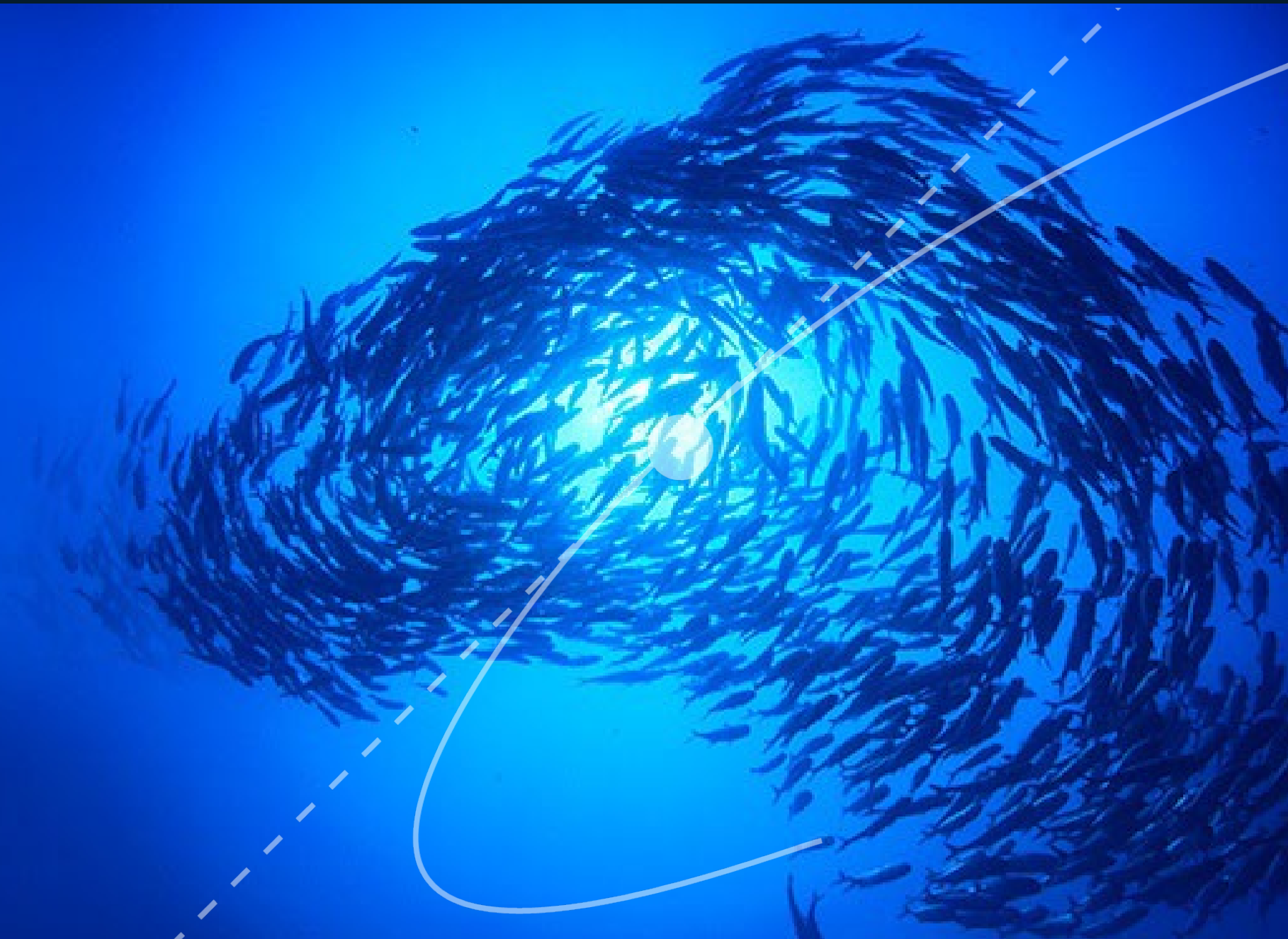
Drawdown Risk:
The potential for the current policy to have a lower “very pessimistic” ratio than the alternative policies.

Initial Ratio (6/30/2022) = 106.1%

One Year Simulation (6/30/2023) reflects 2/28/2023 Fiscal Year to Date Return of 2.69%.

(%)	6/30/2023					6/30/2025					6/30/2027					6/30/2032				
	Current Policy	Alternative 1 Policy	Alternative 2 Policy	Alternative 3 Policy	Alternative 4 Policy	Current Policy	Alternative 1 Policy	Alternative 2 Policy	Alternative 3 Policy	Alternative 4 Policy	Current Policy	Alternative 1 Policy	Alternative 2 Policy	Alternative 3 Policy	Alternative 4 Policy	Current Policy	Alternative 1 Policy	Alternative 2 Policy	Alternative 3 Policy	Alternative 4 Policy
Very Optimistic	96.28	96.07	96.02	96.37	95.71	105.76	104.83	104.40	106.40	103.05	109.76	107.98	107.46	110.70	105.40	115.15	111.64	110.38	116.00	106.31
Optimistic	93.95	93.87	93.83	94.00	93.70	94.60	94.44	94.18	95.22	93.60	94.47	93.70	93.31	94.81	92.24	89.68	88.17	87.59	90.29	85.47
Median (Expected)	92.27	92.30	92.28	92.35	92.26	87.48	87.76	87.67	88.08	87.53	83.66	84.07	83.85	84.58	83.49	73.93	73.78	73.47	74.67	72.75
Pessimistic	90.48	90.64	90.66	90.56	90.74	80.15	81.05	81.02	80.76	81.30	73.46	74.48	74.55	74.36	74.88	60.67	61.41	61.33	61.16	61.47
Very Pessimistic	87.77	88.10	88.18	87.87	88.49	70.32	71.89	72.00	71.11	72.90	61.58	62.98	63.16	62.15	64.22	45.05	46.60	46.76	45.45	47.64

Appendix



Capital Market Assumptions

- Using Wilshire’s March 31, 2023, Capital Market Assumptions
- Wilshire’s asset class return, risk and correlation assumptions are developed on multi-year forward looking expected rates of return and historical risk and correlation, adjusted to incorporate recent trends
- Public market return expectations represent a passive investment in the asset class (beta). They do not reflect value added from active management (alpha).

	U.S. Equity	Non-U.S. Equity	Global Minimum Volatility Equity	High Yield Fixed Income	Short-Duration Fixed Income	Core Fixed Income	Long Duration Credit (Inv. Grade)	Cash	TIPS
Return - 10-Year (%)	6.15	7.25	6.75	6.25	4.15	4.60	5.20	3.65	3.65
Return - 30-Year (%)	7.05	7.70	7.45	6.60	4.15	4.70	5.80	3.45	4.25
Risk (%)	17.00	19.10	13.80	10.00	3.00	4.70	9.50	0.75	6.00
Correlations									
U.S. Equity	1.00								
Non-U.S. Equity	0.84	1.00							
Global Minimum Volatility Equity	0.93	0.92	1.00						
High Yield Fixed Income	0.54	0.46	0.52	1.00					
Short-Duration Fixed Income	0.28	0.07	0.18	0.23	1.00				
Core Fixed Income	0.28	0.08	0.19	0.24	1.00	1.00			
Long Duration Credit (Inv. Grade)	0.42	0.16	0.30	0.43	0.90	0.90	1.00		
Cash	-0.05	-0.08	-0.04	-0.10	0.26	0.18	0.09	1.00	
TIPS	-0.05	0.06	0.02	0.05	0.61	0.60	0.45	0.20	1.00

Wilshire Liquidity Metric

Wilshire's Liquidity Metric framework has two levels:

- **Market Level of Liquidity**
- **Overall Level of Liquidity**

Market Level of Liquidity

- Quantified on scale from 0% (low liquidity) to 100% (high liquidity)
- Designed to capture general notion of marketable versus private/off-market transactions
 - Marketable asset classes typically reflect a 90% or 100%
 - Private asset classes reflect 0%
- Goal is to reflect the tradability of assets, which is helpful in connecting these values back to our definitional framework (i.e., to quantify the differences between Convertible Liquidity and Delayed Liquidity)

Wilshire Stressed Liquidity Metric

Stressed Level of Liquidity Metric

Asset Class	Market Liquidity	Liquidity Penalty Components			Applied Penalty	Stressed Liquidity
		Growth	Inflation	Volatility		
US Equity	100	50		24	50	0
Dev ex-US Equity	100	50		26	50	0
EM Equity	90	50		40	50	0
Private Equity	0	50		40	0	0
Cash Equivalents	100				0	100
Core Bonds	100		8		8	86
High Yield Bonds	80	40		10	40	0
US Real Estate Securities	90	50		24	50	0
Private Real Estate	0	50		18	0	0
Commodities	90			20	20	55

Applied Penalty = Min(Max(Growth + Inflation, Volatility), Market Liquidity)

Stressed Liquidity * = Market Liquidity - (1.75 x Applied Penalty)

* If less than 20, Stressed Liquidity is assumed to be 0

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Agenda Item # 3.C. (Tab D)

**Investments –
Revised Investment Policy**

**STATEMENT OF INVESTMENT POLICY FOR
FLORIDA BIRTH-RELATED
NEUROLOGICAL INJURY COMPENSATION PLAN**
Amended ~~December 4, 2020~~July 6, 2023

Purpose

The purpose of this Statement is to establish the investment policy for the management of the assets of the Florida Birth-Related Neurological Injury Compensation Plan (Plan). Specifically, this Statement establishes the following:

- Investment goals of the Plan
- Responsibilities of the various parties that have a role in the management and oversight of Plan assets
- Asset allocation policy of the Board of Directors
- Securities permitted according to Section 215.47 of Florida Statutes
- Diversification requirements and risk controls of the Plan
- Proxy voting policies
- Investment Manager selection, monitoring and performance evaluation standards

The investment goals, objectives and asset allocation policy may be amended from time to time. Suggested changes to this document will be subject to approval by the Board of Directors and will be recommended on an as needed basis.

Investment Goals

Plan assets are invested in long-term strategies and evaluated within the context of a long-term investment horizon. Short-term fluctuations in value will be considered secondary to long-term results.

Plan investment goals are twofold:

1. The primary goal is to earn a sufficient investment return that ensures payment of all current and future liabilities
2. The secondary investment performance goal is to exceed the Total Fund Policy benchmark return, net of fees, over a full market cycle. The Total Fund Policy benchmark is a mix of market indices that are representative and proportional to the Asset Allocation Policy.~~As a secondary goal, assets should be invested to earn an investment return over and above that which is required to pay current and future liabilities to exert downward pressure on premium rates assessed to participating healthcare providers~~

Pursuing these goals requires prudent assumption of investment risk.

Distinction of Responsibilities

Board of Directors

The Board of Directors of the Florida Birth-Related Neurological Injury Compensation Association (NICA) has the ultimate fiduciary responsibility with respect to the management of Plan assets. The Board's role is intended to be broad and high level in scope. Specific responsibilities of the Board of Directors include:

- Establishing an investment policy statement, which among other items, identifies the asset allocation strategy of the Plan;
- Approving asset class and total fund benchmarks used in performance evaluations;
- Approving asset class structure decisions including which assets classes to utilize and the percentage invested in active and passive investment strategies;
- Hiring and termination decisions of external investment managers, including the Florida Treasury and Florida State Board of Administration;
- Adopting investment manager guidelines;
- Monitoring the performance of Plan investments; reviewing compliance with, and the continued appropriateness of, investment policies.

The Board is expected to delegate certain of its responsibilities to others, such as the Finance Committee or NICA staff, and may utilize the services of external advisors, such as actuaries, auditors, consultants and legal counsel, to assist in fulfilling its fiduciary responsibilities. The comments and recommendations of such parties will be considered by the Board in conjunction with other available information for the purpose of making informed and prudent decisions.

Finance Committee

A Finance Committee may be appointed and called upon by the Chair of the Board of Directors subject to Board approval. The Finance Committee will be called upon as needs present for additional study of investment related issues in order to assist the Board. A member of the Board may request referral of a specific issue to the Finance Committee. The Finance Committee's role is advisory in nature. In advising the Board, the Finance Committee may draw upon the expertise of outside consultants or experts in identifying and understanding investment issues. The Finance Committee may make specific recommendations for approval by the Board.

Staff

The NICA staff's responsibility in the management and oversight of the Plan's assets is one of monitoring, negotiating and providing signature authority and direction on behalf of the Board. Although staff does not have a direct role in the active management of the investments, the Board of Directors expects staff to monitor the Plan's investments regularly and carry out negotiations and provide official Board responses and positions with relation to the policies outlined and specific recommendations voted on by the Board. Specific duties of the staff include:

- Monitor the investment performance of manager(s) to ensure compliance with the Statement of Investment Policy and individual manager guidelines;
- Provide relevant reporting to the Finance Committee and Board of Directors;
- Work with the Plan actuary and outside experts to periodically review the financial circumstances of the Plan in order to ensure current investment policies are appropriate;
- Serve as the primary contact for investment managers should any questions arise;
- Negotiate and provide signature authority on behalf of the Board or in response to Board policy.
- ~~Upon written recommendation from the External Investment Consultant(s),~~ The Executive Director and the Deputy Director are authorized to raise cash as necessary for the operation of the Fund, and to transfer funds from cash or other asset classes to rebalance the Plan back to the specific asset ~~Asset allocation~~ Allocation policy ~~Policy~~ authorized by the Board of Directors, ~~to investment account managers with whom the Association has an existing Board of Directors approved contract, without obtaining specific approval from the Board of Directors of the Association for each transfer.~~

Investment Managers

The Board may, from time to time, cause the Plan to retain one or more Investment Managers. The Investment Managers, as fiduciaries of the Plan, assume certain responsibilities. Specifically, the Investment Managers have discretionary authority to invest a specific allocation of the Plan, subject to the parameters set forth in the Investment Guidelines section of each Investment Managers' Investment Management Agreement in the case of separate accounts, or pooled fund governing documents. Unless otherwise exempted, Investment Manager is expected to comply with all program guidelines and directives issued by NICA on behalf of the Plan.

Investment managers serve at the pleasure of the NICA Board and may be terminated without notice irrespective of any other provision of this policy.

The role of an investment manager is to implement the established investment policies, with the objective being to earn a rate of return in excess of the appropriate performance benchmark while incurring an acceptable level of risk. Investment managers employed on behalf of the Plan should use the care, skill, prudence, and diligence that a prudent investor would use in managing the

portfolio under similar circumstances. The manager should be accorded *full discretion* within guidelines to make relative value decisions among different types of securities and products. The specific duties of a separate account Investment Manager are documented in the Investment Management Agreement that is executed upon the appointment of that Investment Manager as an Investment Manager of the Plan. These duties generally consist of the following:

- Implement investment policy. The manager is given full discretion, within guideline limits, to purchase individual securities or products and control risks;
- Comply with Section 215.47 of Florida Statutes;
- Meet with the Board of Directors or their delegates, such as NICA staff and Investment Consultant(s), as requested and deemed necessary;
- Suggest changes to investment guidelines as warranted;
- Vote proxies vigorously and in the best interest of the Plan;
- Participate in a commission recapture program as directed by NICA, unless exempted in writing. Such participation shall be consistent with the Investment Manager's ability to transact consistent with principles of best execution, taking into account factors including net price (including commissions), execution capability and other services that the broker may provide;
- Communicate their proposed investment strategy for achieving the Plan's investment objectives relative to the stated objectives and guidelines. If at any time a manager feels that the performance standards cannot be met, or that the guidelines or standards inhibit fulfillment of fiduciary duties or inappropriately restrict performance, the manager must notify NICA in writing;
- Apprise NICA immediately and fully of any material changes in their investment style, objectives, market outlook, key personnel and/or business conditions;
- Review asset reports sent by the custodian for position and market value variances and report discrepancies within the time frames specified in the Investment Management Agreement.

The Board acknowledges that, if it elects to invest in a pooled investment product (e.g. a group trust, mutual fund, etc.), the policies established for each product will govern and may not comply fully with policies established for the Plan. The Board or its delegates will monitor the performance of pooled funds to the extent appropriate for the particular product in accordance with the principles set forth in this Investment Policy document.

Investment Consultant

NICA may retain one or more independent third party investment consultants. The Investment Consultant's role is advisory in nature, assisting NICA staff and the Board in fulfilling their fiduciary responsibilities with respect to the Plan. Duties of the Investment Consultant may include:

- Assisting the Board and Finance Committee in fulfilling its investment responsibilities regarding the Plan;
- Assisting in the evaluation of the financial condition of the Plan as requested by the Board or Finance Committee;
- Recommending the asset allocation, investment structure and strategy (including the investment objectives, policy and guidelines) and qualified Investment Managers to execute the investment strategy;
- Recommending the individual investment objectives, policy and guidelines for each qualified Investment Manager;
- Monitoring and evaluating the ongoing progress of the Plan toward stated investment goals and objectives;
- Reporting performance and progress towards stated investment goals to the Board on a regular basis;
- Recommending appropriate action should an investment strategy or individual Investment Managers fail to meet expectations;
- Recommending strategy changes in response to material changes in either the financial condition of the Plan or the capital market environment;
- Performing any additional duties as may be provided in the written agreement between the Board and the Investment Consultant.

Plan Custodian

The Plan's custodian will provide monthly statements which show manager transactions, list assets and report earnings. Compliance monitoring as well as all other requirements under the contract between NICA and the custodian will also be reported by the Plan's custodian.

Asset Allocation Policy

Asset allocation refers to the strategic, long-term deployment of assets among the major classes of investments such as equity, fixed income, real estate, alternative investments and cash equivalents. Over the long-term, asset allocation is expected to be the single greatest determinant of risk and contributor of return to the Plan. The Board has responsibility for the asset allocation decision. The asset allocation decision reflects the return objectives and liquidity needs of the Plan, as well as the Board's tolerance for variability (risk) in asset returns and future funding obligations.

The asset allocation targets are the result of an asset liability study based on long run liability cash flow estimates and capital market relationships. This asset allocation policy will remain in effect until there is a meaningful change in either the financial condition of the Plan, the return objectives,

risk tolerance, and liquidity needs of the Plan, or a change in capital market conditions, at which time a new asset liability study shall be conducted. A study will be conducted at a least once every five years.

It is the policy of the Board of Directors to invest the Plan's assets according to the following target allocations and permissible ranges. The ranges are set to be approximately ~~90~~85% to ~~110~~115% of the policy target percentage.

	<u>Target</u>	<u>Range</u>
Growth Allocation	28%	24% – 32%
U.S.	14%	12% – 16%
Non-U.S. Equity	14%	12% – 16%
Defensive Growth Allocation	18%	15% - 21%
Global Minimum Volatility Equity	9%	7.5% – 10.5%
High Yield Bonds	9%	7.5% – 10.5%
Defensive/Rate Sensitive Allocation	50%	42% – 58%
Core Bonds	25%	21% – 29%
Long Duration Credit	20%	17% – 23%
Short Duration Bonds	3%	2.5% - 3.5%
Cash	2%	1.5% - 4%
Inflation Sensitive Allocation	4%	3% – 5%
TIPS	4%	3% – 5%
	<u>Target</u>	<u>Range</u>
Fixed Income Allocation	64%	58 – 70%
Core Bonds	10%	9 – 11%
Long Duration Credit	40%	36 – 44%
High Yield Bonds	9%	8 – 10%
TIPS	5%	4 – 6%
Equity Allocation	34%	31 – 37%
U.S.	18%	16 – 20%
Non U.S. Equity	16%	14 – 18%
Cash	2%	0 – 3%

The Board of Directors, in consultation with their investment advisors and portfolio managers, may consider near term economic and capital market conditions in their decisions on the timing and

methodology of implementing these targets and their choice of sector allocations within the fixed income and equity portfolios.

Fund cash flows will be utilized to keep the Plan's asset allocation as close to the target allocation as practical. However, the Plan's natural cash flows may not be sufficient to maintain an asset allocation within the approved policy ranges. During any month-end where the Plan's asset allocation is outside the permissible ranges as specified above, Staff may engage in rebalancing transactions among existing managers to bring the Plan's allocation back to compliance with the permissible ranges.

Investment Structure

In addition to being diversified across asset classes, the Program's investments will be diversified within each asset class. This will provide reasonable assurance that no single security or class of securities will have a disproportionate impact on the total Program.

Individual asset class portfolios will be diversified so that they are representative of the investment opportunity set within each asset class. Additionally, the perceived efficiency of each asset class will be considered when deciding between active and passive management within the investment structure.

The asset class benchmarks for asset classes approved in the asset allocation policy are as follows:

<u>Short Duration Bonds</u>	<u>Bloomberg U.S. 1-3 Yr Gov/Cr Float Adjusted Index</u>
Core Bonds:	<u>Barelays-Bloomberg U.S. Aggregate Index</u>
Long Duration Bonds:	<u>Barelays-Bloomberg U.S. Long Credit Index</u>
High Yield Bonds:	<u>BofA ML_U.S. High Yield Master II Constrained Index</u>
TIPS:	<u>Barelays-Bloomberg U.S. TIPS Index</u>
U.S. Equity:	<u>Russell 3000 Index</u>
Non-U.S. Equity:	<u>MSCI All Country World ex-US Index Net Dividends</u>
<u>Global Min Vol Equity:</u>	<u>MSCI ACWI ex-US Minimum Volatility Index</u>

External Investment Managers will be hired to implement the structural targets in a diversified manner and will therefore have derived target weightings within the overall investment program. Individual manager benchmarks will be specified in their written investment guidelines.

Permissible Securities

Section 215.47 of Florida Statutes (copy attached) lists securities that may be purchased by the Plan's investment manager(s). While individual manager guidelines will detail how portfolios will be invested, Florida Statute allows for investment in the following securities:

- U.S. Government and Agency Bonds
- Municipal securities rated in the top four rating classifications by two nationally recognized rating services
- Corporate bonds
- Registered foreign bonds denominated in U.S. dollars rated in the top four rating classifications by two nationally recognized rating services
- Commercial paper that is rated in the highest rating classification by one nationally recognized rating agency
- Asset-backed securities rated in the highest rating classification by one nationally recognized rating service
- Mortgage-backed securities issued or guaranteed by the U.S. Government or its Agencies
- Mortgage-backed securities issued by private issuers that represent an interest in or are collateralized by mortgage-backed securities issued or guaranteed by the U.S. Government or its Agencies
- Mortgage-backed securities issued by private issuers that represent an interest in or are collateralized by whole mortgage loans
- Derivatives, including mortgage derivative products, that are consistent with Statute and investment manager guidelines
- Common stocks, convertible securities and other securities with equity-like characteristics or U.S. and non-U.S. issuers subject to Statute
- Structured Settlements/annuities agreements

Prohibited Investments

The following items are prohibited in all Investment Manager accounts:

- Borrowing of money.
 - An exception may occur if an asset class such as private real estate is approved by the Board where leverage is a key component of the investment strategy;
- Purchase of securities on margin, unless fully collateralized by cash or cash equivalents, or short sales;
- Pledging, mortgaging, or hypothecating of any securities except for loans of securities that are fully collateralized;
- Purchase of the securities of the Investment Managers, its parents, or its affiliates, unless private letter ruling has been obtained specific to the securities in question;
- Collateralized Debt Obligations, Collateralized Bond Obligations, Collateralized Loan Obligations, Structured Investment Vehicles, Special Purpose Entities, and securities with maturities that are extendable by the issuer;
- Limited partnerships, direct partnerships, private placements, venture capital, direct real estate, commodities, oil and gas wells;
- Purchase or sale of futures or options or other derivatives that result in leveraging the Investment Manager's account beyond 10% of the unleveraged portfolio market value;
- Market timing transactions – accounts are expected to be fully invested in their respective asset class and not tactically allocating between cash and other securities;
- Any securities or investments that are not permissible under Section 215.47 Florida Statutes.

Diversification and Risk Controls

The Board expects the Plan's assets to be diversified across and within asset classes. Furthermore, the Board expects individual investment manager(s) to have sufficient controls in place to maintain compliance with this Policy and specific investment guidelines. Specifically, the Board of Directors requires:

- The Plan to be diversified across and within asset classes to limit volatility of the total Plan investment returns and to limit the impact of large losses on individual investments on the total Plan.
- Individual portfolios are to be managed according to this Investment Policy Statement and the written investment guidelines contained within Investor Management Agreements. These guidelines are intended to ensure that the portfolio meets its objective and operates within acceptable risk parameters. A process to be established by which compliance with all elements of the investment policy and portfolio guidelines are measured and monitored, with compliance exceptions being reported.

Derivatives Policy:

Securities purchased must be compliant with Section 215.47, Florida Statutes. Fixed Income Investment Managers are permitted to utilize futures, options on futures, and exchange traded swaps in compliance with Section 215.47 (10), Florida Statutes, provided that their usage is strictly for bona fide hedging purposes including yield management and maintaining the portfolio's duration, such that the net futures positions do not impact the portfolio's effective duration greater than +/- 20% of the appropriate index duration.

Equity Investment Managers may be permitted to utilize futures and options on futures in compliance with Section 215.47 (1) Florida Statutes, to equitize portfolio cash.

Specific allowances regarding derivative securities are stated in the individual Investment Managers' investment guidelines.

Proxy Voting Policies

The Board delegates the responsibility for voting proxies to the investment manager(s). The Board expects proxies to be voted vigorously and in the best interest of the Plan.

Investment Manager Selection, Monitoring, and Retention/Termination Standards

Investment Manager Selection

NICA endeavors to use a structured and disciplined approach in the evaluation of firms and products engaged for the purpose of providing portfolio investment management services to the Plan, taking into account both qualitative and quantitative factors to ensure that such decisions are made fairly and with consistently applied criteria.

Investment managers may be hired by NICA based on factors which may include but are not limited to:

- historic investment performance
- professional staff,
- size of firm
- research capabilities and ancillary services
- area of specialization
- strategic fit with overall program objectives and fee structure

NICA may also grant opportunities to small, Florida based, and minority-owned investment management firms to enhance their growth and development.

The preliminary candidate list is derived by a screening of the Investment Consultant or Plan Custodian database. Additionally, firms known to NICA may be included for analysis. In the case of passive products which are not included in the database, the candidate list will include the largest, nationally recognized indexing providers.

Final recommendations are submitted to the Board of Directors for consideration. The Board of Directors shall make final decisions on the selection of investment management firms and the Executive Director executes contracts for these services.

Investment Manager Monitoring

NICA acknowledges that fluctuating rates of return characterize the securities markets, particularly during short-term time periods. Accordingly, NICA has principally adopted a three to five year time horizon in evaluating managers relative to established benchmarks and peers. Returns will be evaluated on a net-of-fee basis.

NICA monitors and evaluates the performance of its investment managers through the following:

- Monthly net-of-fee quantitative review of performance relative to an appropriate market index;
- Quarterly gross-of-fee quantitative review relative to an appropriate peer group of active managers. Passive managers will be compared only to their benchmark market index;

- Monitoring adherence to written investment guidelines; Semi-annual manager reviews which may occur on-site or at the NICA offices.

Investment Manager Retention and Termination

Decisions regarding retention or termination of investment managers and investment products may be based solely on qualitative factors which affect the character or stability of the firm or on a combination of qualitative and quantitative factors. Nonetheless, NICA reserves the right to terminate/retain, fund/defund or engage in enhanced monitoring of managers at its sole discretion, without regard to policy guidelines.

NICA utilizes a Watch List to facilitate retention/termination decisions. The purpose of a Watch List is to define the conditions that will cause NICA to formally evaluate the continued retention of an investment manager. The qualitative and quantitative conditions for placing a manager on the Watch List are described below. Placing a manager on the Watch List is an intermediate step toward either resolving the problem or terminating the manager. Since NICA's goal is to determine the likelihood of future success, it is important that retention/termination decisions be based on an analysis that includes both qualitative and quantitative aspects. If NICA determines that the conditions which caused the manager to be placed on the Watch List have not been satisfactorily addressed, the relationship will be terminated.

Six to twelve months will generally be the time period over which improvement or other resolution will occur for managers placed on Watch List. A zero-fee probationary sanction or an immediate reduction in assets may be imposed on a manager at this time. These periods may be extended at the Board's discretion. However, significant continued deterioration of performance or additional extraordinary events may result in a decision to terminate a manager prior to the end of the watch period.

Investment managers serve at the pleasure of the NICA Board and may be terminated without notice irrespective of any other provision of this policy.

Active Investment Management Retention/Termination

Quantitative Factors that will be monitored and may result in placing an active investment manager on the Watch List or terminating an investment manager include:

- Trailing 5-year annualized net performance below market index

or, two or more of the following peer universe rankings:

- Trailing 3-year annualized gross performance in bottom quartile of peer universe
- Trailing 3-year annualized gross Information Ratio in bottom quartile of peer universe
- Trailing 5-year annualized gross performance in bottom quartile of peer universe

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In the case of recently hired managers, NICA may utilize pre-hire composite performance data or data from another similar portfolio for implementation of these Guidelines. In the case of managers with a longer term history with NICA and/or a longer term product history, consideration may be given to since-inception results.

Qualitative Factors that may result in placing an investment manager on Watch List or terminating an investment manager include:

- Intentional deviation from stated investment style & philosophy
- Changes in ownership/business plan
- Deterioration in client service
- Turnover of key personnel in the Plan's portfolio product
- Material change in clients and/or assets under management in the Plan's portfolio product
- Advent of material litigation

When a manager is placed on the Watch List, NICA, with the assistance of Investment Consultants, will conduct a thorough manager evaluation to include an analysis of the portfolio to determine the cause of underperformance and a review of other viable investment alternatives to identify other product providers in the event the firm or product is subsequently terminated. This in-depth due diligence review is similar in scope and focus to NICA's initial manager selection process and explores a broad combination of elements including a manager's performance, organization personnel and investment philosophy and process. The review will focus on whether the investment manager currently embodies characteristics sufficient to provide reasonable assurance that the Plan's investment goals will be achieved in the future. Mitigating factors may include extreme market conditions and sharp improvement in short term results which can reasonably be expected to continue. This review will be presented to the Board and actions will be taken subject to Board approval.

Passive Investment Management Retention/Termination

NICA may decide to defund or terminate the relationship subject to a thorough review. NICA will evaluate passive managers based on their ability to meet agreed upon expectations with respect to tracking error relative to the benchmark index as well as their ability to provide value-added services such as transition management and asset allocation analysis. Additionally, certain extraordinary events at the Investment Manager organization as described elsewhere in this document may be the basis for an immediate termination, regardless of historical performance.

Amendment and Coordination

The Board reserves the right to interpret this Statement of Investment Policy and to resolve any ambiguity or other issue which may arise in regard to the Statement of Investment Policy contained herein, including the ability to modify or revise, and the decision of the Board shall be final.

This Statement of Investment Policy was approved by the Board of Directors of the Florida Birth-Related Neurological Injury Compensation Association on ~~December 4, 2020~~July 6, 2023.

~~Jim DeBeaugrine~~ Charlie Lydecker
Chair, Board of Directors

Date Signed

**STATEMENT OF INVESTMENT POLICY FOR
FLORIDA BIRTH-RELATED
NEUROLOGICAL INJURY COMPENSATION PLAN
Amended July 6, 2023**

Purpose

The purpose of this Statement is to establish the investment policy for the management of the assets of the Florida Birth-Related Neurological Injury Compensation Plan (Plan). Specifically, this Statement establishes the following:

- Investment goals of the Plan
- Responsibilities of the various parties that have a role in the management and oversight of Plan assets
- Asset allocation policy of the Board of Directors
- Securities permitted according to Section 215.47 of Florida Statutes
- Diversification requirements and risk controls of the Plan
- Proxy voting policies
- Investment Manager selection, monitoring and performance evaluation standards

The investment goals, objectives and asset allocation policy may be amended from time to time. Suggested changes to this document will be subject to approval by the Board of Directors and will be recommended on an as needed basis.

Investment Goals

Plan assets are invested in long-term strategies and evaluated within the context of a long-term investment horizon. Short-term fluctuations in value will be considered secondary to long-term results.

Plan investment goals are twofold:

1. The primary goal is to earn a sufficient investment return that ensures payment of all current and future liabilities
2. The secondary investment performance goal is to exceed the Total Fund Policy benchmark return, net of fees, over a full market cycle. The Total Fund Policy benchmark is a mix of market indices that are representative and proportional to the Asset Allocation Policy.

Pursuing these goals requires prudent assumption of investment risk.

Distinction of Responsibilities

Board of Directors

The Board of Directors of the Florida Birth-Related Neurological Injury Compensation Association (NICA) has the ultimate fiduciary responsibility with respect to the management of Plan assets. The Board's role is intended to be broad and high level in scope. Specific responsibilities of the Board of Directors include:

- Establishing an investment policy statement, which among other items, identifies the asset allocation strategy of the Plan;
- Approving asset class and total fund benchmarks used in performance evaluations;
- Approving asset class structure decisions including which assets classes to utilize and the percentage invested in active and passive investment strategies;
- Hiring and termination decisions of external investment managers, including the Florida Treasury and Florida State Board of Administration;
- Adopting investment manager guidelines;
- Monitoring the performance of Plan investments; reviewing compliance with, and the continued appropriateness of, investment policies.

The Board is expected to delegate certain of its responsibilities to others, such as the Finance Committee or NICA staff, and may utilize the services of external advisors, such as actuaries, auditors, consultants and legal counsel, to assist in fulfilling its fiduciary responsibilities. The comments and recommendations of such parties will be considered by the Board in conjunction with other available information for the purpose of making informed and prudent decisions.

Finance Committee

A Finance Committee may be appointed and called upon by the Chair of the Board of Directors subject to Board approval. The Finance Committee will be called upon as needs present for additional study of investment related issues in order to assist the Board. A member of the Board may request referral of a specific issue to the Finance Committee. The Finance Committee's role is advisory in nature. In advising the Board, the Finance Committee may draw upon the expertise of outside consultants or experts in identifying and understanding investment issues. The Finance Committee may make specific recommendations for approval by the Board.

Staff

The NICA staff's responsibility in the management and oversight of the Plan's assets is one of monitoring, negotiating and providing signature authority and direction on behalf of the Board. Although staff does not have a direct role in the active management of the investments, the Board

of Directors expects staff to monitor the Plan's investments regularly and carry out negotiations and provide official Board responses and positions with relation to the policies outlined and specific recommendations voted on by the Board. Specific duties of the staff include:

- Monitor the investment performance of manager(s) to ensure compliance with the Statement of Investment Policy and individual manager guidelines;
- Provide relevant reporting to the Finance Committee and Board of Directors;
- Work with the Plan actuary and outside experts to periodically review the financial circumstances of the Plan in order to ensure current investment policies are appropriate;
- Serve as the primary contact for investment managers should any questions arise;
- Negotiate and provide signature authority on behalf of the Board or in response to Board policy.
- The Executive Director and the Deputy Director are authorized to raise cash as necessary for the operation of the Fund, and to transfer funds from cash or other asset classes to rebalance the Plan back to the specific Asset Allocation Policy authorized by the Board of Directors.

Investment Managers

The Board may, from time to time, cause the Plan to retain one or more Investment Managers. The Investment Managers, as fiduciaries of the Plan, assume certain responsibilities. Specifically, the Investment Managers have discretionary authority to invest a specific allocation of the Plan, subject to the parameters set forth in the Investment Guidelines section of each Investment Managers' Investment Management Agreement in the case of separate accounts, or pooled fund governing documents. Unless otherwise exempted, Investment Manager is expected to comply with all program guidelines and directives issued by NICA on behalf of the Plan.

Investment managers serve at the pleasure of the NICA Board and may be terminated without notice irrespective of any other provision of this policy.

The role of an investment manager is to implement the established investment policies, with the objective being to earn a rate of return in excess of the appropriate performance benchmark while incurring an acceptable level of risk. Investment managers employed on behalf of the Plan should use the care, skill, prudence, and diligence that a prudent investor would use in managing the portfolio under similar circumstances. The manager should be accorded *full discretion* within guidelines to make relative value decisions among different types of securities and products.

The specific duties of a separate account Investment Manager are documented in the Investment Management Agreement that is executed upon the appointment of that Investment Manager as an Investment Manager of the Plan. These duties generally consist of the following:

- Implement investment policy. The manager is given full discretion, within guideline limits, to purchase individual securities or products and control risks;

- Comply with Section 215.47 of Florida Statutes;
- Meet with the Board of Directors or their delegates, such as NICA staff and Investment Consultant(s), as requested and deemed necessary;
- Suggest changes to investment guidelines as warranted;
- Vote proxies vigorously and in the best interest of the Plan;
- Participate in a commission recapture program as directed by NICA, unless exempted in writing. Such participation shall be consistent with the Investment Manager's ability to transact consistent with principles of best execution, taking into account factors including net price (including commissions), execution capability and other services that the broker may provide;
- Communicate their proposed investment strategy for achieving the Plan's investment objectives relative to the stated objectives and guidelines. If at any time a manager feels that the performance standards cannot be met, or that the guidelines or standards inhibit fulfillment of fiduciary duties or inappropriately restrict performance, the manager must notify NICA in writing;
- Apprise NICA immediately and fully of any material changes in their investment style, objectives, market outlook, key personnel and/or business conditions;
- Review asset reports sent by the custodian for position and market value variances and report discrepancies within the time frames specified in the Investment Management Agreement.

The Board acknowledges that, if it elects to invest in a pooled investment product (e.g. a group trust, mutual fund, etc.), the policies established for each product will govern and may not comply fully with policies established for the Plan. The Board or its delegates will monitor the performance of pooled funds to the extent appropriate for the particular product in accordance with the principles set forth in this Investment Policy document.

Investment Consultant

NICA may retain one or more independent third party investment consultants. The Investment Consultant's role is advisory in nature, assisting NICA staff and the Board in fulfilling their fiduciary responsibilities with respect to the Plan. Duties of the Investment Consultant may include:

- Assisting the Board and Finance Committee in fulfilling its investment responsibilities regarding the Plan;
- Assisting in the evaluation of the financial condition of the Plan as requested by the Board or Finance Committee;
- Recommending the asset allocation, investment structure and strategy (including the investment objectives, policy and guidelines) and qualified Investment Managers to execute the investment strategy;

- Recommending the individual investment objectives, policy and guidelines for each qualified Investment Manager;
- Monitoring and evaluating the ongoing progress of the Plan toward stated investment goals and objectives;
- Reporting performance and progress towards stated investment goals to the Board on a regular basis;
- Recommending appropriate action should an investment strategy or individual Investment Managers fail to meet expectations;
- Recommending strategy changes in response to material changes in either the financial condition of the Plan or the capital market environment;
- Performing any additional duties as may be provided in the written agreement between the Board and the Investment Consultant.

Plan Custodian

The Plan's custodian will provide monthly statements which show manager transactions, list assets and report earnings. Compliance monitoring as well as all other requirements under the contract between NICA and the custodian will also be reported by the Plan's custodian.

Asset Allocation Policy

Asset allocation refers to the strategic, long-term deployment of assets among the major classes of investments such as equity, fixed income, real estate, alternative investments and cash equivalents. Over the long-term, asset allocation is expected to be the single greatest determinant of risk and contributor of return to the Plan. The Board has responsibility for the asset allocation decision. The asset allocation decision reflects the return objectives and liquidity needs of the Plan, as well as the Board's tolerance for variability (risk) in asset returns and future funding obligations.

The asset allocation targets are the result of an asset liability study based on long run liability cash flow estimates and capital market relationships. This asset allocation policy will remain in effect until there is a meaningful change in either the financial condition of the Plan, the return objectives, risk tolerance, and liquidity needs of the Plan, or a change in capital market conditions, at which time a new asset liability study shall be conducted. A study will be conducted at a least once every five years.

It is the policy of the Board of Directors to invest the Plan's assets according to the following target allocations and permissible ranges. The ranges are set to be approximately 85% to 115% of the policy target percentage.

	<u>Target</u>	<u>Range</u>
Growth Allocation	28%	24% – 32%
U.S.	14%	12% – 16%
Non-U.S. Equity	14%	12% – 16%
Defensive Growth Allocation	18%	15% - 21%
Global Minimum Volatility Equity	9%	7.5% – 10.5%
High Yield Bonds	9%	7.5% – 10.5%
Defensive/Rate Sensitive Allocation	50%	42% – 58%
Core Bonds	25%	21% – 29%
Long Duration Credit	20%	17% – 23%
Short Duration Bonds	3%	2.5% - 3.5%
Cash	2%	1.5% - 4%
Inflation Sensitive Allocation	4%	3% – 5%
TIPS	4%	3% – 5%

The Board of Directors, in consultation with their investment advisors and portfolio managers, may consider near term economic and capital market conditions in their decisions on the timing and methodology of implementing these targets and their choice of sector allocations within the fixed income and equity portfolios.

Fund cash flows will be utilized to keep the Plan’s asset allocation as close to the target allocation as practical. However, the Plan’s natural cash flows may not be sufficient to maintain an asset allocation within the approved policy ranges. During any month-end where the Plan’s asset allocation is outside the permissible ranges as specified above, Staff may engage in rebalancing transactions among existing managers to bring the Plan’s allocation back to compliance with the permissible ranges.

Investment Structure

In addition to being diversified across asset classes, the Program’s investments will be diversified within each asset class. This will provide reasonable assurance that no single security or class of securities will have a disproportionate impact on the total Program.

Individual asset class portfolios will be diversified so that they are representative of the investment opportunity set within each asset class. Additionally, the perceived efficiency of each asset class will be considered when deciding between active and passive management within the investment structure.

The asset class benchmarks for asset classes approved in the asset allocation policy are as follows:

Short Duration Bonds	Bloomberg U.S. 1-3 Yr Gov/Cr Float Adjusted Index
Core Bonds:	Bloomberg U.S. Aggregate Index
Long Duration Bonds:	Bloomberg U.S. Long Credit Index
High Yield Bonds:	BofA ML U.S. High Yield Master II Constrained Index
TIPS:	Bloomberg U.S. TIPS Index
U.S. Equity:	Russell 3000 Index
Non-U.S. Equity:	MSCI All Country World ex-US Index Net Dividends
Global Min Vol Equity:	MSCI ACWI ex-US Minimum Volatility Index

External Investment Managers will be hired to implement the structural targets in a diversified manner and will therefore have derived target weightings within the overall investment program. Individual manager benchmarks will be specified in their written investment guidelines.

Permissible Securities

Section 215.47 of Florida Statutes (copy attached) lists securities that may be purchased by the Plan's investment manager(s). While individual manager guidelines will detail how portfolios will be invested, Florida Statute allows for investment in the following securities:

- U.S. Government and Agency Bonds
- Municipal securities rated in the top four rating classifications by two nationally recognized rating services
- Corporate bonds
- Registered foreign bonds denominated in U.S. dollars rated in the top four rating classifications by two nationally recognized rating services
- Commercial paper that is rated in the highest rating classification by one nationally recognized rating agency
- Asset-backed securities rated in the highest rating classification by one nationally recognized rating service
- Mortgage-backed securities issued or guaranteed by the U.S. Government or its Agencies
- Mortgage-backed securities issued by private issuers that represent an interest in or are collateralized by mortgage-backed securities issued or guaranteed by the U.S. Government or its Agencies
- Mortgage-backed securities issued by private issuers that represent an interest in or are collateralized by whole mortgage loans
- Derivatives, including mortgage derivative products, that are consistent with Statute and investment manager guidelines
- Common stocks, convertible securities and other securities with equity-like characteristics or U.S. and non-U.S. issuers subject to Statute
- Structured Settlements/annuities agreements

Prohibited Investments

The following items are prohibited in all Investment Manager accounts:

- Borrowing of money.
 - An exception may occur if an asset class such as private real estate is approved by the Board where leverage is a key component of the investment strategy;
- Purchase of securities on margin, unless fully collateralized by cash or cash equivalents, or short sales;
- Pledging, mortgaging, or hypothecating of any securities except for loans of securities that are fully collateralized;
- Purchase of the securities of the Investment Managers, its parents, or its affiliates, unless private letter ruling has been obtained specific to the securities in question;
- Collateralized Debt Obligations, Collateralized Bond Obligations, Collateralized Loan Obligations, Structured Investment Vehicles, Special Purpose Entities, and securities with maturities that are extendable by the issuer;
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- Monthly net-of-fee quantitative review of performance relative to an appropriate market index;
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- Intentional deviation from stated investment style & philosophy
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- Deterioration in client service
- Turnover of key personnel in the Plan's portfolio product
- Material change in clients and/or assets under management in the Plan's portfolio product
- Advent of material litigation

When a manager is placed on the Watch List, NICA, with the assistance of Investment Consultants, will conduct a thorough manager evaluation to include an analysis of the portfolio to determine the cause of underperformance and a review of other viable investment alternatives to identify other product providers in the event the firm or product is subsequently terminated. This in-depth due diligence review is similar in scope and focus to NICA's initial manager selection process and explores a broad combination of elements including a manager's performance, organization personnel and investment philosophy and process. The review will focus on whether the investment manager currently embodies characteristics sufficient to provide reasonable assurance that the Plan's investment goals will be achieved in the future. Mitigating factors may include extreme market conditions and sharp improvement in short term results which can reasonably be expected to continue. This review will be presented to the Board and actions will be taken subject to Board approval.

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NICA may decide to defund or terminate the relationship subject to a thorough review. NICA will evaluate passive managers based on their ability to meet agreed upon expectations with respect to tracking error relative to the benchmark index as well as their ability to provide value-added services such as transition management and asset allocation analysis. Additionally, certain extraordinary events at the Investment Manager organization as described elsewhere in this document may be the basis for an immediate termination, regardless of historical performance.

Amendment and Coordination

The Board reserves the right to interpret this Statement of Investment Policy and to resolve any ambiguity or other issue which may arise in regard to the Statement of Investment Policy contained herein, including the ability to modify or revise, and the decision of the Board shall be final.

This Statement of Investment Policy was approved by the Board of Directors of the Florida Birth-Related Neurological Injury Compensation Association on July 6, 2023.

Jim DeBeaugrine
Chair, Board of Directors

Date Signed

Agenda Item # 4.A. (Tab E)

September 30, 2022 Reserve Report



June 29, 2023

Ms. Melissa Jaacks
Interim Executive Director
Florida Birth Related Neurological
Injury Compensation Association
PO Box 14567
Tallahassee, Florida 32317-4567

Re: NICA Outstanding Loss Reserves – As of September 30, 2022

Dear Ms. Jaacks:

I have reviewed Turner's analyses of the NICA outstanding loss reserves as of September 30, 2022. This letter describes my review and conclusions.

1.0 QUALIFICATIONS

I am a Fellow of the Casualty Actuarial Society, a Member of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to make the actuarial opinions contained in this letter.

2.0 CONCLUSIONS

I have concluded that Turner reasonably determined the reserves as of September 30, 2022 based on the stated assumptions. The key assumption is a 1.5% differential between the interest discount rate and the rate of inflation affecting future payments. This assumption stays unchanged from prior analyses. There is no change to the recommended risk margin of \$75.5 million from the prior analysis.

3.0 NATURE OF NICA'S RESERVES

NICA's reserves are a liability on its balance sheet and represent an estimate of the expected remaining lifetime cost of the benefits to all children born through the given point in time. The reserves reflect future inflation and are discounted to present-value.

The reserves also include a provision for the overhead expenses of NICA in administering those benefits as well as an estimated amount that will be due Medicaid to reimburse expenses they paid on or after August 31, 2021 on behalf of NICA claimants.

4.0 FINANCIAL SOLIDITY OF NICA

From an actuarial perspective, NICA's financial condition can be evaluated by comparing its assets (mainly financial investments) to its liabilities (mainly its reserves). As of June 30, 2022, NICA's draft balance sheet showed that its assets were less than its liabilities by almost \$31 million. The decrease in assets and increase in liabilities occurring in the quarter will have worsened NICA's net position. However, regarding the threshold requirement that NICA must meet to continue accepting claims, Turner's calculations indicate that NICA exceeds the minimum funding threshold by \$13.4 million as of September 30, 2022, thus passing the threshold requirement.

5.0 NOTABLE ITEMS

5.1 SB 1786, Medicaid

In May 2021, the Florida Legislature passed Senate Bill 1786 (SB 1786), which resulted in explicit changes to the benefit obligations of NICA. The estimated impact of the explicit benefit modifications has been included in NICA's reserves since the March 31, 2021 valuation.

In addition to the explicit benefit modifications, SB 1786 includes a requirement for review of the interaction between NICA and Medicaid. As defined in Florida Statutes 766.301 to 766.316, starting August 31, 2021, Medicaid will be payor of last resort relative to NICA claimants for expenses. Therefore, the estimates, as shown in Turner's reports, include the assumption that NICA will be covering all eligible expenses incurred starting August 31,

2021, on a prospective basis, including those that were formerly paid by Medicaid. These added expenses are included on a prospective basis beginning with NICA's September 30, 2021 reserve valuation.

Additionally, beginning with the September 30, 2022 reserve valuation, there is an accrual included in the reserve estimates for future reimbursements to Medicaid (Attachment 1, Page 3, Row 5: Estimated Reimbursement due to Medicaid). This amount is intended to cover reimbursements that will ultimately be paid to Medicaid for payments they make to NICA claimants on or after August 31, 2021.

5.2 Large Payouts to Claimants in 2021-2Q through 2022-3Q

SB1786 retroactively increased the parental award and death benefits. In addition, NICA has made retroactive payments to correct past inequities in claims payments. As a result, NICA's payments were significantly elevated in each of the last 6 quarters.

5.3 Reserving Methodology

The methodology underlying the reserve estimates is similar to June 30, 2022 with adjustments to reflect recent increases in Medicaid nursing hourly rates.

NICA claimants are classified into two impairment groups based on the claimant's mobility and feeding capabilities. Separate mortality tables are developed for the two groups based on actual NICA experience. Average annual expense payments are estimated from actual NICA claim payment data and Medicaid payment data for three expense categories: Nursing, Medical and All Other. The annual estimated expense payments are then inflated at 3.5% annually to recognize increasing costs over time.

While we assume a constant increase in costs over time, it is typical for actual nursing expenses (hourly rates) to remain the same for several years then increase sharply. For instance, the nursing hourly rate was \$15.00 from June, 2008 to June, 2022, then increased by 15.5% to \$17.32 effective July 1, 2022. Periodic sharp increases in hourly rates, such as this, are anticipated.

6.0 OBSERVATIONS

Attachment 1 summarizes NICA's claim payments and reserves (excluding risk margin) over time. I note the following:

1. The September 30, 2022 reserve for loss and loss adjustment expenses is \$1.3551 billion (Attachment 1, Page 3, Row 6). This is about \$96.5 million more than the reserve as of June 30, 2022 and is driven by an increase in the nursing care reimbursement rate.
2. The average reserve per outstanding claim is shown on Attachment 1, Row 12. Through year-end 2020, prior to the passage of SB1786, the average reserve per outstanding claim was running at about \$3.7 million per claim. Post-SB1786, the average reserve has increased to about \$5 million per claim, an increase of approximately 35%.
3. The number of outstanding claims (Attachment 1, Row 10) has been reasonably consistent over the last year or so. Please note that the number of outstanding claims excludes "DA" claims (claimant is deceased at the time of acceptance).
4. Attachment 1, Row 14 shows the aggregate claim payments per quarter. Prior to passage of SB1786, these were running around \$5 million per quarter but increased sharply in 2021 as SB1786's retroactive payments were made to claimants. Since June 30, 2021, the aggregate payments have varied quite substantially by quarter as retroactive payments continue to be paid. We expect the quarterly payments to decrease once all the retroactive payments have been made. However, we also expect an increase to payments due to future reimbursements to Medicaid.
5. Attachment 1, Row 15 shows the claims incurred (i.e., aggregate amounts paid to claimants plus changes in reserves) per quarter. To be sustainable, over the long-run NICA needs to generate sufficient revenue (via its investments and charges to healthcare providers) to cover these costs plus its overhead costs.
6. For several years up through year end 2020, NICA enjoyed a low inflation/high investment return environment where its liabilities (i.e., reserves) grew at a relatively slow pace due to low inflation, while its assets grew much faster due to high investment returns. The economic environment has changed, and we're now experiencing a period where the situation is reversed, i.e., a higher inflationary environment impacting reserves coupled with lower investment returns. The

reserve estimates are based on a long-term view of inflation rates and investment returns.

Please let me know if you have any questions or comments.

Digitally signed by Mark
Crawshaw
Date: 2023.06.29 12:52:55
-04'00'

Mark Crawshaw

Mark Crawshaw, Ph.D., FCAS, MAAA

Madison Consulting Group, Inc.

200 N. Second Street

Madison, GA 30650

706-342-7750

mark.crawshaw@madisoninc.com

SUMMARY OF NICA CLAIMS PAYMENTS AND RESERVES
(\$ MILLIONS)

Item	3/31/2017	6/30/2017	9/30/2017	12/31/2017	3/31/2018	6/30/2018	9/30/2018	12/31/2018	3/31/2019
(1) Case Reserves (a)	\$ 539.2	\$ 537.3	\$ 540.9	\$ 547.6	\$ 550.3	\$ 556.0	\$ 556.9	\$ 576.6	\$ 577.8
(2) IBNR Reserve (a)	287.4	268.4	265.5	266.8	266.2	263.7	266.1	266.7	263.6
(3) Subtotal - Reserve for Future Benefits [(1) + (2)]	806.6	805.7	806.4	814.4	816.5	819.7	823.1	843.3	841.4
(4) ULAE Reserves (a)	11.1	11.1	12.7	12.8	12.8	12.7	12.6	13.2	13.2
(5) Estimated Reimbursement due to Medicaid	-	-	-	-	-	-	-	-	-
(6) Total Reserves	817.7	816.8	819.1	827.1	829.3	832.4	835.7	856.5	854.6
(7) - Change in Quarter	(19.6)	(0.9)	2.4	8.0	2.1	3.1	3.3	20.8	(1.9)
(8) Number of Open Accepted Claims Excl. DA (b)	189	190	191	191	194	197	198	200	203
(9) Number IBNR Claims Excluding DA (b)	33	33	32	29	30	30	31	31	32
(10) Total Outstanding Claims	222	223	223	220	224	227	229	231	235
(11) - Change in Quarter	(4.0)	1.0	-	(3.0)	4.0	3.0	2.0	2.0	4.0
(12) Average Reserve per Claim [(6) / (10)]	\$ 3.68	\$ 3.66	\$ 3.67	\$ 3.76	\$ 3.70	\$ 3.67	\$ 3.65	\$ 3.71	\$ 3.64
(13) Claim Payments (a)	210.3	214.5	218.4	222.8	227.1	231.8	236.1	240.4	244.6
(14) - Change in Quarter	5.1	4.2	3.9	4.4	4.3	4.7	4.3	4.3	4.2
(15) Claims Incurred in Quarter [(7) + (14)]	\$ (14.5)	\$ 3.3	\$ 6.3	\$ 12.4	\$ 6.4	\$ 7.8	\$ 7.6	\$ 25.1	\$ 2.3
(16) Average Number of Open Claims	193	190	191	191	193	196	198	199	202
(17) Average Paid Per Open Claim	\$ 0.026	\$ 0.022	\$ 0.020	\$ 0.023	\$ 0.022	\$ 0.024	\$ 0.022	\$ 0.022	\$ 0.021

Notes:
(a) Turner Section I, Exhibit I (Exhibit I, Sheet 1 or Sheet 1a for prior evaluations.)
(b) Turner Section IV, Exhibit IV (Exhibit X, Sheet 1d or Sheet 1e for prior evaluations.)

SUMMARY OF NICA CLAIMS PAYMENTS AND RESERVES
(\$ MILLIONS)

Item	6/30/2019	9/30/2019	12/31/2019	3/31/2020	6/30/2020	9/30/2020	12/31/2020	3/31/2021	6/30/2021
(1) Case Reserves (a)	\$ 576.5	\$ 573.9	\$ 611.8	\$ 620.3	\$ 628.3	\$ 637.2	\$ 663.9	\$ 665.1	\$ 691.4
(2) IBNR Reserve (a)	259.5	266.2	292.0	296.8	296.3	301.4	273.7	399.5	374.8
(3) Subtotal - Reserve for Future Benefits [(1) + (2)]	836.0	840.1	903.8	917.1	924.7	938.6	937.6	1,064.6	1,066.2
(4) ULAE Reserves (a)	12.2	12.1	14.4	14.4	14.3	14.2	14.9	15.0	14.9
(5) Estimated Reimbursement due to Medicaid	-	-	-	-	-	-	-	-	-
(6) Total Reserves	848.2	852.2	918.1	931.5	939.0	952.8	952.5	1,079.6	1,081.1
(7) - Change in Quarter	(6.4)	4.0	65.9	13.4	7.5	13.8	(0.3)	127.1	1.5
(8) Number of Open Accepted Claims Excl. DA (b)	206	208	215	222	228	229	226	228	234
(9) Number IBNR Claims Excluding DA (b)	32	31	28	27	28	29	29	29	27
(10) Total Outstanding Claims	238	239	243	249	256	258	255	257	261
(11) - Change in Quarter	3.0	1.0	4.0	6.0	7.0	2.0	(3.0)	2.0	4.0
(12) Average Reserve per Claim [(6) / (10)]	\$ 3.56	\$ 3.57	\$ 3.78	\$ 3.74	\$ 3.67	\$ 3.69	\$ 3.74	\$ 4.20	\$ 4.14
(13) Claim Payments (a)	248.6	253.4	258.1	262.8	268.4	274.1	279.0	284.7	318.2
(14) - Change in Quarter	4.0	4.8	4.7	4.7	5.6	5.7	5.0	5.7	33.5
(15) Claims Incurred in Quarter [(7) + (14)]	\$ (2.4)	\$ 8.8	\$ 70.6	\$ 18.1	\$ 13.1	\$ 19.5	\$ 4.7	\$ 132.7	\$ 35.0
(16) Average Number of Open Claims	205	207	212	219	225	229	228	227	231
(17) Average Paid Per Open Claim	\$ 0.020	\$ 0.023	\$ 0.022	\$ 0.021	\$ 0.025	\$ 0.025	\$ 0.022	\$ 0.025	\$ 0.145

Notes:
(a) Turner Section I, Exhibit I (Exhibit I, Sheet 1 or Sheet 1a for prior evaluations.)
(b) Turner Section IV, Exhibit IV (Exhibit X, Sheet 1d or Sheet 1e for prior evaluations.)

SUMMARY OF NICA CLAIMS PAYMENTS AND RESERVES
(\$ MILLIONS)

Item	9/30/2021	12/31/2021	3/31/2022	6/30/2022	9/30/2022
(1) Case Reserves (a)	\$ 692.2	\$ 799.9	\$ 805.7	\$ 806.7	\$ 896.2
(2) IBNR Reserve (a)	619.7	414.9	417.9	431.7	424.8
(3) Subtotal - Reserve for Future Benefits [(1) + (2)]	1,311.9	1,214.8	1,223.6	1,238.4	1,321.0
(4) ULAE Reserves (a)	14.8	20.2	20.2	20.2	20.2
(5) Estimated Reimbursement due to Medicaid	-	-	-	-	14.0
(6) Total Reserves	1,326.7	1,235.0	1,243.8	1,258.6	1,355.1
(7) - Change in Quarter	245.6	(91.7)	8.8	14.8	96.5
(8) Number of Open Accepted Claims Excl. DA (b)	235	230	232	233	238
(9) Number IBNR Claims Excluding DA (b)	29	27	27	29	27
(10) Total Outstanding Claims	264	257	259	262	265
(11) - Change in Quarter	3.0	(7.0)	1.5	3.5	3.0
(12) Average Reserve per Claim [(6) / (10)]	\$ 5.03	\$ 4.81	\$ 4.81	\$ 4.80	\$ 5.11
(13) Claim Payments (a)	\$ 335.9	\$ 347.0	\$ 359.3	\$ 395.5	\$ 410.5
(14) - Change in Quarter	17.7	11.1	12.3	36.2	15.0
(15) Claims Incurred in Quarter [(7) + (14)]	\$ 263.3	\$ (80.6)	\$ 21.1	\$ 51.0	\$ 111.5
(16) Average Number of Open Claims	235	233	231	233	236
(17) Average Paid Per Open Claim	\$ 0.075	\$ 0.048	\$ 0.053	\$ 0.156	\$ 0.063

Notes:

(a) Turner Section I, Exhibit I (Exhibit I, Sheet 1 or Sheet 1a for prior evaluations.)

(b) Turner Section IV, Exhibit IV (Exhibit X, Sheet 1d or Sheet 1e for prior evaluations.)

**FLORIDA BIRTH RELATED NEUROLOGICAL INJURY
COMPENSATION ASSOCIATION
REVIEW OF OUTSTANDING LOSS RESERVES
EVALUATED AS OF SEPTEMBER 30, 2022**

DRAFT

**Turner Consulting, Inc.
April, 2023**

TURNER CONSULTING, INC.
CONSULTANTS AND ACTUARIES

125 Clairemont Avenue
Suite 540
Decatur, Georgia 30030
(404) 373-2326
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April 4, 2023

Ms. Melissa Jaacks
Executive Director
Florida Birth Related Neurological
Injury Compensation Association
2360 Christopher Place, Suite 1
Tallahassee, Florida 32308

Re: NICA Outstanding Loss Reserves – Evaluated as of September 30, 2022

Dear Ms. Jaacks:

Please find enclosed our report on loss and loss adjustment expense (LAE) reserves established for the Florida Birth Related Neurological Injury Association (NICA) as of September 30, 2022.

We have enjoyed working with you on this project and look forward to discussing any questions or comments you may have.

Sincerely,

George W. Turner Jr.
Fellow of the Casualty Actuarial Society,
Member of the American Academy of Actuaries

Cc: Tim Daughtry, Mark Crawshaw

**FLORIDA BIRTH RELATED NEUROLOGICAL INJURY ASSOCIATION
REVIEW OF OUTSTANDING LOSS RESERVE
EVALUATED AS OF SEPTEMBER 30, 2022**

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INTRODUCTION

Purpose

Turner Consulting, Inc. (Turner Consulting) was requested by the Florida Birth Related Neurological Injury Compensation Association (NICA) to estimate the outstanding loss and loss adjustment expense (LAE) reserves related to claims incurred by NICA under the current definition of a “birth related neurological injury” as contained in Florida Statute 766.302. The loss and LAE reserve estimate relates to claims incurred prior to and evaluated as of September 30, 2022. The loss and LAE reserve estimates are developed on both a current cost level basis and after consideration of prospective period inflation and anticipated investment income (i.e., discounted to present-value).

Background

NICA was created by Florida Statute to provide care for children beginning in 1989 that meet the birth related injury criteria as defined in Florida Statutes 766.301 to 766.316. The NICA statute replaces the traditional tort liability remedies with a no-fault type system for those children that meet the requirements as defined in the statute. The qualifying child must be severely mentally and physically impaired. In addition, a claim must be filed within five years after birth. Prior to the 1994 birth year, a claim had to be filed within seven years of birth. Care is provided for the life of the child.

Funds are collected from the various medical care providers during each birth year and invested until payments are required on behalf of the qualifying claimants. There are very limited resources for collecting additional funds from the insurance industry and the Florida Office of Insurance Regulation in the event the funds collected from the medical care providers are not adequate. Due to the significant expected delay between the time when funds are collected and actual benefits are paid, the estimated impact of inflation and anticipated investment

income must be considered in the establishment of overall loss and LAE reserve levels.

In reports issued prior to September 30, 2012 certain care provided by parents or guardians to claimants paid for by NICA was described as “family care”. While the estimates as developed in the prior reports as well as in the current report are based on a review of all amounts paid and case reserves established related to all care as covered under the NICA statutes, a separate estimate of the amounts related to “family care” was also shown. In the more recent reports a separate estimate is no longer shown for the expense previously labeled as “family care” other than the segregation of amounts estimated for the retrospective portion of the class action settlement as described in the next paragraph. However, a separate estimate of the reserve amounts related to “family residential or custodial care” as defined in Florida Statute 766.302 (10) is calculated for purposes of the threshold calculation as described in Florida Statute 766.314 (9). This statute specifically excludes benefits related to “family residential or custodial care” for purposes of the threshold calculation contained in the statute.

A class action settlement agreement was entered into during September 2012 which was approved pursuant to a November 26, 2012 Final Judgment and Order by the Florida Circuit Court. The settlement terms may impact benefits payable to all parents or guardians of a child born with a “birth-related neurological injury” in the State of Florida during the time period of January 1, 1989 through June 6, 2002, who obtained a final order which imposed on NICA the “continuing obligation under provisions of Section 766.31, Florida Statutes, to pay future expenses as incurred”. The estimated impact on the case reserves of this settlement agreement was incorporated into the case reserve estimates as provided by NICA. The impact was separated into estimates related to the retrospective portion of the settlement (currently defined as prior to August 1, 2012) and the prospective portion of the settlement (currently defined as

subsequent to July 31, 2012). It is our understanding that the majority of the retrospective portion has been paid as of September 30, 2022.

In May 2021, the Florida Legislature passed Senate Bill 1786 (SB 1786), which resulted in increases to the financial obligations of NICA. This report includes consideration of the explicit changes set forth in SB 1786 such as an increase in the parental award, death benefit, housing assistance, transportation and the inclusion of a mental health benefit.

In addition to these explicit benefit changes, it is likely that NICA will assume responsibility for some portion of the expenses historically paid by Medicaid to NICA claimants. The estimates as shown in this report include the assumption that on a prospective basis (starting August 31, 2021) Medicaid will be payor of last resort relative to NICA claimants for expenses as defined in Florida Statutes 766.301 to 766.316. The reserve estimates as included in this report do not include any consideration of payments NICA may be ordered to reimburse Medicaid related to retrospective payments made by Medicaid in prior years to NICA claimants. In the event NICA is ordered to reimburse Medicaid for prior amounts paid by Medicaid the reserve estimates will need to be adjusted to include these additional amounts. However, during the transition period over which some or all of these services are transferred from Medicaid to NICA an estimate is included in the reserve estimates for payments made on expenses incurred subsequent to August 31, 2021 that Medicaid may subsequently request reimbursement.

It is our understanding Florida Statute limits the hourly rate for family care as being the same as the rates established by Medicaid for private duty nursing services provided by a home health care aide. By policy, NICA has also adopted Medicaid rates for all private duty services including those provided by nurses. Effective July 1, 2022, the Agency for Health Care Administration (AHCA) increased those rates. Rates for nurses increased slightly but the home health

aid rate increased from \$ 15.00 to \$ 17.32 per hour. This increase in the hourly rate resulted in a significant increase in both the case reserves established by NICA as of September 30, 2022 and the outstanding loss and LAE reserves as shown in this report relative to the comparable estimates evaluated as of June 30, 2022.

Changes Included December 31, 2021 and Subsequent – Additional Method

As a result of the passage of SB 1786, NICA made a number of one-time loss payments during calendar year 2021 and 2022. In addition, NICA extensively revised the year-end case reserve worksheets as of December 31, 2021 to reflect the SB 1786 changes. The combined impact of these factors resulted in a significant one-time change and discontinuity in both the cumulative paid and incurred loss and ALAE used in many of the loss projection methods utilized in prior actuarial reports.

The estimates as shown in this report evaluated as of September 30, 2022 include the case reserve changes incorporated as of December 31, 2021 plus the additional case reserve and claim payment amounts made during the first three quarters of 2022. The claim payments made during the first three quarters of 2022 not only included additional payments as anticipated related to the reserves set forth in our December 31, 2021 report but also included additional statutory changes related to a broadening of the increase in the parental award from \$ 100,000 to \$ 250,000 for all prior deceased claimants. The estimated increase in payments during the first nine months of 2022 related to this change in beneficiaries qualifying for the parental award increase is approximately \$ 35 million. In addition, there is an increase in the payments during the first nine months of 2022 related to expected additional payments for retroactive family care not previously included. Finally, as mentioned previously the increase in the nursing care hourly rate from \$ 15.00 to \$ 17.32 resulted in an increase in the average annual payment amount for nursing care. Other than the above mentioned items the assumptions included in the reserve estimates as of

September 30, 2022 are similar to those included in our December 31, 2021 report.

As a result of the impact of the reserve and claim payment adjustments related to the implementation of SB 1786, an additional method is included in this report as well as the prior report evaluated as of December 31, 2021. While certain aspects of this additional methodology are similar to the incremental payment method included in our prior reports the new procedure includes a number of additional refinements. On an overall basis this new procedure relies on the segregation of all NICA claimants into two separate impairment groups. Actual historical NICA mortality experience is used to estimate two separate mortality tables for the two groups. In addition, average annual claim payments are developed for three separate expense categories at 2022 loss levels. The average 2022 level annual payment amounts are developed based on the review of actual NICA claim payment information, Medicaid payment information and Affordable Care Act (ACA) health insurance premium information as provided in a report prepared for NICA by Wakely Consulting Group, LLC (Wakely).

An illustration of the magnitude of changes incorporated during 2021 can be made based on the change in the cumulative paid loss and ALAE and the increase in the case outstanding loss and ALAE reserves during the 2021 year in comparison to the changes observed in the two prior years, 2020 and 2019. For example, the incremental loss and ALAE payments during 2021 were \$ 67.98 million in comparison to \$ 20.92 million and \$ 17.74 million in 2020 and 2019, respectively. The current level case outstanding loss and ALAE increased by \$ 200.04 million in 2021 in comparison to increases the current level case outstanding of \$ 75.00 million and \$ 48.36 million in 2020 and 2019, respectively.

The increased level of loss and LAE payments as well as the increase in the case outstanding loss and LAE continued during 2022. During the first three quarters of 2022 the incremental loss and ALAE payments increased by

approximately \$ 63.50 million and the current level (2022) case outstanding loss and ALAE reserve increased by approximately \$ 132.00 million. As mentioned previously a significant portion of the increased loss and ALAE payments are related to one - time charges related to retroactive benefit increases. The majority of the increase in the case outstanding is due to the increase in the hourly rate applicable to nursing care.

Many of the actuarial methods included prior to December 31, 2021 are based on an implicit assumption of continuity in paid and incurred claim amounts from valuation to valuation. The large changes occurring in 2021 and 2022 compromise this assumption. To address this situation, we have adjusted the paid and incurred loss and ALAE information in an attempt to minimize the impact on the methods used prior to December 31, 2021. As additional data emerges over the coming years the loss emergence patterns will adjust to the new benefit definitions and the impact of these one-time adjustments will be reduced. The results of the application of the prior (“Old”) methods on the loss experience after adjustment are shown in Section V based on the year-end analysis (i.e. as of December 31, 2021).

Due to the magnitude of these changes and the uncertainty related to any adjustment procedure to minimize their impact, we included an additional methodology to address the changes related to SB 1786 on a prospective basis. This new methodology will be the primary basis of our estimate until adequate historical experience is captured for the prior methods.

Qualifications

I, George W. Turner Jr. am a consulting actuary for Turner Consulting, Inc. I am a Fellow of the Casualty Actuarial Society and a member of the American Academy of Actuaries and I meet the Qualification Standards of the American Academy of Actuaries to render the opinions as expressed in this report.

Distribution and Use

This report is intended solely for the use of NICA and its Board of Directors and advisors. Any further use or distribution of this report is not intended or authorized without our prior written consent.

Conditions and Limitations

In preparing the estimates as shown in this report we relied without audit or verification on loss, exposure and expense information provided to us by responsible employees of NICA.

The indicated ultimate loss and LAE estimates provided in this report are based on the accuracy of the loss projection methods included. In addition, the final loss and LAE reserve estimates will be affected by the prospective period inflation and investment returns realized by NICA. The combined impact of these factors results in a significant degree of uncertainty in the estimated NICA loss and LAE reserve evaluated as of December 31, 2021 and as of September 30, 2022. This uncertainty arises from the estimation of many internal and external factors that have yet to occur or be reported, but which will impact the ultimate settlement value of claims incurred prior to September 30, 2022. Due to the level of uncertainty of the impact of these factors on the ultimate number and settlement value of losses incurred by NICA, there can be no guarantee that actual losses will not vary, perhaps significantly, from the estimates shown in this report. However, we have employed actuarial methods and assumptions that are appropriate given the information as provided.

The loss and LAE reserve estimates shown in this report reflect consideration of payments made on the behalf of NICA claimants by other providers, such as health insurance coverage, Medicaid, etc. Since the payments made by these other providers in many cases reduce the amounts that would otherwise be paid by NICA, any change in the portion of benefits covered by these other providers will

impact the loss and LAE reserve estimates shown in this report. To the extent any of these providers change the level of benefit payments (e.g. change from a primary provider to an excess provider) from those made previously, the reserve estimates shown in this report will need to be adjusted.

An additional source of variation is introduced in the development of loss and LAE reserve estimates on a present value basis. This variation arises from the fact that actual loss and LAE payments may occur more rapidly or more slowly than contemplated in the assumed payment pattern. Thus, the calculated investment income would differ from the actual investment income earned in proportion to the variation in actual payments from expected payments.

The loss and LAE reserve estimates contained in this report include explicit consideration of estimated prospective period inflation and investment returns. Specifically, the loss and LAE reserve estimates include consideration of the anticipated investment income earned on funds collected prior to the actual payment of claims. The estimated investment income is based on the assumption that sufficient assets will be available for investment to cover the present value of the ultimate losses. To the extent sufficient funds are not available the ultimate loss reserve estimates will need to be increased to account for the reduction in anticipated investment income.

The last remaining reinsurance treaty was commuted during 2019. Since all reinsurance treaties have been commuted, the outstanding loss and LAE reserves shown as of September 30, 2022 do not include any additional anticipated reinsurance recoveries.

The attached exhibits summarizing the assumptions and calculations underlying the estimates are to be considered an integral part of the report. Thus, an accurate understanding of the conclusions set forth in the report is conditional upon an examination of both the text and the attached exhibits. Further, any

distribution of this report should be provided in its entirety and with the understanding that we are available to answer questions with regard to the methods and assumptions underlying the conclusions herein.

Executive Summary

The outstanding loss and LAE reserve (i.e. Loss, ALAE, and ULAE reserves after inflation and discount) as of September 30, 2022 is \$ 1,355 million. In contrast to prior reports there is no segregation in the portion of the total outstanding loss and ALAE related to SB 1786 as the current case reserve estimates now include consideration of SB 1786 changes. The estimated unallocated loss adjustment expense reserve of \$ 20.2 million is shown in Item (11A) of Section I, Exhibit I.

The outstanding loss and ALAE reserve is valued using an annual interest discount rate that exceeds the annual inflation in claim payments by 1.5%. This assumption is unchanged from our recent prior analyses. The outstanding loss and LAE reserve is determined using actuarial methods similar to those used in our recent prior analyses.

Total **case** outstanding loss and ALAE reserves **after** the inclusion of the SB 1786 benefit revisions and prior to adjustment for prospective inflation and discount increased by \$ 132.0 million during the first nine months of 2022 (as of September 30, 2022 relative to December 31, 2021 Section I, Exhibit I, Column (4)). Total loss and ALAE payments during the first nine months of 2022 were approximately \$ 63.5 million (Section I, Exhibit I, Column (2) minus Section I, Exhibit I, Column (2) of the December 31, 2021 report).

Total ultimate loss and ALAE estimates after consideration of anticipated inflation and investment income increased by approximately \$ 183.6 million relative to the estimates as shown in December 31, 2021 report (Section I, Exhibit I, Column (10) + Item (11B) minus Section I, Exhibit I, Column (10) of the December 31,

2021 report). A large portion of the increase in ultimate loss and ALAE during the first nine months of 2022 is due to changes in the parental award increase to include all previously deceased NICA accepted claimants, the increase in reserves to cover additional retroactive family care payments and the increase in the nursing care hourly rate from \$ 15.00 to \$ 17.32.

As mentioned previously an additional reserve is included for estimated expenses incurred after August 31, 2021 that were paid by Medicaid for which NICA may be required to reimburse Medicaid at some time in the future. This estimate is based on a review of recent amounts paid by Medicaid to NICA claimants and only includes estimated expenses incurred subsequent to August 31, 2021.

A summary of the changes in the overall estimate of ultimate loss and ALAE from December 31, 2021 to September 30, 2022 (excluding the \$ 14.0 million increase related to Medicaid reimbursement not allocated to birth year) is shown in the table on the following page.

Ultimate After Inflation & Discount

Birth Year	12/31/21	9/30/22	Change (3) - (2)
(1)	(2)	(3)	(4)
1989	29,164,798	31,558,695	2,393,897
1990	20,108,535	21,818,227	1,709,692
1991	29,000,326	30,750,292	1,749,966
1992	60,959,954	63,674,462	2,714,508
1993	55,851,901	58,775,371	2,923,470
1994	23,840,925	26,214,899	2,373,974
1995	38,191,482	40,417,900	2,226,418
1996	37,761,935	40,789,154	3,027,219
1997	55,204,643	58,523,388	3,318,745
1998	78,542,806	82,820,819	4,278,013
1999	26,751,661	29,968,613	3,216,953
2000	22,045,609	24,172,387	2,126,778
2001	27,943,745	30,625,430	2,681,685
2002	75,244,402	81,436,601	6,192,199
2003	20,700,364	23,729,176	3,028,812
2004	32,086,377	35,049,647	2,963,269
2005	41,169,699	44,979,483	3,809,784
2006	55,702,969	61,345,409	5,642,439
2007	42,093,230	46,577,170	4,483,939
2008	54,154,198	59,023,965	4,869,767
2009	58,232,412	63,634,191	5,401,779
2010	31,666,339	35,070,388	3,404,049
2011	56,679,611	61,132,603	4,452,992
2012	41,886,269	45,368,360	3,482,090
2013	36,167,322	39,821,944	3,654,622
2014	46,087,771	50,730,990	4,643,219
2015	73,182,063	80,348,639	7,166,576
2016	25,752,098	39,768,901	14,016,803
2017	67,290,308	73,058,717	5,768,409
2018	86,657,081	100,336,451	13,679,370
2019	72,365,997	67,482,793	(4,883,204)
2020	77,734,132	66,474,947	(11,259,185)
2021	61,630,342	60,383,565	(1,246,777)
2022 - 9 mo		55,617,808	55,617,808
Totals All:	1,561,851,306	1,731,481,383	169,630,077

Loss and LAE reserve estimates referenced above include the separate estimation of loss and ALAE and ULAE reserves. The ULAE reserve as of September 30, 2022 is developed on Section V, Exhibit I, Sheets 4a and 4b of the prior year-end report (i.e. as of December 31, 2021) and will be updated on an annual basis. The present value of the ULAE reserve estimate as of December 31, 2021 and as of September 30, 2022 is \$20.2 million and relates to the loss adjustment expense not allocated to a specific claim file that is associated with actual settlement of claims incurred prior to September 30, 2022.

The loss and LAE reserves shown in the attached Section I, Exhibit I are stated on a present value basis. Since current case reserves established by NICA in the case reserve worksheets are recorded on a current (2022) cost level basis, both case reserves and the bulk / incurred but not reported (IBNR) reserves as shown in Section I, Exhibit I have been adjusted to include the estimated impact of inflation between the current (2022) evaluation date and the time at which actual payments are expected to be made by NICA. In addition, the payment stream after adjustment for inflation has been discounted to reflect an estimate of the investment income expected to be earned by NICA on assets representing the reserve funds, between the evaluation date of this report and the time period payments are expected to be made. The present value loss and LAE reserve estimate of \$1,355 million is shown in Item (12) of Section I, Exhibit I.

Alternative estimates of the loss and ALAE reserve based on a short-term variation in the inflation and interest rate assumptions are shown in Section I, Exhibit II. As mentioned previously, this alternative is intended to illustrate the potential impact of a short term adverse variation in the inflation / interest rate differential from the long term selected assumptions of 3.5 % / 5.0 %. The selected inflation and interest rate assumptions based on the best estimate and the alternative illustration are shown by year in Section IV, Exhibit III, Sheets 3a and 3b.

Actuarial Standards of Practice provide that a risk margin may be included in an unpaid claim estimate, and if it is, the risk margin and the basis for calculating it should be disclosed. As part of our determination of actuarially sound and appropriate reserve levels for NICA, an estimated risk margin was provided in prior reports.

The passage of SB 1786 (described below) will impact the risk margin calculation. Once the final decisions related to the changes under consideration as a result of this law change are taken, a revised risk margin calculation will be developed. In the interim we recommend that NICA maintain the current risk margin at a level no lower than \$75.5 million.

Senate Bill 1786

The passage of Senate Bill 1786 (SB 1786), by the Florida Legislature in May 2021 resulted in increases to the benefit obligations of NICA. As mentioned previously, SB 1786 resulted in a number of explicit benefit changes (e.g. an increase in the parental award from \$ 100,000 to \$ 250,000). In addition to these explicit modifications SB 1786 will likely result in a change to the allocation of expenses previously reimbursed by Medicaid. It is our understanding these expenses may on a prospective basis be covered by NICA. Further, it is our understanding that starting August 31, 2021, Medicaid will be payor of last resort relative to NICA claimants for expenses as defined in Florida Statutes 766.301 to 766.316. Note that reserve estimates included in this report do not include any consideration of payments relative to retrospective payments made by Medicaid except those starting on August 31, 2021.

Our understanding of the most significant explicit changes set forth in SB 1786 are described below:

- (1) Increase in the Parental Award from the current \$ 100,000 maximum to a maximum of \$ 250,000 for all current NICA claimants. This change will

apply retroactively to all NICA claimants currently receiving benefit payments. The maximum Parental Award will increase by three percent a year beginning on January 1, 2022.

- (2) The current death benefit of \$ 10,000 will increase to \$ 50,000. The new death benefit of \$ 50,000 will apply to all current open claimants upon their death, as well as to all prior children who died since the inception of the program. Prior beneficiaries will receive additional amounts to bring the total to \$ 50,000 by July 1, 2021.
- (3) Housing assistance of up to \$ 100,000 for the life of the child, including home construction and modification cost.
- (4) A total annual benefit of up to \$ 10,000 for immediate family members who reside with the infant for psychotherapeutic services obtained from providers licensed under chapter 490 or chapter 491. We understand NICA interprets the \$ 10,000 as an aggregate limit for all family members.
- (5) For the life of the child, providing parents or legal guardians with a reliable method of transportation for the care of the child or reimbursing the cost of upgrading an existing vehicle to accommodate the child's needs when it becomes medically necessary for wheelchair transportation. The plan must replace any vans purchased by the plan every seven years or 150,000 miles, whichever comes first.

In addition to the changes described above, Section 7 of SB 1786 required the Agency for Health Care Administration (“the Agency”) to review its Medicaid third party liability functions and rights under Florida statutes relative to NICA. This review must assess the extent and value of liabilities owed by NICA as a third-party benefit provider. Based on its findings, the Agency shall provide recommendations regarding the development of policies and procedures to ensure robust implementation of Agency functions and rights relative to the primacy of NICA’s third-party benefits payable under NICA Statute 766.31 (1)(a)1 and any recoveries due the Agency. The final additional liability to NICA will be

contingent upon the decisions taken by public officials related to the Agency's report, submitted November 1, 2021.

The reserve estimates as included in this report are based on the assumption that NICA will cover the majority of covered expenses on a prospective basis. This may include some or all of the expenses that in prior years would have been reimbursed by Medicaid. These expenses include Nursing, Hospital, Physician, Drug and miscellaneous expenses.

Methodology - General

As mentioned previously, the methodology used in this report and the prior year-end report evaluated as of December 31, 2021 changed from the procedures used in reports prepared prior to December 31, 2021 (prior reports). A summary of the new procedure was provided earlier in the text. As mentioned this new procedure is included to overcome the one-time changes (i.e. in both amounts paid during 2021 and in the case reserving methods implemented at the end of 2021) to paid and incurred loss and ALAE amounts as of December 31, 2021 as a result of the impact of SB 1786.

While many aspects of the new and old procedures are similar the actual application varies. The new procedure includes a more directly explicit recognition of the impact of expected mortality with regard to the two primary claimant groups (i.e. Class A and Classes B, C and D). The mortality tables as selected directly impact the duration over which benefits are to be paid. The estimated 2022 level annual payment amount selected for each of the three benefit categories are selected based on a review of actual payment amounts for the NICA claimants over the period from 2013 to 2020. The combination of these two components (i.e. duration of payments and average 2022 level annual payment) result in an estimate of the current outstanding loss and ALAE prior to consideration of anticipated inflation and investment income.

In a similar manner the prior procedure results in an estimate of the current (2022) level outstanding loss and ALAE for each birth year. However, the procedure relied primarily on a review of changes in the amounts paid by year and the changes in case outstanding loss and ALAE. A primary component of the prior approach included an implicit adjustment for increases in life expectancy over time as well as for changes in the estimated expense levels. The prior procedure relies upon the long-term consistency in the application of benefit levels and case reserving procedures. This approach results in the implicit adjustment over time based on historical development patterns. The changes resulting from the passage of SB 1786 distorted the long-term development patterns and will likely require the passage of time to fully understand.

While there are advantages and disadvantages to both approaches, the explicit consideration included in the new procedure is preferable given the recent legislative changes (SB 1786). Both methods result in an estimate of the remaining 2022 level outstanding loss and ALAE reserve prior to consideration of anticipated inflation and investment income. Since an estimate of the 2022 level payments on a prospective basis is required for both methods in order to estimate the impact of prospective inflation and investment income another advantage of the revised procedure is the explicit payment pattern that results from the new procedure.

Methodology – New Procedure

In summary the new procedure explicitly calculates the benefit payments for parental awards and death benefits based on estimates of the number of claimants. The remaining benefits are estimated based on the separate estimation of the number of years current open NICA claimants will likely require benefits and the average annual payment amounts expected. The average payment amounts are segregated into three benefit groups and initially stated on a current cost level (2022). The estimated 2022 level average annual payment

for each of the benefit type are based on the review of actual payment information for the period from 2013 to 2020 adjusted to include consideration of inflation and the change in the nursing care hourly rate from \$ 15.00 to \$ 17.32.

The three benefit groups are defined as follows:

- (1) Nursing Care – includes all categories
- (2) Hospital, Physician Expense and Drugs
- (3) All Other Expense Categories

This new procedure is also based on the assignment of accepted NICA claimants according to the severity of impairment. We initially segregated the claimants into four Classes labeled A, B, C or D as shown in Section I, Exhibit III. In our final analysis we regrouped these classes and effectively analyzed the NICA claims segregated into two impairment groups (i.e. labeled as Class A and Classes B, C, & D).

The historical NICA mortality experience for each of the two impairment groups was used to estimate the mortality separately for each of the two impairment groups. These mortality tables are used to estimate the expected number of years the current NICA open claimants will require payments for the benefits as now defined by the NICA legislation. A summary of the number of open claimants by birth year and by impairment group, as well as corresponding estimated number of unreported claims is shown in Section IV, Exhibit IV, Sheet 1. The number of these claims estimated to remain open claimants as of the end of each prospective calendar year after consideration of anticipated mortality are shown in Section IV, Exhibit V, Sheets 1 to 2.

The estimated current level (2022) payment amounts are also developed separately for the two impairment groups. In addition, the actual historical payment information is further segregated into Medicaid and Non-Medicaid depending on whether or not the claimant has historically been receiving

Medicaid benefits. This segregation was necessary claimants since the prospective payment amounts are based on both actual NICA payments as well as Medicaid payments made on behalf of NICA claimants. A summary of the actual historical average payment amounts (by claimant age) as well as the final selected 2022 level averages for the two impairment groups and three benefit types are shown in Section IV, Exhibit IV, Sheets 2-5.

The final 2022 level estimates after application of the revised procedure but prior to the consideration of prospective inflation and anticipated investment results is shown in Section IV, Exhibit I, Sheet 1.

A summary of the year-end 2022 level estimates of ultimate loss and ALAE based on the revised procedure as of September 30, 2022, the current procedure developed as of December 31, 2021 and the estimates as developed in the quarter ending September 31, 2021 are shown in Section III, Exhibit I, Columns (2), (3) and (4), respectively. The final selected estimate prior to adjustment to include anticipated inflation and discount as of shown in Column (5) is based on the revised methodology (i.e. review by impairment severity and payment type).

The final selected current (2022) level reserve estimates evaluated as of September 30, 2022 are then adjusted to include the estimated impact of prospective inflation and anticipated investment income. This adjustment is shown in Section II, Exhibit I based on the long-term inflation and investment return selections of 3.5 % and 5.0 %, respectively. Due to recent changes in the inflation and investment return rates an alternative version is provided as an indication of the sensitivity of the current reserve estimate to potential short-term variations in the longer-term selections used as our best estimate. The resulting impact on the outstanding loss and ALAE reserve based on this alternative variation is shown in Section II, Exhibit II.

The final step in the loss reserve estimation process is to adjust the 2022 cost level loss reserve estimates referenced above to include the estimated impact of prospective inflation (2023 and subsequent) and anticipated investment income (discount). The prospective period inflation rate is based on a review of historical and recent inflation rates as measured by the Consumer Price Index (both the all items and medical services indices) over the time period from 1960 to 2021. The prospective period investment returns are selected based on the review of geometric averages for investment returns for a model portfolio invested per NICA's current investment policy and for a conservative model portfolio over the period from 1926 to present as well as actual NICA investment returns over the period from 1991 to present. While the actual prospective period inflation rates and investment returns are subject to a significant degree of uncertainty the difference or increment between inflation and investment returns is of primary importance. Due to recent increases in overall inflation levels it is important to monitor any changes in the difference in overall inflation and inflation returns.

Based on a review of actual inflation and investment returns we selected an increment of one and one – half percent (1.50 %) and a prospective period inflation (combination of all items and medical services) rate of three and one-half (3.50%) percent. The indicated investment return percentage is then calculated to be five percent.

The loss and ALAE reserve estimates are developed based on the selected prospective period inflation rate, investment return and the assumed loss payment pattern for each birth year. The loss and ALAE payment patterns are developed separately for each birth year and are based on the open claims by severity category, the estimated annual payment amounts for each benefit group and the selected mortality factors. A summary of the outstanding loss and ALAE reserves before and after consideration of the inflation and interest adjustment applied to the indicated birth year components is shown in Section IV, Exhibit II, Sheets 1, 2 and 3.

Methodology – “Old” Loss Estimation Methods

The loss development methods as used in prior reports are not included in the interim report as of September 30, 2022. The estimates as developed using these prior methods based on the loss information as shown in the December 31, 2021 report are shown for reference in Section V, Exhibit I. All support for these estimates is included by reference to our year – end report evaluated as of December 31, 2021.

The loss and allocated loss adjustment expense (ALAE) reserve estimates do not include a provision for unallocated loss adjustment expense (ULAE) reserves. ULAE reserves are intended to cover anticipated loss adjustment expenses not covered in the loss and ALAE reserve estimates.

The calculation of the ULAE reserve related to specific claims administration and settlement expenses for claims incurred prior to September 30, 2022 is based on the year-end calculation as shown in Section V, Exhibit I, Sheets 4a and 4b of the December 31, 2021 report. This procedure is similar to that utilized in the calculation of NICA loss and ALAE reserves in that current expense levels are projected forward to estimated prospective period cost levels and then adjusted to a present value basis. The present value calculation includes consideration of both anticipated investment income and expected mortality over the time period. The ULAE reserve included as of September 30, 2022 is \$ 20.2 million.

The prospective period inflation rate of three (3%) percent for ULAE is selected to project anticipated ULAE expense payment as opposed to the three and one-half (3.5%) percent inflation rate selected to inflate loss and ALAE reserve. The somewhat lower inflation rate is based on the expectation that inflation for administrative expenses will be lower than the expenses for medical and other care.

The mortality adjustment is developed based on our review of historical NICA mortality experience for the two primary claimant groupings (see Section I, Exhibit III – Class A and Classes B, C and D). The final mortality adjustment is a blended average of average mortality assumptions for all open claimants by mortality class.

Historical NICA Inflation

In order to measure NICA's historical inflationary increases in claims costs, we began by segregating NICA's claim costs into major claim cost groups. The following expense groups were identified:

- Family Residential or Custodial Care
- Nursing Care by Others
- Legal Costs
- Parental Awards
- Medical Expenses
- Other

Each of these major expense groups were then examined separately for inflationary impacts. For example, relative to nursing care, we tracked the hourly cost of nursing care as paid by NICA since the program began in 1989.

An increase in the hourly rate for most parents providing care occurred in June 2008 (from \$9.70 per hour to \$15.00 per hour) and starting July 1, 2022 (from \$15.00 per hour to \$17.32 per hour). The increase in the hourly rate for most parents resulted in cost under the expense category Nursing Care By Parents as shown on Section V, Exhibit VII, Sheets 1a, 1b, 1c and 1d. Some of the major expense groups' inflation rates were estimated using CPI indices.

We tabulated the total payments and case outstanding reserves by fiscal year for each of the major expense group. By far the largest expense category is nursing care. The historical inflation rate for each birth year is estimated by weighting the historical inflation rates by expense groups with that expense group's percentage of total payments (or case reserves) by year. Overall, the historical "true" inflation rate for NICA has been minimal. On a paid basis inflation has averaged approximately one percent over the time period from inception (1989) to current (2022) with the only major increase occurring during 2008 and 2009. This inflation rate does not include increases related to increased utilization of certain types of nursing and custodial care or increases in longevity relative to the initial estimates. These increases are reflected in the loss development triangles and are assumed to continue although at a decreasing rate as indicated by the declining loss development factors in the later development periods.

Prospective NICA Inflation

Future inflation is estimated as a differential to various consumer price indices depending on the type of expense. The largest category, nursing expense, is assumed to increase at approximately one to two percent above the CPI – all indices annual increase. The overall average annual NICA inflation rate is estimated to be 1.00 to 2.00 percent above the CPI – All items index. We are assuming a 2.00 % increase in CPI – All items currently which gives a current estimate of inflation of 3.50 %.

Discount Rate

Due to the long term nature of NICA liabilities it is reasonable to base the discount rates to be used in the determination of NICA's reserve liabilities on a conservative estimate of investment returns likely to be realized on NICA's assets over a long term horizon. In determining assumptions for inflation and discount rates, we begin with the consumer price index for all items and

determine anticipated inflation and discount rates based on long term relationships to the consumer price index.

The discount rate assumption is selected based on reasonable expectations for a prudent, conservative investment strategy. Section IX shows the change in the CPI all items index as compared to returns for various classes of investments from 1926-2021. Specifically, we have examined returns for both large and small company stocks, long and intermediate government bonds, and treasury bills. These indices are taken from Ibbotson's 2009 SBBI Classic Yearbook and updated based on recent Federal Reserve data and U.S. Bureau of Labor Reports.

We also calculated the geometric average return, the arithmetic average return, and the standard deviation for each class of investment and the model portfolios. Returns were then calculated for the periods 1926-1929, 1930-1939, 1940-1949, 1950-1959, 1960-1969, 1970-1979, 1980-1989, 1990-1999, 2000-2009 and 2010-2019.

Based on this analysis, we recommend that the discount rate used in the discounting of NICA's reserve liabilities ranges from 2 % to 4 % above the CPI - All items index. In our current reserve calculations we have assumed a 3.0 % spread to the CPI - All items index. Based on a current selected CPI – All items inflation rate of two percent this produces a discount rate of 5.0 %. The 5.0 % appears to be reasonable based on NICA's actual average investment returns for the last twenty-eight years and based on the long-term averages.

It should be noted that in valuing NICA's reserve liabilities, the spread between inflation and interest rates is the key variable rather than the nominal values of each. Here we have assumed a 1.50 % spread between the medical inflation rate and the investment rate. At current levels of inflation and interest, this produces an assumption of 3.50 % for inflation and 5.00 % for interest income. If it turns

out to be 5.00 % inflation and 6.50 % interest income, this has a minimal impact on the overall reserve levels. It is the spread between these two key factors that is the critical variable.

Payment Pattern

The payment pattern used to include the impact of anticipated prospective inflation and investment income is developed explicitly for each birth year. The actual payment pattern includes consideration of the number of NICA claimants by impairment group for each birth year, estimated mortality applicable to each impairment group and the anticipated annual current level annual payment amounts for each of the three expense categories.

DRAFT

Summary of Estimated Outstanding Loss & ALAE
 After Consideration of Anticipated Inflation and Investment Income
Based on Current Long Term Inflation and Investment Income (3.5 % and 5.0 %)

Evaluated as of September 30, 2022

Birth Year	2022 Level - Information Provided as of 9/30/22			2022 Level		Loss & Expense Reserve - After Inflation and Present Value Adjustment			Indicated Ultimate After Inflation & Present Value Adjustment (2) + (7)	Present Value Factor Applied to Reserves (8) / (4)
	Paid Loss & ALAE	Incurred Loss & ALAE	Case Outstanding Loss & ALAE (3) - (2)	Selected Outstanding Loss & ALAE (a)	Indicated IBNR / Bulk Loss & ALAE (5) - (4)	Outstanding Loss & ALAE (b)	Case Outstanding Loss & ALAE (4) X [(7)/(5)]	Indicated IBNR / Bulk Loss & ALAE (7) - (8)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1989	18,753,861	34,081,550	15,327,689	16,250,330	922,640	12,804,835	12,077,818	727,017	31,558,695	0.78797
1990	9,039,830	18,393,452	9,353,622	16,347,808	6,994,186	12,778,398	7,311,335	5,467,062	21,818,227	0.78166
1991	12,810,134	30,641,922	17,831,789	23,210,211	5,378,422	17,940,158	13,782,947	4,157,211	30,750,292	0.77294
1992	21,101,471	64,195,229	43,093,758	56,167,677	13,073,919	42,572,990	32,663,451	9,909,539	63,674,462	0.75796
1993	27,106,580	64,551,816	37,445,236	41,256,014	3,810,778	31,668,791	28,743,575	2,925,216	58,775,371	0.76762
1994	11,161,503	31,406,593	20,245,090	20,268,636	23,546	15,053,396	15,035,909	17,487	26,214,899	0.74269
1995	14,803,285	43,645,829	28,842,544	34,586,403	5,743,858	25,614,615	21,360,726	4,253,889	40,417,900	0.74060
1996	14,006,450	37,840,002	23,833,552	34,280,774	10,447,222	26,782,704	18,620,553	8,162,151	40,789,154	0.78127
1997	18,009,885	62,869,935	44,860,050	54,540,446	9,680,396	40,513,503	33,322,753	7,190,751	58,523,388	0.74282
1998	29,383,779	88,992,673	59,608,893	71,238,788	11,629,894	53,437,039	44,713,321	8,723,718	82,820,819	0.75011
1999	16,859,283	30,233,991	13,374,708	16,560,449	3,185,741	13,109,330	10,587,483	2,521,848	29,968,613	0.79160
2000	9,582,763	21,781,462	12,198,699	19,491,294	7,292,595	14,589,624	9,130,970	5,458,653	24,172,387	0.74852
2001	12,177,864	35,334,774	23,156,910	24,246,731	1,089,821	18,447,566	17,618,401	829,165	30,625,430	0.76083
2002	24,928,971	84,621,447	59,692,476	74,394,578	14,702,102	56,507,630	45,340,406	11,167,224	81,436,601	0.75957
2003	8,073,573	19,987,883	11,914,310	20,980,994	9,066,684	15,655,604	8,890,223	6,765,381	23,729,176	0.74618
2004	8,905,993	39,613,541	30,707,548	36,258,467	5,550,919	26,143,654	22,141,242	4,002,412	35,049,647	0.72104
2005	12,736,345	43,816,294	31,079,948	42,772,929	11,692,981	32,243,137	23,428,721	8,814,416	44,979,483	0.75382
2006	14,682,116	66,051,225	51,369,109	63,932,252	12,563,143	46,663,292	37,493,623	9,169,669	61,345,409	0.72989
2007	15,991,847	47,447,776	31,455,929	40,033,724	8,577,795	30,585,323	24,031,983	6,553,340	46,577,170	0.76399
2008	10,936,938	68,735,800	57,798,862	67,889,402	10,090,540	48,087,026	40,939,754	7,147,273	59,023,965	0.70831
2009	14,121,561	73,045,021	58,923,460	69,021,930	10,098,470	49,512,630	42,268,529	7,244,100	63,634,191	0.71735
2010	6,031,108	33,838,800	27,807,692	42,519,248	14,711,556	29,039,280	18,991,760	10,047,520	35,070,388	0.68297
2011	8,983,997	62,081,603	53,097,605	74,376,922	21,279,317	52,148,606	37,228,834	14,919,772	61,132,603	0.70114
2012	6,067,992	48,923,757	42,855,766	57,234,186	14,378,421	39,300,368	29,427,296	9,873,072	45,368,360	0.68666
2013	9,274,856	44,246,977	34,972,121	41,377,382	6,405,261	30,547,088	25,818,368	4,728,721	39,821,944	0.73826
2014	10,733,897	50,010,172	39,276,275	57,855,152	18,578,877	39,997,092	27,152,928	12,844,164	50,730,990	0.69133
2015	10,915,787	90,653,240	79,737,453	99,876,579	20,139,126	69,432,852	55,432,403	14,000,449	80,348,639	0.69519
2016	3,567,506	37,205,094	33,637,588	53,746,401	20,108,814	36,201,394	22,656,914	13,544,481	39,768,901	0.67356
2017	7,139,613	68,898,189	61,758,576	97,906,055	36,147,479	65,919,105	41,581,392	24,337,713	73,058,717	0.67329
2018	10,284,947	103,479,596	93,194,649	137,590,162	44,395,513	90,051,503	60,995,046	29,056,458	100,336,451	0.65449
2019	6,591,728	56,564,781	49,973,053	92,297,876	42,324,823	60,891,065	32,968,391	27,922,675	67,482,793	0.65972
2020	4,034,732	47,206,768	43,172,036	95,190,302	52,018,266	62,440,215	28,318,759	34,121,456	66,474,947	0.65595
2021	1,707,209	8,021,969	6,314,760	89,452,403	83,137,643	58,676,355	4,142,171	54,534,185	60,383,565	0.65595
2022 - 9 mo.	1,117	2,997,500	2,996,383	84,766,163	81,769,780	55,616,691	1,965,984	53,650,707	55,617,808	0.65612
Totals:	410,508,520	1,661,416,661	1,250,908,141	1,867,918,668	617,010,527	1,320,972,863	896,183,968	424,788,894	1,731,481,383	
(11A) Estimated Outstanding ULAE - 12/31/21 (c)						20,162,351				
(11B) Estimated Medicaid Reimbursement - 8/31/21 to 9/30/22 Expenses (d)						14,000,000				
(12) Indicated Outstanding Loss & LAE - 9/30/22 = Col. (7) Total + (11A) + (11B)						1,355,135,214				

Notes: (a) See Section II, Exhibit I, Col. (2).
 (b) See Section II, Exhibit I, Col. (9).
 (c) See Section V, Exhibit I, Sheet 4b, Col. (9) of the NICA December 31, 2021 report.
 (d) Reserve estimate for amounts paid by Medicaid during the period from August 31, 2021 to September 30, 2022 that will ultimately be recovered from NICA. It is our understanding NICA will be responsible for payments previously made by Medicaid after August 31, 2021 but the transfer has yet to occur on an administrative basis.

Summary of Estimated Outstanding Loss & ALAE
 After Consideration of Anticipated Inflation and Investment Income
**Alternative Inflation / Investment Assumptions - Short Term Inflation Increase and Investment Decrease
 Before Return to Long Term Assumptions(3.5 % Inflation and 5.0 % Investment Income)**

Evaluated as of September 30, 2022

Birth Year	2022 Level - Information Provided as of 9/30/22			2022 Level	2022 Level	Loss & Expense Reserve - After Inflation and Present Value Adjustment			Indicated Ultimate After Inflation & Present Value Adjustment (2) + (7)
	Paid Loss & ALAE	Incurred Loss & ALAE	Case Outstanding Loss & ALAE (3) - (2)	Selected Total Outstanding Loss & ALAE (a)	Indicated IBNR / Bulk Loss & ALAE (5) - (4)	Outstanding Loss & ALAE (b)	Case Outstanding Loss & ALAE (4) X [(7)/(5)]	Indicated IBNR / Bulk Loss & ALAE (7) - (8)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	18,753,861	34,081,550	15,327,689	16,250,330	922,640	13,407,637	12,646,395	761,242	32,161,498
1990	9,039,830	18,393,452	9,353,622	16,347,808	6,994,186	13,389,814	7,661,165	5,728,648	22,429,643
1991	12,810,134	30,641,922	17,831,789	23,210,211	5,378,422	18,790,054	14,435,899	4,354,154	31,600,187
1992	21,101,471	64,195,229	43,093,758	56,167,677	13,073,919	44,598,844	34,217,755	10,381,089	65,700,315
1993	27,106,580	64,551,816	37,445,236	41,256,014	3,810,778	33,177,987	30,113,368	3,064,619	60,284,566
1994	11,161,503	31,406,593	20,245,090	20,268,636	23,546	15,769,559	15,751,240	18,319	26,931,062
1995	14,803,285	43,645,829	28,842,544	34,586,403	5,743,858	26,822,420	22,367,948	4,454,473	41,625,705
1996	14,006,450	37,840,002	23,833,552	34,280,774	10,447,222	28,032,566	19,489,514	8,543,052	42,039,016
1997	18,009,885	62,869,935	44,860,050	54,540,446	9,680,396	42,417,676	34,888,953	7,528,723	60,427,561
1998	29,383,779	88,992,673	59,608,893	71,238,788	11,629,894	55,965,495	46,829,001	9,136,494	85,349,275
1999	16,859,283	30,233,991	13,374,708	16,560,449	3,185,741	13,717,533	11,078,685	2,638,848	30,576,815
2000	9,582,763	21,781,462	12,198,699	19,491,294	7,292,595	15,275,948	9,560,509	5,715,439	24,858,711
2001	12,177,864	35,334,774	23,156,910	24,246,731	1,089,821	19,319,361	18,451,011	868,350	31,497,225
2002	24,928,971	84,621,447	59,692,476	74,394,578	14,702,102	59,140,717	47,453,134	11,687,584	84,069,688
2003	8,073,573	19,987,883	11,914,310	20,980,994	9,066,684	16,356,279	9,288,110	7,068,169	24,429,851
2004	8,905,993	39,613,541	30,707,548	36,258,467	5,550,919	27,365,507	23,176,038	4,189,469	36,271,500
2005	12,736,345	43,816,294	31,079,948	42,772,929	11,692,981	33,750,364	24,523,912	9,226,452	46,486,709
2006	14,682,116	66,051,225	51,369,109	63,932,252	12,563,143	48,774,863	39,190,255	9,584,608	63,456,979
2007	15,991,847	47,447,776	31,455,929	40,033,724	8,577,795	32,009,929	25,151,347	6,858,582	48,001,776
2008	10,936,938	68,735,800	57,798,862	67,889,402	10,090,540	50,290,709	42,815,899	7,474,811	61,227,648
2009	14,121,561	73,045,021	58,923,460	69,021,930	10,098,470	51,818,563	44,237,085	7,581,477	65,940,124
2010	6,031,108	33,838,800	27,807,692	42,519,248	14,711,556	30,368,739	19,861,230	10,507,510	36,399,847
2011	8,983,997	62,081,603	53,097,605	74,376,922	21,279,317	54,558,854	38,949,508	15,609,346	63,542,852
2012	6,067,992	48,923,757	42,855,766	57,234,186	14,378,421	41,091,261	30,768,280	10,322,981	47,159,253
2013	9,274,856	44,246,977	34,972,121	41,377,382	6,405,261	31,990,175	27,038,063	4,952,112	41,265,031
2014	10,733,897	50,010,172	39,276,275	57,855,152	18,578,877	41,878,343	28,430,058	13,448,285	52,612,240
2015	10,915,787	90,653,240	79,737,453	99,876,579	20,139,126	72,633,996	57,988,068	14,645,928	83,549,783
2016	3,567,506	37,205,094	33,637,588	53,746,401	20,108,814	37,882,138	23,708,820	14,173,318	41,449,645
2017	7,139,613	68,898,189	61,758,576	97,906,055	36,147,479	68,965,560	43,503,079	25,462,482	76,105,173
2018	10,284,947	103,479,596	93,194,649	137,590,162	44,395,513	94,224,862	63,821,808	30,403,054	104,509,809
2019	6,591,728	56,564,781	49,973,053	92,297,876	42,324,823	63,706,991	34,493,024	29,213,967	70,298,719
2020	4,034,732	47,206,768	43,172,036	95,190,302	52,018,266	65,278,481	29,606,009	35,672,472	69,313,213
2021	1,707,209	8,021,969	6,314,760	89,452,403	83,137,643	61,278,086	4,325,836	56,952,251	62,985,296
2022 - 9 mo.	1,117	2,997,500	2,996,383	84,766,163	81,769,780	58,076,619	2,052,940	56,023,679	58,077,735
Totals:	410,508,520	1,661,416,661	1,250,908,141	1,867,918,668	617,010,527	1,382,125,931	937,873,944	444,251,987	1,792,634,451
(11A) Estimated Outstanding ULAE - 12/31/21 (b)						20,162,351			
(11B) Estimated Medicaid Reimbursement - 8/31/21 to 9/30/22 Expenses (d)						14,000,000			
(12) Indicated Outstanding Loss & LAE - 9/30/22 = Col. (7) Total + (11A) + (11B)						1,416,288,282			

Notes: (a) See Section II, Exhibit II, Col. (2).
 (b) See Section II, Exhibit II, Col. (9).
 (c) See Section V, Exhibit I, Sheet 4b, Col. (9) of the NICA December 31, 2021 report.
 (d) Reserve estimate for amounts paid by Medicaid during the period from August 31, 2021 to September 30, 2022 that will ultimately be recovered from NICA. It is our understanding NICA will be responsible for payments previously made by Medicaid after August 31, 2021 but the transfer has yet to occur on an administrative basis.

Estimation of Outstanding Loss & Expense

Summary of Estimate Based on Review By Claim Class and Expense Category

Description of Selected Claim Classification Categories

	Mobility # ----- (1)	Mobility Category ----- (2)	Feeding # ----- (3)	Feeding Category ----- (4)			
	1	Cannot Lift Head	1	Tube Fed			
	2	Lifts Head but Unable to Roll or Sit	2	Fed By Others			
	3	Rolls / Sits but cannot Walk	3	Feeds Self			
	4	Walks					
Combination Mobility ----- (1)	Combination Feeding ----- (2)	Mobility # ----- (3)	Feeding # ----- (4)	Combination Number ----- (5)	Final Class Assignment ----- (6)	Assigned Severity ----- (7)	
Cannot Lift Head	Tube Fed	1	1	1-1	A	Most Severe	
Lifts Head but Unable to Roll or Sit	Tube Fed	2	1	2-1	B	Severe	
Rolls / Sits but cannot Walk	Tube Fed	3	1	3-1	B	Severe	
Walks	Tube Fed	4	1	4-1	C	Moderate	
Cannot Lift Head	Fed By Others	1	2	1-2	B	Severe	
Lifts Head but Unable to Roll or Sit	Fed By Others	2	2	2-2	C	Moderate	
Rolls / Sits but cannot Walk	Fed By Others	3	2	3-2	C	Moderate	
Walks	Fed By Others	4	2	4-2	D	Least Severe	
Cannot Lift Head	Feeds Self	1	3	1-3	B	Severe	
Lifts Head but Unable to Roll or Sit	Feeds Self	2	3	2-3	C	Moderate	
Rolls / Sits but cannot Walk	Feeds Self	3	3	3-3	D	Least Severe	
Walks	Feeds Self	4	3	4-3	D	Least Severe	

Summary of Estimated Outstanding Loss & ALAE
 Before and After Consideration of Anticipated Inflation and Investment Income
Based on Current Long Term Inflation and Investment Income (3.5 % and 5.0 %)

Evaluated as of September 30, 2022

2022 Level Outstanding - Before Inflation and Investment Income
 Evaluated as of September 30, 2022

Birth Year	Selected Outstanding Loss & ALAE All Categories Incl. Parental Award, Burial Expense & DA Claims		Indicated Outstanding Loss & ALAE Related to the Review of All Classes and Three Expense Categories	Estimated Average Inflation / Investment Discount Factor		Indicated Outstanding Loss & ALAE After Inflation / Investment		
	Parental Award, Burial Expense & DA Claims (a)	Outstanding Loss & ALAE Related to Parental Award, Burial Expense & DA Claims (b)		Related to Parental Award, Burial Expense & DA Claims (c)	Related to Impair. Class / Three Expense Group Review (d)	Related to Parental Award, Burial Expense & DA Claims (3) X (5)	Related to Impair. Class / Three Expense Group Review (4) X (6)	Combined (7) + (8)
(1)	(2)	(3)	(2) - (3) (4)	(5)	(6)	(7)	(8)	(9)
1989	16,250,330	360,570	15,889,760	0.73239	0.78924	264,077	12,540,757	12,804,835
1990	16,347,808	150,000	16,197,808	0.35111	0.78565	52,667	12,725,731	12,778,398
1991	23,210,211	350,231	22,859,980	0.61260	0.77540	214,550	17,725,608	17,940,158
1992	56,167,677	525,000	55,642,677	0.37952	0.76153	199,247	42,373,743	42,572,990
1993	41,256,014	425,000	40,831,014	0.44116	0.77101	187,493	31,481,298	31,668,791
1994	20,268,636	150,000	20,118,636	0.23361	0.74649	35,042	15,018,354	15,053,396
1995	34,586,403	470,000	34,116,403	0.58972	0.74268	277,168	25,337,448	25,614,615
1996	34,280,774	980,000	33,300,774	0.80678	0.78052	790,649	25,992,055	26,782,704
1997	54,540,446	915,711	53,624,735	0.67481	0.74398	617,927	39,895,576	40,513,503
1998	71,238,788	998,939	70,239,849	0.61125	0.75209	610,598	52,826,441	53,437,039
1999	16,560,449	595,000	15,965,449	0.84969	0.78944	505,564	12,603,767	13,109,330
2000	19,491,294	350,008	19,141,286	0.70130	0.74938	245,460	14,344,163	14,589,624
2001	24,246,731	400,000	23,846,731	0.67359	0.76229	269,435	18,178,131	18,447,566
2002	74,394,578	1,928,503	72,466,076	0.79565	0.75861	1,534,406	54,973,224	56,507,630
2003	20,980,994	1,092,276	19,888,718	0.90265	0.73759	985,945	14,669,659	15,655,604
2004	36,258,467	683,247	35,575,221	0.72517	0.72096	495,469	25,648,185	26,143,654
2005	42,772,929	995,190	41,777,739	0.77219	0.75338	768,478	31,474,659	32,243,137
2006	63,932,252	2,648,363	61,283,889	0.87765	0.72350	2,324,339	44,338,953	46,663,292
2007	40,033,724	1,029,257	39,004,467	0.79110	0.76327	814,242	29,771,082	30,585,323
2008	67,889,402	1,967,055	65,922,347	0.82628	0.70479	1,625,345	46,461,682	48,087,026
2009	69,021,930	1,339,470	67,682,460	0.73417	0.71701	983,401	48,529,228	49,512,630
2010	42,519,248	1,131,469	41,387,779	0.81658	0.67932	923,933	28,115,347	29,039,280
2011	74,376,922	1,725,567	72,651,355	0.78324	0.69919	1,351,535	50,797,071	52,148,606
2012	57,234,186	1,759,498	55,474,688	0.84161	0.68174	1,480,802	37,819,566	39,300,368
2013	41,377,382	608,865	40,768,517	0.63352	0.73982	385,728	30,161,360	30,547,088
2014	57,855,152	762,346	57,092,806	0.61323	0.69237	467,495	39,529,597	39,997,092
2015	99,876,579	2,558,919	97,317,660	0.80159	0.69239	2,051,200	67,381,652	69,432,852
2016	53,746,401	963,787	52,782,614	0.72085	0.67270	694,741	35,506,653	36,201,394
2017	97,906,055	1,932,207	95,973,848	0.74481	0.67185	1,439,134	64,479,971	65,919,105
2018	137,590,162	2,108,916	135,481,246	0.67764	0.65413	1,429,078	88,622,426	90,051,503
2019	92,297,876	1,590,907	90,706,969	0.70872	0.65886	1,127,512	59,763,553	60,891,065
2020	95,190,302	2,654,956	92,535,346	0.82303	0.65116	2,185,111	60,255,103	62,440,215
2021	89,452,403	3,902,304	85,550,099	0.88894	0.64532	3,468,915	55,207,440	58,676,355
2022 - 9 Mo.	84,766,163	3,837,500	80,928,663	0.89326	0.64487	3,427,883	52,188,808	55,616,691
Totals:	1,867,918,668	43,891,061	1,824,027,608			34,234,571	1,286,738,292	1,320,972,863

Notes: (a) See Section IV, Exhibit I, Sheet 1, Col. (4).
 (b) See Section IV, Exhibit I, Sheet 1, Col. (3).
 (c) See Section IV, Exhibit I, Sheet 2, Col. (6).
 (d) See Section IV, Exhibit I, Sheet 2, Col. (5).

Summary of Estimated Outstanding Loss & ALAE
 Before and After Consideration of Anticipated Inflation and Investment Income
Alternative Inflation / Investment Assumptions - Short Term Inflation Increase and Investment Decrease
Before Return to Long Term Assumptions (3.5 % Inflation and 5.0 % Investment Income)
 Evaluated as of September 30, 2022

2022 Level Outstanding - Before Inflation and Investment Income
 Evaluated as of September 30, 2022

Birth Year	Selected Outstanding Loss & ALAE All Categories Incl. Parental Award, Burial Expense & DA Claims (a)	Outstanding Loss & ALAE Related to Parental Award, Burial Expense & DA Claims (b)	Indicated Outstanding Loss & ALAE Related to the Review of All Classes and Three Expense Categories (2) - (3)	Estimated Average Inflation / Investment Discount Factor		Indicated Outstanding Loss & ALAE After Inflation / Investment		
				Related to Parental Award, Burial Expense & DA Claims (c)	Related to Impair. Class / Three Expense Group Review (d)	Related to Parental Award, Burial Expense & DA Claims (3) X (5)	Related to Impair. Class / Three Expense Group Review (4) X (6)	Combined (7) + (8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1989	16,250,330	360,570	15,889,760	0.73239	0.82717	264,077	13,143,560	13,407,637
1990	16,347,808	150,000	16,197,808	0.35111	0.82339	52,667	13,337,147	13,389,814
1991	23,210,211	350,231	22,859,980	0.61260	0.81258	214,550	18,575,503	18,790,054
1992	56,167,677	525,000	55,642,677	0.37952	0.79794	199,247	44,399,597	44,598,844
1993	41,256,014	425,000	40,831,014	0.44116	0.80798	187,493	32,990,494	33,177,987
1994	20,268,636	150,000	20,118,636	0.23361	0.78209	35,042	15,734,517	15,769,559
1995	34,586,403	470,000	34,116,403	0.58972	0.77808	277,168	26,545,253	26,822,420
1996	34,280,774	980,000	33,300,774	0.80678	0.81806	790,649	27,241,917	28,032,566
1997	54,540,446	915,711	53,624,735	0.67481	0.77949	617,927	41,799,749	42,417,676
1998	71,238,788	998,939	70,239,849	0.61125	0.78808	610,598	55,354,897	55,965,495
1999	16,560,449	595,000	15,965,449	0.84969	0.82754	505,564	13,211,969	13,717,533
2000	19,491,294	350,008	19,141,286	0.70130	0.78524	245,460	15,030,487	15,275,948
2001	24,246,731	400,000	23,846,731	0.67359	0.79885	269,435	19,049,926	19,319,361
2002	74,394,578	1,928,503	72,466,076	0.79565	0.79494	1,534,406	57,606,312	59,140,717
2003	20,980,994	1,092,276	19,888,718	0.90265	0.77282	985,945	15,370,334	16,356,279
2004	36,258,467	683,247	35,575,221	0.72517	0.75530	495,469	26,870,038	27,365,507
2005	42,772,929	995,190	41,777,739	0.77219	0.78946	768,478	32,981,886	33,750,364
2006	63,932,252	2,648,363	61,283,889	0.87765	0.75796	2,324,339	46,450,524	48,774,863
2007	40,033,724	1,029,257	39,004,467	0.79110	0.79980	814,242	31,195,688	32,009,929
2008	67,889,402	1,967,055	65,922,347	0.82628	0.73822	1,625,345	48,665,365	50,290,709
2009	69,021,930	1,339,470	67,682,460	0.73417	0.75108	983,401	50,835,161	51,818,563
2010	42,519,248	1,131,469	41,387,779	0.81658	0.71144	923,933	29,444,806	30,368,739
2011	74,376,922	1,725,567	72,651,355	0.78324	0.73237	1,351,535	53,207,319	54,558,854
2012	57,234,186	1,759,498	55,474,689	0.84161	0.71403	1,480,802	39,610,459	41,091,261
2013	41,377,382	608,865	40,768,517	0.63352	0.77522	385,728	31,604,447	31,990,175
2014	57,855,152	762,346	57,092,806	0.61323	0.72533	467,495	41,410,848	41,878,343
2015	99,876,579	2,558,919	97,317,660	0.80159	0.72528	2,051,200	70,582,796	72,633,996
2016	53,746,401	963,787	52,782,614	0.72085	0.70454	694,741	37,187,397	37,882,138
2017	97,906,055	1,932,207	95,973,848	0.74481	0.70359	1,439,134	67,526,426	68,965,560
2018	137,590,162	2,108,916	135,481,246	0.67764	0.68493	1,429,078	92,795,785	94,224,862
2019	92,297,876	1,590,907	90,706,969	0.70872	0.68991	1,127,512	62,579,479	63,706,991
2020	95,190,302	2,654,956	92,535,346	0.82303	0.68183	2,185,111	63,093,370	65,278,481
2021	89,452,403	3,902,304	85,550,099	0.88894	0.67573	3,468,915	57,809,171	61,278,086
2022 - 9 Mo.	84,766,163	3,837,500	80,928,663	0.89326	0.67527	3,427,883	54,648,735	58,076,619
Totals:	1,867,918,668	43,891,061	1,824,027,608			34,234,571	1,347,891,360	1,382,125,931

Notes: (a) See Section IV, Exhibit I, Sheet 1, Col. (4).
 (b) See Section IV, Exhibit I, Sheet 1, Col. (3).
 (c) See Section IV, Exhibit I, Sheet 3, Col. (6).
 (d) See Section IV, Exhibit I, Sheet 3, Col. (5).

Estimation of Outstanding Loss & Expense

Summary of Estimates of Ultimate Loss & ALAE - Based on New and Old Methods
Indicated Ultimate Loss & ALAE - 2022 Level

Before Consideration of Inflation and Anticipated Investment Income

Evaluated as of September 30, 2022

Indicated Ultimate Loss & ALAE - Current Level Based on Current Level Outstanding + Actual Paid				
Birth Year	2022 Level Estimate Based on Analysis By Claim Class & Expense Category (a) 9 30 22	2021 Level Estimate Based on Analysis By Claim Class & Expense Category (b) 12/31/21	2021 Level Estimate Based on 09/30/21 Report	Selected Estimate of Ultimate Loss & ALAE - 2022 Level
(1)	(2)	(3)	(4)	(5)
1989	35,004,190	32,531,835	36,662,263	35,004,190
1990	25,387,637	23,594,532	19,525,709	25,387,637
1991	36,020,345	34,149,931	38,733,928	36,020,345
1992	77,269,148	74,257,775	76,245,975	77,269,148
1993	68,362,594	65,205,384	70,207,559	68,362,594
1994	31,430,139	28,942,798	33,892,584	31,430,139
1995	49,389,687	46,964,221	44,356,167	49,389,687
1996	48,287,224	45,039,010	46,750,616	48,287,224
1997	72,550,331	68,890,417	68,848,332	72,550,331
1998	100,622,567	95,872,867	106,935,501	100,622,567
1999	33,419,732	30,081,657	37,886,976	33,419,732
2000	29,074,057	26,807,961	28,766,865	29,074,057
2001	36,424,595	33,557,243	44,727,572	36,424,595
2002	99,323,549	92,549,748	111,882,483	99,323,549
2003	29,054,567	25,867,967	24,000,284	29,054,567
2004	45,164,460	41,916,185	44,811,277	45,164,460
2005	55,509,274	51,323,709	57,226,123	55,509,274
2006	78,614,368	72,434,030	77,375,631	78,614,368
2007	56,025,571	51,151,688	59,899,710	56,025,571
2008	78,826,340	73,358,300	87,975,106	78,826,340
2009	83,143,491	77,085,108	100,885,337	83,143,491
2010	48,550,356	44,767,787	51,340,292	48,550,356
2011	83,360,919	78,184,688	88,632,666	83,360,919
2012	63,302,178	59,273,688	62,667,540	63,302,178
2013	50,652,239	46,525,009	53,000,465	50,652,239
2014	68,589,050	63,324,219	62,311,851	68,589,050
2015	110,792,366	102,518,960	112,648,795	110,792,366
2016	57,313,908	36,724,044	41,628,923	57,313,908
2017	105,045,668	98,151,022	87,764,194	105,045,668
2018	147,875,109	128,833,007	114,454,803	147,875,109
2019	98,889,604	107,623,510	115,339,086	98,889,604
2020	99,225,034	118,365,025	110,857,185	99,225,034
2021	91,159,612	92,461,768	94,962,746	91,159,612
2022 - 9 mo.	84,767,280			84,767,280
Totals:				
1989 to 2022	2,278,427,189	2,068,335,092	2,213,204,546	2,278,427,189
1989 to 2021	2,193,659,909	2,068,335,092	2,213,204,546	2,193,659,909

Notes: (a) See Section IV, Exhibit I, Sheet 1, Col. (6).
(b) See Section III, Exhibit I Col. (2) of December 31, 2021 report..

Estimation of Outstanding Loss & Expense

Summary of Estimates of Outstanding Loss & ALAE - Based on New and Old Methods
2022 Level - Prior to Inflation and Investment Income

Evaluated as of September 30, 2022

Indicated Outstanding Loss & ALAE - 2022 Level

Birth Year	Based on Analysis By Claim Class & Expense Category		Based on Information Provided By NICA as of 9 30 22			2022 Level Indicated Bulk / IBNR (3) - (6)
	9 30 22 (a)	Selected	Paid Loss & ALAE	Incurred Loss & ALAE	Case Outstanding (5) - (4)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1989	16,250,330	16,250,330	18,753,861	34,081,550	15,327,689	922,640
1990	16,347,808	16,347,808	9,039,830	18,393,452	9,353,622	6,994,186
1991	23,210,211	23,210,211	12,810,134	30,641,922	17,831,789	5,378,422
1992	56,167,677	56,167,677	21,101,471	64,195,229	43,093,758	13,073,919
1993	41,256,014	41,256,014	27,106,580	64,551,816	37,445,236	3,810,778
1994	20,268,636	20,268,636	11,161,503	31,406,593	20,245,090	23,546
1995	34,586,403	34,586,403	14,803,285	43,645,829	28,842,544	5,743,858
1996	34,280,774	34,280,774	14,006,450	37,840,002	23,833,552	10,447,222
1997	54,540,446	54,540,446	18,009,885	62,869,935	44,860,050	9,680,396
1998	71,238,788	71,238,788	29,383,779	88,992,673	59,608,893	11,629,894
1999	16,560,449	16,560,449	16,859,283	30,233,991	13,374,708	3,185,741
2000	19,491,294	19,491,294	9,582,763	21,781,462	12,198,699	7,292,595
2001	24,246,731	24,246,731	12,177,864	35,334,774	23,156,910	1,089,821
2002	74,394,578	74,394,578	24,928,971	84,621,447	59,692,476	14,702,102
2003	20,980,994	20,980,994	8,073,573	19,987,883	11,914,310	9,066,684
2004	36,258,467	36,258,467	8,905,993	39,613,541	30,707,548	5,550,919
2005	42,772,929	42,772,929	12,736,345	43,816,294	31,079,948	11,692,981
2006	63,932,252	63,932,252	14,682,116	66,051,225	51,369,109	12,563,143
2007	40,033,724	40,033,724	15,991,847	47,447,776	31,455,929	8,577,795
2008	67,889,402	67,889,402	10,936,938	68,735,800	57,798,862	10,090,540
2009	69,021,930	69,021,930	14,121,561	73,045,021	58,923,460	10,098,470
2010	42,519,248	42,519,248	6,031,108	33,838,800	27,807,692	14,711,556
2011	74,376,922	74,376,922	8,983,997	62,081,603	53,097,605	21,279,317
2012	57,234,186	57,234,186	6,067,992	48,923,757	42,855,766	14,378,421
2013	41,377,382	41,377,382	9,274,856	44,246,977	34,972,121	6,405,261
2014	57,855,152	57,855,152	10,733,897	50,010,172	39,276,275	18,578,877
2015	99,876,579	99,876,579	10,915,787	90,653,240	79,737,453	20,139,126
2016	53,746,401	53,746,401	3,567,506	37,205,094	33,637,588	20,108,814
2017	97,906,055	97,906,055	7,139,613	68,898,189	61,758,576	36,147,479
2018	137,590,162	137,590,162	10,284,947	103,479,596	93,194,649	44,395,513
2019	92,297,876	92,297,876	6,591,728	56,564,781	49,973,053	42,324,823
2020	95,190,302	95,190,302	4,034,732	47,206,768	43,172,036	52,018,266
2021	89,452,403	89,452,403	1,707,209	8,021,969	6,314,760	83,137,643
2022 - 9 mo.	84,766,163	84,766,163	1,117	2,997,500	2,996,383	81,769,780
Totals:	1,867,918,668	1,867,918,668	410,508,520	1,661,416,661	1,250,908,141	617,010,527
1989 to 2021	1,783,152,505	1,783,152,505	410,507,404	1,658,419,161	1,247,911,757	535,240,748

Notes: (a) See Section IV, Exhibit I, Sheet 1, Column (4).

Estimation of Outstanding Loss & Expense

Summary of Estimate Based on Review By Claim Class and Expense Category

Outstanding Loss & ALAE - 2022 Expense Level

Before Consideration of Inflation and Anticipated Investment Income

Evaluated as of September 30, 2022

Birth Year	2022 Level Outstanding Loss & ALAE Related to the Review of All Classes and Three Expense Categories (a)	2022 Level Outstanding Loss & ALAE Related to Parental Award, Burial Expense & DA Claims (b)	2022 Level Outstanding Loss & ALAE Combined (2) + (3)	Cumulative Loss & ALAE Payments as of 9 30 22 (5)	2022 Level Ultimate Loss & ALAE (4) + (5)
(1)	(2)	(3)	(4)	(5)	(6)
1989	15,889,760	360,570	16,250,330	18,753,861	35,004,190
1990	16,197,808	150,000	16,347,808	9,039,830	25,387,637
1991	22,859,980	350,231	23,210,211	12,810,134	36,020,345
1992	55,642,677	525,000	56,167,677	21,101,471	77,269,148
1993	40,831,014	425,000	41,256,014	27,106,580	68,362,594
1994	20,118,636	150,000	20,268,636	11,161,503	31,430,139
1995	34,116,403	470,000	34,586,403	14,803,285	49,389,687
1996	33,300,774	980,000	34,280,774	14,006,450	48,287,224
1997	53,624,735	915,711	54,540,446	18,009,885	72,550,331
1998	70,239,849	998,939	71,238,788	29,383,779	100,622,567
1999	15,965,449	595,000	16,560,449	16,859,283	33,419,732
2000	19,141,286	350,008	19,491,294	9,582,763	29,074,057
2001	23,846,731	400,000	24,246,731	12,177,864	36,424,595
2002	72,466,076	1,928,503	74,394,578	24,928,971	99,323,549
2003	19,888,718	1,092,276	20,980,994	8,073,573	29,054,567
2004	35,575,221	683,247	36,258,467	8,905,993	45,164,460
2005	41,777,739	995,190	42,772,929	12,736,345	55,509,274
2006	61,283,889	2,648,363	63,932,252	14,682,116	78,614,368
2007	39,004,467	1,029,257	40,033,724	15,991,847	56,025,571
2008	65,922,347	1,967,055	67,889,402	10,936,938	78,826,340
2009	67,682,460	1,339,470	69,021,930	14,121,561	83,143,491
2010	41,387,779	1,131,469	42,519,248	6,031,108	48,550,356
2011	72,651,355	1,725,567	74,376,922	8,983,997	83,360,919
2012	55,474,689	1,759,498	57,234,186	6,067,992	63,302,178
2013	40,768,517	608,865	41,377,382	9,274,856	50,652,239
2014	57,092,806	762,346	57,855,152	10,733,897	68,589,050
2015	97,317,660	2,558,919	99,876,579	10,915,787	110,792,366
2016	52,782,614	963,787	53,746,401	3,567,506	57,313,908
2017	95,973,848	1,932,207	97,906,055	7,139,613	105,045,668
2018	135,481,246	2,108,916	137,590,162	10,284,947	147,875,109
2019	90,706,969	1,590,907	92,297,876	6,591,728	98,889,604
2020	92,535,346	2,654,956	95,190,302	4,034,732	99,225,034
2021	85,550,099	3,902,304	89,452,403	1,707,209	91,159,612
2022 - 9 mo.	80,928,663	3,837,500	84,766,163	1,117	84,767,280
Totals:	1,824,027,608	43,891,061	1,867,918,668	410,508,520	2,278,427,189

Notes:(a) See Section IV, Exhibit II, Sheet 1, Column (13).

(b) See Section IV, Exhibit VI, Sheet 1, Column (8).

Summary of Estimate Based on Review By Claim Class and Expense Category

Outstanding Loss & ALAE - After Estimated Inflation and Anticipated Investment Income
Based on Current Selected Long-Term Inflation and Investment Income

Evaluated as of September 30, 2022

Birth Year	After Inflation & Discount Outstanding Loss & ALAE Related to the Review of All Classes and Three Expense Categories (a)	Discounted Outstanding Loss & ALAE Related to Parental Award, Burial Expense & DA Claims (b)	After Inflation & Discount Outstanding Loss & ALAE Combined (2) + (3)	Implied Average Inflation / Investment Discount Factor	
				Related to Claim Class / Three Expense Categories Col. (2) / Col.(2) Sect. IV Exh. I, Sh. 1	Related to Parental Award, Burial Expense & DA Claims (b) Col. (3) / Col.(3) Sect. IV Exh. I, Sh. 1
(1)	(2)	(3)	(4)	(5)	(6)
1989	12,540,757	264,077	12,804,835	0.78924	0.73239
1990	12,725,731	52,667	12,778,398	0.78565	0.35111
1991	17,725,608	214,550	17,940,158	0.77540	0.61260
1992	42,373,743	199,247	42,572,990	0.76153	0.37952
1993	31,481,298	187,493	31,668,791	0.77101	0.44116
1994	15,018,354	35,042	15,053,396	0.74649	0.23361
1995	25,337,448	277,168	25,614,615	0.74268	0.58972
1996	25,992,055	790,649	26,782,704	0.78052	0.80678
1997	39,895,576	617,927	40,513,503	0.74398	0.67481
1998	52,826,441	610,598	53,437,039	0.75209	0.61125
1999	12,603,767	505,564	13,109,330	0.78944	0.84969
2000	14,344,163	245,460	14,589,624	0.74938	0.70130
2001	18,178,131	269,435	18,447,566	0.76229	0.67359
2002	54,973,224	1,534,406	56,507,630	0.75861	0.79565
2003	14,669,659	985,945	15,655,604	0.73759	0.90265
2004	25,648,185	495,469	26,143,654	0.72096	0.72517
2005	31,474,659	768,478	32,243,137	0.75338	0.77219
2006	44,338,953	2,324,339	46,663,292	0.72350	0.87765
2007	29,771,082	814,242	30,585,323	0.76327	0.79110
2008	46,461,682	1,625,345	48,087,026	0.70479	0.82628
2009	48,529,228	983,401	49,512,630	0.71701	0.73417
2010	28,115,347	923,933	29,039,280	0.67932	0.81658
2011	50,797,071	1,351,535	52,148,606	0.69919	0.78324
2012	37,819,566	1,480,802	39,300,368	0.68174	0.84161
2013	30,161,360	385,728	30,547,088	0.73982	0.63352
2014	39,529,597	467,495	39,997,092	0.69237	0.61323
2015	67,381,652	2,051,200	69,432,852	0.69239	0.80159
2016	35,506,653	694,741	36,201,394	0.67270	0.72085
2017	64,479,971	1,439,134	65,919,105	0.67185	0.74481
2018	88,622,426	1,429,078	90,051,503	0.65413	0.67764
2019	59,763,553	1,127,512	60,891,065	0.65886	0.70872
2020	60,255,103	2,185,111	62,440,215	0.65116	0.82303
2021	55,207,440	3,468,915	58,676,355	0.64532	0.88894
2022 - 9 mo.	52,188,808	3,427,883	55,616,691	0.64487	0.89326
Totals:	1,286,738,292	34,234,571	1,320,972,863	0.70544	0.77999

Notes:(a) See Section IV, Exhibit II, Sheet 2, Column (13).

(b) See Section IV, Exhibit VI, Sheet 1, Column (11).

Summary of Estimate Based on Review By Claim Class and Expense Category

Outstanding Loss & ALAE - After Estimated Inflation and Anticipated Investment Income

Alternative Inflation / Investment Assumptions - Short Term Inflation Increase and Investment Decrease Before Return to Long Term Assumptions(3.5 % Inflation and 5.0 % Investment Income)

Evaluated as of September 30, 2022

Implied Average
Inflation / Investment
Discount Factor

Birth Year	After Inflation & Discount Outstanding Loss & ALAE Related to the Review of All Classes and Three Expense Categories (a)	Discounted Outstanding Loss & ALAE Related to Parental Award, Burial Expense & DA Claims (b)	After Inflation & Discount Outstanding Loss & ALAE Combined (2) + (3)	Related to Claim Class / Three Expense Categories Col. (2) / Col.(2) Sect. IV Exh. I, Sh. 1	Related to Parental Award, Burial Expense & DA Claims (b) Col. (3) / Col.(3) Sect. IV Exh. I, Sh. 1
(1)	(2)	(3)	(4)	(5)	(6)
1989	13,143,560	264,077	13,407,637	0.82717	0.73239
1990	13,337,147	52,667	13,389,814	0.82339	0.35111
1991	18,575,503	214,550	18,790,054	0.81258	0.61260
1992	44,399,597	199,247	44,598,844	0.79794	0.37952
1993	32,990,494	187,493	33,177,987	0.80798	0.44116
1994	15,734,517	35,042	15,769,559	0.78209	0.23361
1995	26,545,253	277,168	26,822,420	0.77808	0.58972
1996	27,241,917	790,649	28,032,566	0.81806	0.80678
1997	41,799,749	617,927	42,417,676	0.77949	0.67481
1998	55,354,897	610,598	55,965,495	0.78808	0.61125
1999	13,211,969	505,564	13,717,533	0.82754	0.84969
2000	15,030,487	245,460	15,275,948	0.78524	0.70130
2001	19,049,926	269,435	19,319,361	0.79885	0.67359
2002	57,606,312	1,534,406	59,140,717	0.79494	0.79565
2003	15,370,334	985,945	16,356,279	0.77282	0.90265
2004	26,870,038	495,469	27,365,507	0.75530	0.72517
2005	32,981,886	768,478	33,750,364	0.78946	0.77219
2006	46,450,524	2,324,339	48,774,863	0.75796	0.87765
2007	31,195,688	814,242	32,009,929	0.79980	0.79110
2008	48,665,365	1,625,345	50,290,709	0.73822	0.82628
2009	50,835,161	983,401	51,818,563	0.75108	0.73417
2010	29,444,806	923,933	30,368,739	0.71144	0.81658
2011	53,207,319	1,351,535	54,558,854	0.73237	0.78324
2012	39,610,459	1,480,802	41,091,261	0.71403	0.84161
2013	31,604,447	385,728	31,990,175	0.77522	0.63352
2014	41,410,848	467,495	41,878,343	0.72533	0.61323
2015	70,582,796	2,051,200	72,633,996	0.72528	0.80159
2016	37,187,397	694,741	37,882,138	0.70454	0.72085
2017	67,526,426	1,439,134	68,965,560	0.70359	0.74481
2018	92,795,785	1,429,078	94,224,862	0.68493	0.67764
2019	62,579,479	1,127,512	63,706,991	0.68991	0.70872
2020	63,093,370	2,185,111	65,278,481	0.68183	0.82303
2021	57,809,171	3,468,915	61,278,086	0.67573	0.88894
2022 - 9 mo.	54,648,735	3,427,883	58,076,619	0.67527	0.89326
Totals:	1,347,891,360	34,234,571	1,382,125,931	0.73896	0.77999

Notes:(a) See Section IV, Exhibit II, Sheet 3, Column (13).

(b) See Section IV, Exhibit VI, Sheet 1, Column (11).

Estimation of Prospective Cost - Current Level (2022) - Before Inflation and Discount (Investment) (a)

By Claim Class and Expense Category
Segregated by Birth Year

Birth Year	Claim Class A				Claim Classes B, C & D				All Claim Classes			
	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Combined Expense - Except Parental Award & Burial (2) + (3)+ (4)	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Combined Expense - Except Parental Award & Burial (6) + (7)+ (8)	Nursing Care (2) + (6)	Hospitals, Physicians & Drugs (3) + (7)	All Other Expense - Excl. Parental Award & Burial Expense (4) + (8)	Combined Expense - Except Parental Award & Burial (5) + (9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1989	2,862,287	283,274	505,249	3,650,809	8,704,359	1,728,478	1,806,113	12,238,950	11,566,646	2,011,752	2,311,362	15,889,760
1990	2,923,543	284,547	516,062	3,724,152	8,886,859	1,742,816	1,843,981	12,473,656	11,810,402	2,027,364	2,360,043	16,197,808
1991	2,984,710	285,813	526,859	3,797,382	13,604,341	2,635,421	2,822,836	19,062,598	16,589,051	2,921,234	3,349,695	22,859,980
1992	3,045,803	286,985	537,643	3,870,431	37,010,033	7,082,808	7,679,405	51,772,246	40,055,836	7,369,793	8,217,048	55,642,677
1993	6,213,668	576,167	1,096,833	7,886,668	23,589,337	4,460,334	4,894,675	32,944,346	29,803,006	5,036,501	5,991,507	40,831,014
1994	0	0	0	0	14,428,808	2,695,920	2,993,909	20,118,636	14,428,808	2,695,920	2,993,909	20,118,636
1995	0	0	0	0	24,506,929	4,524,402	5,085,071	34,116,403	24,506,929	4,524,402	5,085,071	34,116,403
1996	9,867,726	871,483	1,741,844	12,481,053	14,979,331	2,732,250	3,108,140	20,819,720	24,847,057	3,603,733	4,849,984	33,300,774
1997	3,349,600	290,945	591,269	4,231,815	35,592,855	6,414,718	7,385,347	49,392,920	38,942,455	6,705,663	7,976,616	53,624,735
1998	10,215,339	874,113	1,803,205	12,892,657	41,384,961	7,375,050	8,587,182	57,347,192	51,600,299	8,249,163	10,390,386	70,239,849
1999	6,894,765	583,848	1,217,059	8,695,672	5,252,509	927,397	1,089,871	7,269,777	12,147,274	1,511,246	2,306,930	15,965,449
2000	3,490,101	292,632	616,070	4,398,804	10,663,828	1,865,960	2,212,693	14,742,482	14,153,930	2,158,593	2,828,764	19,141,286
2001	7,066,568	586,978	1,247,386	8,900,933	10,822,830	1,877,283	2,245,685	14,945,798	17,889,398	2,464,261	3,493,071	23,846,731
2002	21,461,662	1,766,929	3,788,398	27,016,989	32,946,500	5,666,345	6,836,241	45,449,087	54,408,162	7,433,274	10,624,640	72,466,076
2003	3,610,717	295,619	637,968	4,544,304	11,134,292	1,899,809	2,310,312	15,344,414	14,745,009	2,195,428	2,948,281	19,888,718
2004	3,615,474	296,873	641,147	4,553,494	22,528,870	3,818,224	4,674,633	31,021,726	26,144,344	4,115,097	5,315,779	35,575,221
2005	14,488,519	1,193,008	2,578,309	18,259,836	17,093,175	2,877,975	3,546,752	23,517,903	31,581,695	4,070,983	6,125,061	41,777,739
2006	10,893,572	899,400	1,945,070	13,738,041	34,584,178	5,785,617	7,176,052	47,545,847	45,477,750	6,685,017	9,121,121	61,283,889
2007	18,213,155	1,507,583	3,262,431	22,983,168	11,662,554	1,938,822	2,419,924	16,021,299	29,875,708	3,446,404	5,682,355	39,004,467
2008	7,312,736	606,794	1,313,913	9,233,443	41,296,733	6,823,296	8,568,875	56,688,904	48,609,468	7,430,091	9,882,788	65,922,347
2009	14,688,902	1,221,717	2,646,968	18,557,587	35,812,263	5,881,736	7,430,873	49,124,873	50,501,165	7,103,453	10,077,841	67,682,460
2010	0	0	0	0	30,193,011	4,929,862	6,264,906	41,387,779	30,193,011	4,929,862	6,264,906	41,387,779
2011	11,127,853	929,609	2,016,273	14,073,735	42,762,350	6,942,286	8,872,983	58,577,619	53,890,203	7,871,895	10,889,256	72,651,355
2012	3,729,942	312,236	677,565	4,719,742	37,076,235	5,985,570	7,693,142	50,754,946	40,806,177	6,297,806	8,370,706	55,474,689
2013	18,695,394	1,585,211	3,410,890	23,691,495	12,478,641	2,006,936	2,591,444	17,077,022	31,174,035	3,592,148	6,002,335	40,768,517
2014	11,138,411	986,146	2,052,025	14,176,582	31,339,404	5,046,840	6,529,979	42,916,224	42,477,816	6,032,987	8,582,004	57,092,806
2015	22,134,036	2,041,096	4,116,554	28,291,685	50,373,273	8,122,370	10,530,332	69,025,975	72,507,309	10,163,466	14,646,885	97,317,660
2016	7,335,116	702,914	1,376,837	9,414,867	31,628,392	5,106,282	6,633,073	43,367,747	38,963,508	5,809,196	8,009,910	52,782,614
2017	15,778,970	1,568,026	2,988,448	20,335,443	55,128,910	8,911,352	11,598,142	75,638,405	70,907,880	10,479,378	14,586,590	95,973,848
2018	12,073,436	1,241,767	2,306,643	15,621,846	87,305,184	14,129,684	18,424,531	119,859,400	99,378,620	15,371,451	20,731,175	135,481,246
2019	13,196,881	1,402,275	2,542,703	17,141,859	53,551,882	8,677,350	11,335,878	73,565,110	66,748,764	10,079,625	13,878,580	90,706,969
2020	11,885,248	1,302,556	2,308,879	15,496,683	56,046,751	9,092,322	11,899,590	77,038,663	67,931,999	10,394,878	14,208,469	92,535,346
2021	10,496,384	1,184,621	2,042,866	13,723,870	52,242,051	8,484,888	11,099,290	71,826,229	62,738,435	9,669,509	13,142,156	85,550,099
2022 -9 mo.	11,155,825	1,257,673	2,168,594	14,582,092	48,215,187	7,890,989	10,240,394	66,346,571	59,371,012	9,148,662	12,408,989	80,928,663
Totals:	301,946,342	27,518,840	55,221,959	384,687,141	1,044,826,820	176,081,393	218,432,253	1,439,340,467	1,346,773,162	203,600,233	273,654,212	1,824,027,608

Notes: (a) Estimated remaining 2022 level loss and ALAE payments by birth year, claim category and expense category. Above estimates are based on calendar year estimates shown in Section IV, Exhibit II, Sheets 4a and 4b allocated to each Birth Year. The above estimates do not include expenses related to Parental Care, Burial Expense and DA claims (i.e. DA = Decedent when Accepted). The expense estimates related to these additional components are shown in Section IV, Exhibit VI, Sheet 1.

Estimation of Prospective Cost - After Estimated Inflation and Investment Income (a)
Current Long Term Estimates (3.5 % Inflation and 5.0 % Investment Income)

By Claim Class and Expense Category
Segregated By Birth Year

Birth Year	Claim Class A				Claim Classes B, C & D				All Claim Classes			
	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Combined Expense - Except Parental Award & Burial (2) + (3)+ (4)	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Combined Expense - Except Parental Award & Burial (6) + (7)+ (8)	Nursing Care (2) + (6)	Hospitals, Physicians & Drugs (3) + (7)	All Other Expense - Excl. Parental Award & Burial Expense (4) + (8)	Combined Expense - Except Parental Award & Burial (5) + (9)
1989	2,490,237	237,409	439,575	3,167,221	6,726,149	1,251,744	1,395,644	9,373,536	9,216,386	1,489,153	1,835,219	12,540,757
1990	2,536,076	237,662	447,666	3,221,405	6,833,468	1,252,946	1,417,912	9,504,326	9,369,544	1,490,608	1,865,578	12,725,731
1991	2,581,561	237,908	455,695	3,275,164	10,409,593	1,880,910	2,159,941	14,450,443	12,991,154	2,118,818	2,615,636	17,725,608
1992	2,626,709	238,059	463,665	3,328,432	28,179,898	5,018,219	5,847,194	39,045,311	30,806,607	5,256,277	6,310,859	42,373,743
1993	5,343,065	476,274	943,154	6,762,493	17,873,110	3,137,110	3,708,585	24,718,805	23,216,174	3,613,385	4,651,739	31,481,298
1994	0	0	0	0	10,878,779	1,882,281	2,257,295	15,018,354	10,878,779	1,882,281	2,257,295	15,018,354
1995	0	0	0	0	18,386,753	3,135,531	3,815,163	25,337,448	18,386,753	3,135,531	3,815,163	25,337,448
1996	8,411,478	712,519	1,484,789	10,608,786	11,183,463	1,879,291	2,320,515	15,383,269	19,594,941	2,591,810	3,805,304	25,992,055
1997	2,847,027	236,959	502,555	3,586,542	26,443,322	4,378,849	5,486,863	36,309,034	29,290,350	4,615,808	5,989,418	39,895,576
1998	8,655,600	709,198	1,527,881	10,892,679	30,590,045	4,996,429	6,347,288	41,933,762	39,245,645	5,705,627	7,875,169	52,826,441
1999	5,819,653	471,960	1,027,281	7,318,894	3,860,273	623,612	800,988	5,284,872	9,679,926	1,095,572	1,828,269	12,603,767
2000	2,934,940	235,727	518,074	3,688,740	7,792,905	1,245,527	1,616,991	10,655,423	10,727,845	1,481,254	2,135,064	14,344,163
2001	5,921,057	471,260	1,045,181	7,437,499	7,864,713	1,244,029	1,631,890	10,740,632	13,785,770	1,715,289	2,677,071	18,178,131
2002	17,919,487	1,414,078	3,163,136	22,496,701	23,808,223	3,728,208	4,940,092	32,476,523	41,727,710	5,142,286	8,103,228	54,973,224
2003	3,002,785	235,863	530,653	3,769,301	7,999,498	1,241,002	1,659,858	10,900,358	11,002,283	1,476,865	2,190,511	14,669,659
2004	2,989,712	236,170	530,693	3,756,576	16,079,988	2,475,102	3,336,521	21,891,610	19,069,700	2,711,272	3,867,213	25,648,185
2005	11,916,077	946,395	2,124,151	14,986,622	12,121,362	1,851,551	2,515,125	16,488,037	24,037,438	2,797,946	4,639,275	31,474,659
2006	8,913,121	711,540	1,595,267	11,219,928	24,368,187	3,694,557	5,056,282	33,119,026	33,281,308	4,406,096	6,651,550	44,338,953
2007	14,828,358	1,189,553	2,664,187	18,682,099	8,165,631	1,229,023	1,694,329	11,088,983	22,993,989	2,418,576	4,358,516	29,771,082
2008	5,925,532	477,567	1,068,528	7,471,627	28,733,842	4,294,078	5,962,135	38,990,055	34,659,373	4,771,646	7,030,663	46,461,682
2009	11,848,426	959,143	2,144,017	14,951,586	24,764,050	3,675,171	5,138,422	33,577,642	36,612,476	4,634,314	7,282,439	48,529,228
2010	0	0	0	0	20,750,885	3,058,753	4,305,709	28,115,347	20,750,885	3,058,753	4,305,709	28,115,347
2011	8,899,334	726,313	1,620,766	11,246,413	29,211,846	4,277,494	6,061,318	39,550,658	38,111,180	5,003,807	7,682,084	50,797,071
2012	2,970,896	243,383	542,678	3,756,957	25,175,958	3,662,759	5,223,891	34,062,609	28,146,854	3,906,142	5,766,569	37,819,566
2013	14,819,972	1,235,359	2,721,234	18,776,565	8,416,447	1,219,804	1,748,545	10,748,795	23,236,419	2,455,163	4,469,779	30,161,360
2014	8,764,452	772,985	1,629,021	11,166,458	20,943,296	3,046,955	4,372,888	28,363,139	29,707,748	3,819,940	6,001,909	39,529,597
2015	17,293,130	1,607,405	3,252,423	22,152,958	33,357,845	4,871,415	6,999,434	45,228,694	50,650,975	6,478,820	10,251,857	67,381,652
2016	5,691,814	555,623	1,082,836	7,330,273	20,757,181	3,042,552	4,376,647	28,176,380	26,448,995	3,598,175	5,459,483	35,506,653
2017	12,163,777	1,243,058	2,339,947	15,746,782	35,860,248	5,275,600	7,597,341	48,733,189	48,024,025	6,518,658	9,937,288	64,479,971
2018	9,248,650	986,584	1,798,413	12,033,646	56,294,371	8,311,684	11,982,724	76,588,779	65,543,021	9,298,268	13,781,137	88,622,426
2019	10,048,103	1,115,884	1,974,318	13,138,306	34,232,484	5,072,297	7,320,466	46,625,247	44,280,587	6,188,182	9,294,784	59,763,553
2020	8,996,841	1,037,640	1,785,647	11,820,128	35,522,201	5,281,841	7,630,934	48,434,975	44,519,042	6,319,480	9,416,581	60,255,103
2021	7,901,155	944,268	1,571,047	10,416,471	32,832,494	4,898,740	7,059,736	44,790,970	40,733,649	5,843,008	8,630,783	55,207,440
2022 -9 mo.	8,370,920	998,292	1,662,596	11,031,807	30,152,861	4,522,662	6,481,478	41,157,001	38,523,781	5,520,954	8,144,074	52,188,808
Totals:	242,679,946	21,902,038	44,657,075	309,239,060	716,571,365	110,657,724	150,270,144	977,499,233	959,251,311	132,559,762	194,927,219	1,286,738,292

Notes: (a) Estimated remaining loss and ALAE payments after consideration of anticipated inflation and investment income by birth year, claim category and expense category. Above estimates are based on calendar year expense estimates as shown in Section IV, Exhibit III, Sheets 1a and 1b allocated to each Birth Year. The above estimates do not include expense estimates related to Parental Care, Burial Expense and DA claims (i.e. DA = Deceased when Accepted). The expense estimates related to these additional components are shown in Section IV, Exhibit VI, Sheet 1. The prospective inflation and investment income assumptions are shown in Section IV, Exhibit III, Sheets 3a and 3b.

Estimation of Prospective Cost - After Alternative Estimates of Anticipated Inflation and Investment Income (a)
Alternative Inflation / Investment Assumptions - Short Term Inflation Increase and Investment Decrease Before a Return to Long Term Assumptions (3.5 % Inflation and 5.0 % Investment Income)
 By Claim Class and Expense Category
 Segregated By Birth Year

Birth Year	Claim Class A				Claim Classes B, C & D				All Claim Classes			
	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Combined Expense - Except Parental Award & Burial (2) + (3) + (4)	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Combined Expense - Except Parental Award & Burial (6) + (7) + (8)	Nursing Care (2) + (6)	Hospitals, Physicians & Drugs (3) + (7)	All Other Expense - Excl. Parental Award & Burial Expense (4) + (8)	Combined Expense - Except Parental Award & Burial (5) + (9)
1989	2,612,158	248,912	461,096	3,322,167	7,048,019	1,310,944	1,462,430	9,821,393	9,660,177	1,559,856	1,923,527	13,143,560
1990	2,660,155	249,177	469,569	3,378,901	7,160,318	1,312,196	1,485,732	9,958,246	9,820,473	1,561,373	1,955,301	13,337,147
1991	2,707,781	249,434	477,976	3,435,190	10,907,262	1,969,846	2,263,205	15,140,313	13,615,043	2,219,280	2,741,180	18,575,503
1992	2,755,052	249,591	486,320	3,490,962	29,526,551	5,255,465	6,126,618	40,908,634	32,281,602	5,505,056	6,612,938	44,399,597
1993	5,603,966	499,338	989,208	7,092,512	18,726,861	3,285,386	3,885,734	25,897,982	24,330,827	3,784,724	4,874,942	32,990,494
1994	0	0	0	0	11,398,217	1,971,225	2,365,076	15,734,517	11,398,217	1,971,225	2,365,076	15,734,517
1995	0	0	0	0	19,264,334	3,283,662	3,997,257	26,545,253	19,264,334	3,283,662	3,997,257	26,545,253
1996	8,821,474	746,978	1,557,161	11,125,613	11,717,034	1,968,041	2,431,229	16,116,304	20,538,508	2,715,019	3,988,389	27,241,917
1997	2,985,720	248,409	527,037	3,761,167	27,704,488	4,585,545	5,748,549	38,038,582	30,690,208	4,833,954	6,275,586	41,799,749
1998	9,077,536	743,432	1,602,361	11,423,329	32,049,331	5,232,154	6,650,083	43,931,568	41,126,867	5,975,586	8,252,444	55,354,897
1999	6,103,305	494,718	1,077,351	7,675,373	4,044,388	653,016	839,191	5,536,595	10,147,692	1,147,734	1,916,542	13,211,969
2000	3,077,714	247,084	543,276	3,868,074	8,164,158	1,304,232	1,694,024	11,162,413	11,241,871	1,551,316	2,237,300	15,030,487
2001	6,208,719	493,954	1,095,959	7,798,632	8,239,077	1,302,647	1,709,569	11,251,294	14,447,796	1,796,601	2,805,528	19,049,926
2002	18,788,517	1,482,160	3,316,536	23,587,213	24,940,255	3,903,860	5,174,984	34,019,099	43,728,771	5,386,020	8,491,520	57,606,312
2003	3,148,615	247,219	556,401	3,952,235	8,379,832	1,299,493	1,738,775	11,418,099	11,528,446	1,546,711	2,295,176	15,370,334
2004	3,134,927	247,541	556,439	3,938,907	16,844,260	2,591,768	3,495,103	22,931,131	19,979,186	2,839,309	4,051,543	26,870,038
2005	12,492,872	991,963	2,226,960	15,711,796	12,696,789	1,938,778	2,634,523	17,270,090	25,189,662	2,930,741	4,861,483	32,981,886
2006	9,343,640	745,801	1,672,364	11,761,806	25,524,052	3,868,547	5,296,119	34,688,718	34,867,693	4,614,349	6,968,483	46,450,524
2007	15,542,229	1,246,833	2,792,653	19,581,715	8,552,499	1,286,870	1,774,603	11,613,972	24,094,729	2,533,703	4,567,256	31,195,688
2008	6,210,213	500,563	1,119,979	7,830,755	30,094,107	4,496,120	6,244,383	40,834,610	36,304,319	4,996,683	7,364,362	48,665,365
2009	12,417,137	1,005,327	2,247,184	15,669,648	25,935,876	3,848,066	5,381,570	35,165,513	38,353,013	4,853,393	7,628,755	50,835,161
2010	0	0	0	0	21,732,716	3,202,655	4,509,435	29,444,806	21,732,716	3,202,655	4,509,435	29,444,806
2011	9,326,583	761,283	1,698,753	11,786,619	30,593,876	4,478,740	6,348,083	41,420,700	39,920,460	5,240,023	8,046,836	53,207,319
2012	3,113,536	255,100	568,790	3,937,426	26,366,932	3,835,089	5,471,012	35,673,033	29,480,467	4,090,189	6,039,802	39,610,459
2013	15,533,867	1,294,394	2,852,347	19,680,609	8,815,311	1,277,196	1,831,332	11,923,839	24,349,178	2,571,590	4,683,679	31,604,447
2014	9,187,062	809,856	1,707,537	11,704,454	21,936,127	3,190,319	4,579,947	29,706,394	31,123,189	4,000,175	6,287,484	41,410,848
2015	18,123,485	1,684,750	3,408,886	23,217,122	34,934,673	5,100,627	7,330,374	47,365,675	53,058,158	6,785,378	10,739,260	70,582,796
2016	5,964,407	582,485	1,134,866	7,681,757	21,736,546	3,185,714	4,583,379	29,505,639	27,700,952	3,768,199	5,718,245	37,187,397
2017	12,743,862	1,303,586	2,452,174	16,499,622	37,547,290	5,523,838	7,955,676	51,026,805	50,291,152	6,827,425	10,407,850	67,526,426
2018	9,688,547	1,034,804	1,884,567	12,607,918	58,937,720	8,702,788	12,547,357	80,187,866	68,626,268	9,737,593	14,431,924	92,795,785
2019	10,525,485	1,170,477	2,068,850	13,764,811	35,838,444	5,310,976	7,665,248	48,814,668	46,363,929	6,481,453	9,734,098	62,579,479
2020	9,424,408	1,088,334	1,871,150	12,383,891	37,188,760	5,530,383	7,990,336	50,709,478	46,613,168	6,618,716	9,861,486	63,093,370
2021	8,276,758	990,341	1,646,735	10,913,834	34,372,947	5,129,257	7,393,133	46,895,337	42,649,706	6,119,599	9,039,867	57,809,171
2022 -9 mo.	8,768,738	1,046,978	1,742,661	11,558,378	31,567,413	4,735,432	6,787,513	43,090,358	40,336,151	5,782,410	8,530,174	54,648,735
Totals:	254,368,466	22,960,824	46,813,147	324,142,437	750,486,463	115,870,878	157,391,582	1,023,748,923	1,004,854,929	138,831,702	204,204,729	1,347,891,360

Notes: (a) Estimated remaining loss and ALAE payments after consideration of alternative estimates of anticipated inflation and investment income by birth year, claim category and expense category. Above estimates are based on calendar year expense estimates as shown in Section IV, Exhibit III, Sheets 1a and 1b allocated to each Birth Year. The above estimates do not include expense estimates related to Parental Care, Burial Expense and DA claims (i.e. DA = Deceased when Accepted). The expense estimates related to these additional components are shown in Section IV, Exhibit VI, Sheet 1. The prospective inflation and investment assumptions are shown in Section IV, Exhibit III, Sheets 3a and 3b.

Estimation of Prospective Cost - Current Level (2022)

By Claim Class and Expense Category

Calendar Year	Claim Class A				Claim Classes B, C & D				All Claim Classes					
	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Combined Expense - Excl. Parental Award & Burial (2) + (3)+ (4)	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Combined Expense - Excl. Parental Award & Burial (6) + (7)+ (8)	Nursing Care (2) + (6)	Hospitals, Physicians & Drugs (3) + (7)	All Other Expense - Excl. Parental Award & Burial Expense (4) + (8)	Combined Expense - Excl. Parental Award & Burial (5) + (9)		
													(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)		
2022 - 9 Mo	2,842,358	355,371	557,813	3,755,542	4,270,815	544,783	919,798	5,735,395	7,113,173	900,154	1,477,610	9,490,938		
2023	11,293,739	1,330,128	2,284,341	14,908,208	17,173,055	2,178,888	3,880,025	23,231,967	28,466,794	3,509,016	6,164,366	38,140,175		
2024	11,092,238	1,261,369	2,223,606	14,577,214	17,330,503	2,182,288	3,889,367	23,402,158	28,422,742	3,443,658	6,112,973	37,979,372		
2025	11,118,121	1,169,428	2,184,386	14,471,934	17,604,429	2,183,962	3,910,216	23,698,607	28,722,550	3,353,389	6,094,602	38,170,541		
2026	10,924,856	1,114,615	2,128,267	14,167,738	17,792,238	2,189,451	3,926,401	23,908,089	28,717,094	3,304,066	6,054,669	38,075,828		
2027	10,954,593	1,043,338	2,098,892	14,096,823	18,113,353	2,187,645	3,954,844	24,255,842	29,067,946	3,230,983	6,053,735	38,352,665		
2028	10,749,327	983,177	2,039,900	13,772,405	18,657,431	2,191,472	4,008,793	24,857,695	29,406,758	3,174,649	6,048,693	38,630,100		
2029	10,616,711	922,967	1,989,898	13,529,576	18,984,244	2,194,821	4,040,702	25,219,767	29,600,955	3,117,788	6,030,599	38,749,343		
2030	10,377,216	868,544	1,931,149	13,176,909	19,292,050	2,197,316	4,067,585	25,556,951	29,669,266	3,065,860	5,998,734	38,733,860		
2031	10,316,604	796,524	1,889,527	13,002,654	19,924,222	2,202,211	4,134,181	26,260,614	30,240,826	2,998,735	6,023,707	39,263,269		
2032	9,985,270	769,453	1,826,939	12,581,662	19,870,572	2,206,500	4,123,049	26,200,120	29,855,841	2,975,953	5,949,987	38,781,782		
2033	9,733,856	744,102	1,772,022	12,249,980	19,812,457	2,207,159	4,110,990	26,130,607	29,546,313	2,951,261	5,883,012	38,380,586		
2034	9,450,259	719,560	1,715,241	11,885,060	19,781,059	2,213,803	4,104,475	26,099,338	29,231,318	2,933,363	5,819,716	37,984,398		
2035	9,202,318	695,637	1,660,475	11,558,430	19,775,794	2,225,661	4,103,383	26,104,838	28,978,112	2,921,298	5,763,857	37,663,267		
2036	8,884,632	672,118	1,600,082	11,156,832	19,746,141	2,237,360	4,097,230	26,080,731	28,630,773	2,909,478	5,697,312	37,237,563		
2037	8,608,476	649,230	1,543,864	10,801,570	19,751,394	2,256,779	4,098,320	26,106,492	28,359,870	2,906,009	5,642,184	36,908,062		
2038	8,351,798	626,691	1,492,952	10,471,442	19,776,535	2,284,159	4,103,536	26,164,231	28,128,333	2,910,851	5,596,489	36,635,673		
2039	8,084,793	605,216	1,440,110	10,130,119	19,756,097	2,307,638	4,099,296	26,163,030	27,840,890	2,912,853	5,539,406	36,293,149		
2040	7,841,618	584,558	1,392,296	9,818,472	19,767,248	2,334,216	4,101,610	26,203,073	27,608,866	2,918,773	5,493,906	36,021,546		
2041	7,622,943	565,227	1,345,597	9,533,767	19,831,220	2,370,430	4,114,883	26,316,533	27,454,163	2,935,657	5,460,480	35,850,300		
2042	7,297,265	546,448	1,288,108	9,131,821	19,721,332	2,391,941	4,092,082	26,205,355	27,018,597	2,938,389	5,380,191	35,337,176		
2043	6,971,024	528,687	1,230,521	8,730,232	19,659,231	2,417,912	4,079,196	26,156,340	26,630,255	2,946,600	5,309,717	34,886,572		
2044	6,656,312	511,388	1,174,968	8,342,668	19,535,983	2,446,729	4,053,623	26,036,335	26,192,295	2,958,118	5,228,591	34,379,003		
2045	6,347,261	494,890	1,120,414	7,962,565	19,411,320	2,479,167	4,027,756	25,918,244	25,758,581	2,974,057	5,148,170	33,880,808		
2046	6,068,684	479,307	1,071,240	7,619,231	19,350,906	2,515,730	4,015,220	25,881,856	25,419,589	2,995,037	5,086,460	33,501,087		
2047	5,750,478	464,246	1,015,071	7,229,794	19,125,382	2,555,013	3,968,425	25,648,821	24,875,860	3,019,259	4,983,496	32,878,615		
2048	5,442,685	449,257	960,739	6,852,682	18,895,188	2,593,406	3,920,661	25,409,255	24,337,873	3,042,663	4,881,400	32,261,937		
2049	5,145,172	434,450	908,222	6,487,844	18,660,077	2,633,729	3,871,877	25,165,683	23,805,248	3,068,179	4,780,099	31,653,527		
2050	4,857,816	419,378	857,498	6,134,693	18,419,812	2,671,233	3,822,023	24,913,068	23,277,628	3,090,611	4,679,521	31,047,761		
2051	4,580,507	403,861	808,548	5,792,916	18,174,166	2,702,707	3,771,053	24,647,926	22,754,673	3,106,568	4,579,601	30,440,841		
2052	4,313,137	388,705	761,352	5,463,194	17,922,901	2,735,758	3,718,916	24,377,575	22,236,038	3,124,463	4,480,268	29,840,769		
2053	4,055,601	373,674	715,892	5,145,167	17,665,762	2,766,153	3,665,561	24,097,476	21,721,363	3,139,827	4,381,453	29,242,643		
2054	3,807,791	358,691	672,149	4,838,631	17,402,495	2,791,145	3,610,935	23,804,575	21,210,287	3,149,837	4,283,083	28,643,207		
2055	3,569,600	343,522	630,103	4,543,226	17,132,860	2,814,678	3,554,987	23,502,525	20,702,460	3,158,200	4,185,090	28,045,750		
2056	3,340,919	328,786	589,737	4,259,442	16,856,626	2,832,799	3,497,669	23,187,093	20,197,544	3,161,585	4,087,406	27,446,535		
2057	3,121,636	314,129	551,029	3,986,794	16,573,566	2,845,551	3,438,936	22,858,053	19,695,202	3,159,680	3,989,965	26,844,847		
2058	2,911,639	299,824	513,961	3,725,424	16,283,487	2,859,468	3,378,746	22,521,701	19,195,127	3,159,292	3,892,706	26,247,125		
2059	2,710,816	286,114	478,512	3,475,442	15,986,247	2,869,379	3,317,070	22,172,696	18,697,063	3,155,494	3,795,581	25,648,139		
2060	2,519,046	272,630	444,660	3,236,337	15,681,727	2,877,529	3,253,883	21,813,140	18,200,773	3,150,160	3,698,544	25,049,477		
2061	2,336,196	259,242	412,384	3,007,822	15,369,814	2,882,745	3,189,163	21,441,722	17,706,009	3,141,988	3,601,547	24,449,544		
2062	2,162,125	246,472	381,657	2,790,254	15,050,381	2,887,172	3,122,882	21,060,435	17,212,506	3,133,644	3,504,539	23,850,689		
2063	1,996,691	233,906	352,455	2,583,052	14,723,317	2,887,559	3,055,018	20,665,894	16,720,008	3,121,465	3,407,473	23,248,946		
2064	1,839,747	221,310	324,751	2,385,808	14,388,579	2,888,081	2,985,561	20,262,222	16,228,327	3,109,391	3,310,312	22,648,030		
2065	1,691,144	209,305	298,520	2,198,969	14,046,179	2,886,967	2,914,515	19,847,661	15,737,323	3,096,272	3,213,035	22,046,630		
2066	1,550,725	197,247	273,733	2,021,705	13,696,166	2,884,805	2,841,889	19,422,860	15,246,891	3,082,052	3,115,622	21,444,565		
2067	1,418,319	185,536	250,361	1,854,212	13,338,606	2,876,948	2,767,697	18,983,252	14,756,926	3,062,484	3,018,058	20,837,468		
2068	1,293,748	173,934	228,372	1,696,053	12,973,639	2,865,908	2,691,968	18,531,515	14,267,387	3,039,842	2,920,340	20,227,568		
2069	1,176,824	162,797	207,732	1,547,353	12,601,530	2,851,333	2,614,757	18,067,621	13,778,354	3,014,131	2,822,489	19,614,974		
2070	1,067,347	151,651	188,407	1,407,406	12,222,667	2,829,382	2,536,145	17,588,194	13,290,014	2,981,033	2,724,552	18,995,600		
2071	965,109	140,893	170,360	1,276,362	11,837,513	2,802,786	2,456,227	17,096,527	12,802,622	2,943,679	2,626,588	18,372,889		
Subtotal: 2022 to 2071	295,017,092	26,357,533	53,998,812	375,373,437	859,718,315	125,240,258	180,023,124	1,164,981,697	1,154,735,408	151,597,791	234,021,936	1,540,355,135		

Estimation of Prospective Cost - Current Level (2022)

By Claim Class and Expense Category

Calendar Year	Claim Class A				Claim Classes B, C & D				All Claim Classes			
	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Combined Expense - Except Parental Award & Burial (2) + (3)+ (4)	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Combined Expense - Except Parental Award & Burial (6) + (7)+ (8)	Nursing Care (2) + (6)	Hospitals, Physicians & Drugs (3) + (7)	All Other Expense - Excl. Parental Award & Burial Expense (4) + (8)	Combined Expense - Except Parental Award & Burial (5) + (9)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
2072	869,887	130,232	153,552	1,153,670	11,446,610	2,772,043	2,375,117	16,593,770	12,316,497	2,902,274	2,528,669	17,747,440
2073	781,452	120,032	137,941	1,039,425	11,050,578	2,733,367	2,292,942	16,076,887	11,832,030	2,853,400	2,430,883	17,116,313
2074	699,566	110,064	123,487	933,118	10,650,161	2,687,721	2,209,858	15,547,740	11,349,728	2,797,785	2,333,345	16,480,857
2075	623,980	100,661	110,145	834,786	10,246,216	2,638,350	2,126,041	15,010,607	10,870,197	2,739,011	2,236,186	15,845,393
2076	554,432	91,532	97,868	743,832	9,839,661	2,580,500	2,041,683	14,461,843	10,394,093	2,672,032	2,139,551	15,205,676
2077	490,651	82,823	86,609	660,083	9,431,448	2,515,308	1,956,980	13,903,736	9,922,099	2,598,131	2,043,590	14,563,819
2078	432,362	74,494	76,320	583,176	9,022,585	2,447,576	1,872,143	13,342,304	9,454,947	2,522,070	1,948,463	13,925,480
2079	379,289	66,549	66,952	512,791	8,614,114	2,372,573	1,787,388	12,774,075	8,993,404	2,439,122	1,854,339	13,286,866
2080	331,156	58,909	58,455	448,520	8,207,077	2,287,117	1,702,929	12,197,124	8,538,233	2,346,026	1,761,385	12,645,644
2081	287,683	51,962	50,782	390,427	7,802,489	2,202,319	1,618,979	11,623,787	8,090,172	2,254,280	1,669,761	12,014,213
2082	248,594	45,437	43,882	337,913	7,401,350	2,109,268	1,535,745	11,046,363	7,649,945	2,154,705	1,579,627	11,384,276
2083	213,611	39,367	37,706	290,684	7,004,633	2,008,418	1,453,428	10,466,480	7,218,244	2,047,785	1,491,134	10,757,164
2084	182,457	33,867	32,207	248,531	6,613,294	1,905,919	1,372,227	9,891,440	6,795,750	1,939,786	1,404,434	10,139,971
2085	154,857	28,846	27,335	211,039	6,227,981	1,799,218	1,292,276	9,319,475	6,382,838	1,828,065	1,319,612	9,530,514
2086	130,544	24,317	23,043	177,904	5,849,745	1,689,949	1,213,794	8,753,488	5,980,289	1,714,266	1,236,838	8,931,392
2087	109,252	20,351	19,285	148,888	5,479,331	1,582,939	1,136,935	8,199,204	5,588,583	1,603,290	1,156,220	8,348,092
2088	90,726	16,900	16,015	123,641	5,116,889	1,478,232	1,061,730	7,656,851	5,207,614	1,495,132	1,077,745	7,780,491
2089	74,716	13,918	13,189	101,823	4,763,894	1,376,254	988,485	7,128,633	4,838,610	1,390,172	1,001,674	7,230,456
2090	60,983	11,360	10,765	83,107	4,421,010	1,277,198	917,339	6,615,547	4,481,993	1,288,557	928,103	6,698,654
2091	49,294	9,182	8,701	67,177	4,088,232	1,181,061	848,289	6,117,581	4,137,526	1,190,243	856,990	6,184,758
2092	39,430	7,345	6,960	53,734	3,766,164	1,088,017	781,461	5,635,642	3,805,593	1,095,362	788,421	5,689,376
2093	31,182	5,808	5,504	42,495	3,454,442	997,963	716,780	5,169,185	3,485,624	1,003,772	722,284	5,211,680
2094	24,357	4,537	4,299	33,193	3,153,945	911,152	654,428	4,719,525	3,178,301	915,689	658,728	4,752,718
2095	18,771	3,497	3,313	25,581	2,866,173	828,017	594,717	4,288,907	2,884,944	831,513	598,031	4,314,488
2096	14,256	2,655	2,516	19,428	2,590,951	748,507	537,610	3,877,068	2,605,207	751,162	540,126	3,896,495
2097	10,655	1,985	1,881	14,521	2,328,810	672,776	483,217	3,484,803	2,339,465	674,761	485,098	3,499,324
2098	7,827	1,458	1,382	10,667	2,079,547	600,766	431,496	3,111,809	2,087,374	602,224	432,878	3,122,475
2099	5,642	1,051	996	7,689	1,844,649	532,906	382,756	2,760,311	1,850,291	533,957	383,752	2,768,000
2100	3,983	742	703	5,428	1,624,410	469,280	337,057	2,430,748	1,628,393	470,022	337,760	2,436,176
2101	2,749	512	485	3,746	1,419,104	409,969	294,457	2,123,530	1,421,853	410,481	294,943	2,127,277
2102	1,851	345	327	2,522	1,228,741	354,974	254,958	1,838,673	1,230,591	355,319	255,284	1,841,195
2103	1,212	226	214	1,651	1,054,149	304,536	218,731	1,577,416	1,055,361	304,762	218,945	1,579,068
2104	770	143	136	1,049	894,913	258,534	185,690	1,339,137	895,682	258,677	185,826	1,340,185
2105	472	88	83	644	751,156	217,004	155,861	1,124,021	751,628	217,092	155,945	1,124,665
2106	279	52	49	380	623,000	179,980	129,270	932,250	623,279	180,032	129,319	932,630
2107	158	29	28	215	509,690	147,246	105,758	762,694	509,848	147,275	105,786	762,910
2108	85	16	15	116	411,138	118,775	85,309	615,222	411,223	118,791	85,324	615,338
2109	44	8	8	59	326,784	94,406	67,806	488,996	326,828	94,414	67,814	489,055
2110	21	4	4	29	255,332	73,764	52,980	382,076	255,353	73,768	52,984	382,105
2111	9	2	2	13	195,446	56,463	40,554	292,463	195,455	56,465	40,556	292,475
2112	4	1	1	5	146,524	42,330	30,403	219,257	146,528	42,330	30,404	219,262
2113	1	0	0	2	106,992	30,909	22,200	160,102	106,994	30,910	22,201	160,104
2114	0	0	0	1	75,321	21,760	15,629	112,710	75,322	21,760	15,629	112,710
2115	0	0	0	0	51,126	14,770	10,608	76,504	51,126	14,770	10,608	76,504
2116	0	0	0	0	33,076	9,555	6,863	49,494	33,076	9,555	6,863	49,494
2117	0	0	0	0	20,166	5,826	4,184	30,176	20,166	5,826	4,184	30,176
2118	0	0	0	0	11,094	3,205	2,302	16,601	11,094	3,205	2,302	16,601
2119	0	0	0	0	5,644	1,631	1,171	8,446	5,644	1,631	1,171	8,446
2120	0	0	0	0	2,720	786	564	4,071	2,720	786	564	4,071
2121	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal: 2072 to 2121	6,929,250	1,161,307	1,223,147	9,313,704	185,108,505	50,841,135	38,409,130	274,358,769	192,037,754	52,002,442	39,632,276	283,672,473
Totals	301,946,342	27,518,840	55,221,959	384,687,141	1,044,826,820	176,081,393	218,432,253	1,439,340,467	1,346,773,162	203,600,233	273,654,212	1,824,027,608

Estimation of Outstanding Loss & ALAE Reserves - Excluding Parental Award and Death Benefit
After Estimated Inflation and Investment Income
Evaluated as of September 30, 2022

By Claim Class and Expense Category

Based on Current Inflation / Investment Income Differential (3.50 % Inflation and 5.0 % Investment Income)

Calendar Year	Before Inflation / Investment Income			Inflation / Investment Factors			After Inflation / Investment Income		
	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Nursing Care (2) X (5)	Hospitals, Physicians & Drugs (3) X (6)	All Other Expense - Excl. Parental Award & Burial Expense (4) X (7)
	(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2022 - 9 Mo	7,113,173	900,154	1,477,610	0.9939	0.9939	0.9939	7,069,923	894,681	1,468,626
2023	28,466,794	3,509,016	6,164,366	1.0039	1.0039	1.0039	28,578,248	3,522,754	6,188,500
2024	28,422,742	3,443,658	6,112,973	0.9896	0.9896	0.9896	28,126,394	3,407,753	6,049,236
2025	28,722,550	3,353,389	6,094,602	0.9754	0.9754	0.9754	28,017,032	3,271,019	5,944,899
2026	28,717,094	3,304,066	6,054,669	0.9615	0.9615	0.9615	27,611,543	3,176,866	5,821,576
2027	29,067,946	3,230,983	6,053,735	0.9478	0.9478	0.9478	27,549,619	3,062,217	5,737,526
2028	29,406,758	3,174,649	6,048,693	0.9342	0.9342	0.9342	27,472,580	2,965,842	5,650,851
2029	29,600,955	3,117,788	6,030,599	0.9209	0.9209	0.9209	27,258,947	2,871,111	5,553,462
2030	29,669,266	3,065,860	5,998,734	0.9077	0.9077	0.9077	26,931,541	2,782,958	5,445,202
2031	30,240,826	2,998,735	6,023,707	0.8948	0.8948	0.8948	27,058,212	2,683,141	5,389,759
2032	29,855,841	2,975,953	5,949,987	0.8820	0.8820	0.8820	26,332,119	2,624,718	5,247,743
2033	29,546,313	2,951,261	5,883,012	0.8694	0.8694	0.8694	25,686,850	2,565,755	5,114,549
2034	29,231,318	2,933,363	5,819,716	0.8570	0.8570	0.8570	25,049,957	2,513,764	4,987,242
2035	28,978,112	2,921,298	5,763,857	0.8447	0.8447	0.8447	24,478,214	2,467,661	4,868,811
2036	28,630,773	2,909,478	5,697,312	0.8326	0.8326	0.8326	23,839,315	2,422,567	4,743,848
2037	28,359,870	2,906,009	5,642,184	0.8208	0.8208	0.8208	23,276,409	2,385,111	4,630,831
2038	28,128,333	2,910,851	5,596,489	0.8090	0.8090	0.8090	22,756,570	2,354,955	4,527,708
2039	27,840,890	2,912,853	5,539,406	0.7975	0.7975	0.7975	22,202,248	2,322,910	4,417,505
2040	27,608,866	2,918,773	5,493,906	0.7861	0.7861	0.7861	21,702,685	2,294,380	4,318,631
2041	27,454,163	2,935,657	5,460,480	0.7748	0.7748	0.7748	21,272,775	2,274,685	4,231,037
2042	27,018,597	2,938,389	5,380,191	0.7638	0.7638	0.7638	20,636,203	2,244,276	4,109,270
2043	26,630,255	2,946,600	5,309,717	0.7529	0.7529	0.7529	20,049,030	2,218,397	3,997,509
2044	26,192,295	2,958,118	5,228,591	0.7421	0.7421	0.7421	19,437,600	2,195,253	3,880,197
2045	25,758,581	2,974,057	5,148,170	0.7315	0.7315	0.7315	18,842,655	2,175,552	3,765,937
2046	25,419,589	2,995,037	5,086,460	0.7211	0.7211	0.7211	18,329,041	2,159,600	3,667,641
2047	24,875,860	3,019,259	4,983,496	0.7108	0.7108	0.7108	17,680,737	2,145,965	3,542,064
2048	24,337,873	3,042,663	4,881,400	0.7006	0.7006	0.7006	17,051,238	2,131,706	3,419,934
2049	23,805,248	3,068,179	4,780,099	0.6906	0.6906	0.6906	16,439,821	2,118,874	3,301,120
2050	23,277,628	3,090,611	4,679,521	0.6807	0.6807	0.6807	15,845,799	2,103,874	3,185,494
2051	22,754,673	3,106,568	4,579,601	0.6710	0.6710	0.6710	15,268,524	2,084,526	3,072,940
2052	22,236,038	3,124,463	4,480,268	0.6614	0.6614	0.6614	14,707,367	2,066,583	2,963,340
2053	21,721,363	3,139,827	4,381,453	0.6520	0.6520	0.6520	14,161,708	2,047,078	2,856,582
2054	21,210,287	3,149,837	4,283,083	0.6427	0.6427	0.6427	13,630,951	2,024,266	2,752,556
2055	20,702,460	3,158,200	4,185,090	0.6335	0.6335	0.6335	13,114,527	2,000,646	2,651,157
2056	20,197,544	3,161,585	4,087,406	0.6244	0.6244	0.6244	12,611,893	1,974,179	2,552,287
2057	19,695,202	3,159,680	3,989,965	0.6155	0.6155	0.6155	12,122,528	1,944,804	2,455,850
2058	19,195,127	3,159,292	3,892,706	0.6067	0.6067	0.6067	11,645,947	1,916,786	2,361,758
2059	18,697,063	3,155,494	3,795,581	0.5980	0.5980	0.5980	11,181,711	1,887,132	2,269,934
2060	18,200,773	3,150,160	3,698,544	0.5895	0.5895	0.5895	10,729,408	1,857,028	2,180,302
2061	17,706,009	3,141,988	3,601,547	0.5811	0.5811	0.5811	10,288,632	1,825,751	2,092,792
2062	17,212,506	3,133,644	3,504,539	0.5728	0.5728	0.5728	9,858,983	1,794,889	2,007,331
2063	16,720,008	3,121,465	3,407,473	0.5646	0.5646	0.5646	9,440,077	1,762,372	1,923,851
2064	16,228,327	3,109,391	3,310,312	0.5565	0.5565	0.5565	9,031,583	1,730,475	1,842,295
2065	15,737,323	3,096,272	3,213,035	0.5486	0.5486	0.5486	8,633,205	1,698,557	1,762,611
2066	15,246,891	3,082,052	3,115,622	0.5407	0.5407	0.5407	8,244,674	1,666,603	1,684,756
2067	14,756,926	3,062,484	3,018,058	0.5330	0.5330	0.5330	7,865,732	1,632,364	1,608,684
2068	14,267,387	3,039,842	2,920,340	0.5254	0.5254	0.5254	7,496,158	1,597,148	1,534,361
2069	13,778,354	3,014,131	2,822,489	0.5179	0.5179	0.5179	7,135,801	1,561,016	1,461,765
2070	13,290,014	2,981,033	2,724,552	0.5105	0.5105	0.5105	6,784,563	1,521,820	1,390,886
2071	12,802,622	2,943,679	2,626,588	0.5032	0.5032	0.5032	6,442,381	1,481,282	1,321,720
Subtotal: 2022 to 2071	1,154,735,408	151,597,791	234,021,936				876,979,657	110,433,651	177,954,465

Estimation of Outstanding Loss & ALAE Reserves - Excluding Parental Award and Death Benefit
After Estimated Inflation and Investment Income
Evaluated as of September 30, 2022

By Claim Class and Expense Category

Based on Current Inflation / Investment Income Differential (3.50 % Inflation and 5.0 % Investment Income)

Calendar Year	Before Inflation / Investment Income			Inflation / Investment Factors			After Inflation / Investment Income		
	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Nursing Care (2) X (5)	Hospitals, Physicians & Drugs (3) X (6)	All Other Expense - Excl. Parental Award & Burial Expense (4) X (7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2072	12,316,497	2,902,274	2,528,669	0.4960	0.4960	0.4960	6,109,219	1,439,584	1,254,268
2073	11,832,030	2,853,400	2,430,883	0.4889	0.4889	0.4889	5,785,073	1,395,122	1,188,540
2074	11,349,728	2,797,785	2,333,345	0.4819	0.4819	0.4819	5,469,984	1,348,388	1,124,552
2075	10,870,197	2,739,011	2,236,186	0.4751	0.4751	0.4751	5,164,034	1,301,204	1,062,330
2076	10,394,093	2,672,032	2,139,551	0.4683	0.4683	0.4683	4,867,314	1,251,251	1,001,902
2077	9,922,099	2,598,131	2,043,590	0.4616	0.4616	0.4616	4,579,914	1,199,264	943,295
2078	9,454,947	2,522,070	1,948,463	0.4550	0.4550	0.4550	4,301,936	1,147,524	886,537
2079	8,993,404	2,439,122	1,854,339	0.4485	0.4485	0.4485	4,033,481	1,093,930	831,659
2080	8,538,233	2,346,026	1,761,385	0.4421	0.4421	0.4421	3,774,635	1,037,146	778,684
2081	8,090,172	2,254,280	1,669,761	0.4358	0.4358	0.4358	3,525,460	982,349	727,633
2082	7,649,945	2,154,705	1,579,627	0.4295	0.4295	0.4295	3,285,998	925,544	678,521
2083	7,218,244	2,047,785	1,491,134	0.4234	0.4234	0.4234	3,056,270	867,051	631,360
2084	6,795,750	1,939,786	1,404,434	0.4174	0.4174	0.4174	2,836,276	809,590	586,155
2085	6,382,838	1,828,065	1,319,612	0.4114	0.4114	0.4114	2,625,887	752,062	542,886
2086	5,980,289	1,714,266	1,236,838	0.4055	0.4055	0.4055	2,425,132	695,171	501,563
2087	5,588,583	1,603,290	1,156,220	0.3997	0.3997	0.3997	2,233,911	640,879	462,173
2088	5,207,614	1,495,132	1,077,745	0.3940	0.3940	0.3940	2,051,890	589,108	424,650
2089	4,838,610	1,390,172	1,001,674	0.3884	0.3884	0.3884	1,879,261	539,927	389,039
2090	4,481,993	1,288,557	928,103	0.3828	0.3828	0.3828	1,715,887	493,311	355,315
2091	4,137,526	1,190,243	856,990	0.3774	0.3774	0.3774	1,561,382	449,163	323,403
2092	3,805,593	1,095,362	788,421	0.3720	0.3720	0.3720	1,415,604	407,453	293,277
2093	3,485,624	1,003,772	722,284	0.3667	0.3667	0.3667	1,278,060	368,049	264,837
2094	3,178,301	915,689	658,728	0.3614	0.3614	0.3614	1,148,727	330,955	238,083
2095	2,884,944	831,513	598,031	0.3563	0.3563	0.3563	1,027,804	296,239	213,057
2096	2,605,207	751,162	540,126	0.3512	0.3512	0.3512	914,884	263,790	189,679
2097	2,339,465	674,761	485,098	0.3462	0.3462	0.3462	809,825	233,574	167,921
2098	2,087,374	602,224	432,878	0.3412	0.3412	0.3412	712,240	205,487	147,704
2099	1,850,291	533,957	383,752	0.3363	0.3363	0.3363	622,325	179,590	129,071
2100	1,628,393	470,022	337,760	0.3315	0.3315	0.3315	539,868	155,828	111,979
2101	1,421,853	410,481	294,943	0.3268	0.3268	0.3268	464,658	134,144	96,387
2102	1,230,591	355,319	255,284	0.3221	0.3221	0.3221	396,409	114,459	82,235
2103	1,055,361	304,762	218,945	0.3175	0.3175	0.3175	335,106	96,770	69,521
2104	895,682	258,677	185,826	0.3130	0.3130	0.3130	280,341	80,964	58,162
2105	751,628	217,092	155,945	0.3085	0.3085	0.3085	231,892	66,977	48,112
2106	623,279	180,032	129,319	0.3041	0.3041	0.3041	189,547	54,750	39,327
2107	509,848	147,275	105,786	0.2998	0.2998	0.2998	152,836	44,148	31,711
2108	411,223	118,791	85,324	0.2955	0.2955	0.2955	121,511	35,101	25,212
2109	326,828	94,414	67,814	0.2913	0.2913	0.2913	95,193	27,499	19,752
2110	255,353	73,768	52,984	0.2871	0.2871	0.2871	73,313	21,179	15,212
2111	195,455	56,465	40,556	0.2830	0.2830	0.2830	55,314	15,980	11,477
2112	146,528	42,330	30,404	0.2790	0.2790	0.2790	40,875	11,808	8,481
2113	106,994	30,910	22,201	0.2750	0.2750	0.2750	29,420	8,499	6,105
2114	75,322	21,760	15,629	0.2710	0.2710	0.2710	20,416	5,898	4,236
2115	51,126	14,770	10,608	0.2672	0.2672	0.2672	13,660	3,946	2,834
2116	33,076	9,555	6,863	0.2634	0.2634	0.2634	8,711	2,516	1,807
2117	20,166	5,826	4,184	0.2596	0.2596	0.2596	5,235	1,512	1,086
2118	11,094	3,205	2,302	0.2559	0.2559	0.2559	2,839	820	589
2119	5,644	1,631	1,171	0.2522	0.2522	0.2522	1,424	411	295
2120	2,720	786	564	0.2486	0.2486	0.2486	676	195	140
Subtotal: 2072 to 2120	192,037,754	52,002,442	39,632,276				82,271,653	22,126,112	16,972,754
Totals	1,346,773,162	203,600,233	273,654,212				959,251,311	132,559,762	194,927,219

Estimation of Outstanding Loss & ALAE Reserves - Excluding Parental Award and Death Benefit
After Estimated Inflation and Investment Income
Evaluated as of September 30, 2022

By Claim Class and Expense Category

Based on Short Term Increase in Inflation and Decrease in Investment Income and then a Return
to Current Inflation / Investment Income Differential

Calendar Year	Before Inflation / Investment Income			Inflation / Investment Factors			After Inflation / Investment Income		
	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Nursing Care (2) X (5)	Hospitals, Physicians & Drugs (3) X (6)	All Other Expense - Excl. Parental Award & Burial Expense (4) X (7)
2022 - 9 Mo	7,113,173	900,154	1,477,610	1.0051	1.0051	1.0051	7,149,169	904,710	1,485,088
2023	28,466,794	3,509,016	6,164,366	1.0495	1.0495	1.0495	29,875,824	3,682,702	6,469,485
2024	28,422,742	3,443,658	6,112,973	1.0495	1.0495	1.0495	29,829,591	3,614,109	6,415,548
2025	28,722,550	3,353,389	6,094,602	1.0299	1.0299	1.0299	29,580,795	3,453,590	6,276,712
2026	28,717,094	3,304,066	6,054,669	1.0202	1.0202	1.0202	29,296,165	3,370,691	6,176,759
2027	29,067,946	3,230,983	6,053,735	1.0009	1.0009	1.0009	29,094,582	3,233,944	6,059,282
2028	29,406,758	3,174,649	6,048,693	0.9820	0.9820	0.9820	28,878,351	3,117,604	5,940,005
2029	29,600,955	3,117,788	6,030,599	0.9635	0.9635	0.9635	28,520,586	3,003,996	5,810,496
2030	29,669,266	3,065,860	5,998,734	0.9497	0.9497	0.9497	28,178,026	2,911,763	5,697,225
2031	30,240,826	2,998,735	6,023,707	0.9362	0.9362	0.9362	28,310,561	2,807,326	5,639,215
2032	29,855,841	2,975,953	5,949,987	0.9228	0.9228	0.9228	27,550,861	2,746,199	5,490,627
2033	29,546,313	2,951,261	5,883,012	0.9096	0.9096	0.9096	26,875,727	2,684,507	5,351,268
2034	29,231,318	2,933,363	5,819,716	0.8966	0.8966	0.8966	26,209,357	2,630,109	5,218,069
2035	28,978,112	2,921,298	5,763,857	0.8838	0.8838	0.8838	25,611,151	2,581,873	5,094,156
2036	28,630,773	2,909,478	5,697,312	0.8712	0.8712	0.8712	24,942,681	2,534,692	4,963,409
2037	28,359,870	2,906,009	5,642,184	0.8587	0.8587	0.8587	24,353,722	2,495,503	4,845,162
2038	28,128,333	2,910,851	5,596,489	0.8465	0.8465	0.8465	23,809,823	2,463,951	4,737,266
2039	27,840,890	2,912,853	5,539,406	0.8344	0.8344	0.8344	23,229,846	2,430,423	4,621,962
2040	27,608,866	2,918,773	5,493,906	0.8225	0.8225	0.8225	22,707,161	2,400,572	4,518,512
2041	27,454,163	2,935,657	5,460,480	0.8107	0.8107	0.8107	22,257,354	2,379,965	4,426,864
2042	27,018,597	2,938,389	5,380,191	0.7991	0.7991	0.7991	21,591,319	2,348,149	4,299,461
2043	26,630,255	2,946,600	5,309,717	0.7877	0.7877	0.7877	20,976,969	2,321,072	4,182,527
2044	26,192,295	2,958,118	5,228,591	0.7765	0.7765	0.7765	20,337,240	2,296,857	4,059,786
2045	25,758,581	2,974,057	5,148,170	0.7654	0.7654	0.7654	19,714,759	2,276,244	3,940,238
2046	25,419,589	2,995,037	5,086,460	0.7544	0.7544	0.7544	19,177,372	2,259,554	3,837,393
2047	24,875,860	3,019,259	4,983,496	0.7437	0.7437	0.7437	18,499,063	2,245,287	3,706,003
2048	24,337,873	3,042,663	4,881,400	0.7330	0.7330	0.7330	17,840,429	2,230,368	3,578,221
2049	23,805,248	3,068,179	4,780,099	0.7226	0.7226	0.7226	17,200,713	2,216,942	3,453,907
2050	23,277,628	3,090,611	4,679,521	0.7122	0.7122	0.7122	16,579,197	2,201,249	3,332,930
2051	22,754,673	3,106,568	4,579,601	0.7021	0.7021	0.7021	15,975,204	2,181,005	3,215,166
2052	22,236,038	3,124,463	4,480,268	0.6920	0.6920	0.6920	15,388,075	2,162,232	3,100,494
2053	21,721,363	3,139,827	4,381,453	0.6821	0.6821	0.6821	14,817,161	2,141,823	2,988,795
2054	21,210,287	3,149,837	4,283,083	0.6724	0.6724	0.6724	14,261,839	2,117,956	2,879,954
2055	20,702,460	3,158,200	4,185,090	0.6628	0.6628	0.6628	13,721,512	2,093,243	2,773,862
2056	20,197,544	3,161,585	4,087,406	0.6533	0.6533	0.6533	13,195,615	2,065,551	2,670,416
2057	19,695,202	3,159,680	3,989,965	0.6440	0.6440	0.6440	12,683,601	2,034,816	2,569,515
2058	19,195,127	3,159,292	3,892,706	0.6348	0.6348	0.6348	12,184,962	2,005,501	2,471,069
2059	18,697,063	3,155,494	3,795,581	0.6257	0.6257	0.6257	11,699,240	1,974,475	2,374,994
2060	18,200,773	3,150,160	3,698,544	0.6168	0.6168	0.6168	11,226,002	1,942,978	2,281,214
2061	17,706,009	3,141,988	3,601,547	0.6080	0.6080	0.6080	10,764,826	1,910,253	2,189,653
2062	17,212,506	3,133,644	3,504,539	0.5993	0.5993	0.5993	10,315,291	1,877,963	2,100,237
2063	16,720,008	3,121,465	3,407,473	0.5907	0.5907	0.5907	9,876,997	1,843,940	2,012,894
2064	16,228,327	3,109,391	3,310,312	0.5823	0.5823	0.5823	9,449,596	1,810,568	1,927,562
2065	15,737,323	3,096,272	3,213,035	0.5740	0.5740	0.5740	9,032,779	1,777,173	1,844,191
2066	15,246,891	3,082,052	3,115,622	0.5658	0.5658	0.5658	8,626,267	1,743,740	1,762,732
2067	14,756,926	3,062,484	3,018,058	0.5577	0.5577	0.5577	8,229,786	1,707,916	1,683,140
2068	14,267,387	3,039,842	2,920,340	0.5497	0.5497	0.5497	7,843,107	1,671,070	1,605,377
2069	13,778,354	3,014,131	2,822,489	0.5419	0.5419	0.5419	7,466,070	1,633,266	1,529,421
2070	13,290,014	2,981,033	2,724,552	0.5341	0.5341	0.5341	7,098,576	1,592,255	1,455,261
2071	12,802,622	2,943,679	2,626,588	0.5265	0.5265	0.5265	6,740,557	1,549,841	1,382,894
Subtotal: 2022 to 2071	1,154,735,408	151,597,791	234,021,936				918,775,457	115,681,517	186,446,417

Estimation of Outstanding Loss & ALAE Reserves - Excluding Parental Award and Death Benefit
After Estimated Inflation and Investment Income
Evaluated as of September 30, 2022

By Claim Class and Expense Category

Based on Short Term Increase in Inflation and Decrease in Investment Income and then a Return
to Current Inflation / Investment Income Differential

Calendar Year	Before Inflation / Investment Income			Inflation / Investment Factors			After Inflation / Investment Income		
	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Nursing Care (2) X (5)	Hospitals, Physicians & Drugs (3) X (6)	All Other Expense - Excl. Parental Award & Burial Expense (4) X (7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2072	12,316,497	2,902,274	2,528,669	0.5190	0.5190	0.5190	6,391,975	1,506,213	1,312,320
2073	11,832,030	2,853,400	2,430,883	0.5116	0.5116	0.5116	6,052,826	1,459,693	1,243,549
2074	11,349,728	2,797,785	2,333,345	0.5043	0.5043	0.5043	5,723,154	1,410,796	1,176,600
2075	10,870,197	2,739,011	2,236,186	0.4971	0.4971	0.4971	5,403,043	1,361,428	1,111,498
2076	10,394,093	2,672,032	2,139,551	0.4900	0.4900	0.4900	5,092,590	1,309,163	1,048,274
2077	9,922,099	2,598,131	2,043,590	0.4830	0.4830	0.4830	4,791,888	1,254,770	986,954
2078	9,454,947	2,522,070	1,948,463	0.4761	0.4761	0.4761	4,501,044	1,200,636	927,570
2079	8,993,404	2,439,122	1,854,339	0.4693	0.4693	0.4693	4,220,164	1,144,561	870,151
2080	8,538,233	2,346,026	1,761,385	0.4625	0.4625	0.4625	3,949,338	1,085,149	814,724
2081	8,090,172	2,254,280	1,669,761	0.4559	0.4559	0.4559	3,688,630	1,027,816	761,310
2082	7,649,945	2,154,705	1,579,627	0.4494	0.4494	0.4494	3,438,086	968,381	709,926
2083	7,218,244	2,047,785	1,491,134	0.4430	0.4430	0.4430	3,197,724	907,181	660,581
2084	6,795,750	1,939,786	1,404,434	0.4367	0.4367	0.4367	2,967,549	847,060	613,284
2085	6,382,838	1,828,065	1,319,612	0.4304	0.4304	0.4304	2,747,422	786,870	568,012
2086	5,980,289	1,714,266	1,236,838	0.4243	0.4243	0.4243	2,537,376	727,346	524,778
2087	5,588,583	1,603,290	1,156,220	0.4182	0.4182	0.4182	2,337,305	670,542	483,564
2088	5,207,614	1,495,132	1,077,745	0.4123	0.4123	0.4123	2,146,859	616,374	444,304
2089	4,838,610	1,390,172	1,001,674	0.4064	0.4064	0.4064	1,966,239	564,917	407,045
2090	4,481,993	1,288,557	928,103	0.4006	0.4006	0.4006	1,795,304	516,144	371,760
2091	4,137,526	1,190,243	856,990	0.3948	0.3948	0.3948	1,633,648	469,952	338,371
2092	3,805,593	1,095,362	788,421	0.3892	0.3892	0.3892	1,481,124	426,311	306,851
2093	3,485,624	1,003,772	722,284	0.3836	0.3836	0.3836	1,337,213	385,083	277,095
2094	3,178,301	915,689	658,728	0.3782	0.3782	0.3782	1,201,894	346,273	249,102
2095	2,884,944	831,513	598,031	0.3728	0.3728	0.3728	1,075,374	309,950	222,918
2096	2,605,207	751,162	540,126	0.3674	0.3674	0.3674	957,228	275,999	198,458
2097	2,339,465	674,761	485,098	0.3622	0.3622	0.3622	847,307	244,385	175,693
2098	2,087,374	602,224	432,878	0.3570	0.3570	0.3570	745,204	214,997	154,540
2099	1,850,291	533,957	383,752	0.3519	0.3519	0.3519	651,128	187,902	135,044
2100	1,628,393	470,022	337,760	0.3469	0.3469	0.3469	564,855	163,041	117,162
2101	1,421,853	410,481	294,943	0.3419	0.3419	0.3419	486,164	140,353	100,848
2102	1,230,591	355,319	255,284	0.3370	0.3370	0.3370	414,757	119,756	86,041
2103	1,055,361	304,762	218,945	0.3322	0.3322	0.3322	350,616	101,249	72,739
2104	895,682	258,677	185,826	0.3275	0.3275	0.3275	293,316	84,711	60,854
2105	751,628	217,092	155,945	0.3228	0.3228	0.3228	242,625	70,077	50,339
2106	623,279	180,032	129,319	0.3182	0.3182	0.3182	198,320	57,284	41,148
2107	509,848	147,275	105,786	0.3136	0.3136	0.3136	159,910	46,192	33,179
2108	411,223	118,791	85,324	0.3092	0.3092	0.3092	127,134	36,726	26,379
2109	326,828	94,414	67,814	0.3047	0.3047	0.3047	99,599	28,772	20,666
2110	255,353	73,768	52,984	0.3004	0.3004	0.3004	76,706	22,159	15,916
2111	195,455	56,465	40,556	0.2961	0.2961	0.2961	57,874	16,719	12,009
2112	146,528	42,330	30,404	0.2919	0.2919	0.2919	42,767	12,355	8,874
2113	106,994	30,910	22,201	0.2877	0.2877	0.2877	30,782	8,893	6,387
2114	75,322	21,760	15,629	0.2836	0.2836	0.2836	21,361	6,171	4,432
2115	51,126	14,770	10,608	0.2795	0.2795	0.2795	14,292	4,129	2,965
2116	33,076	9,555	6,863	0.2755	0.2755	0.2755	9,114	2,633	1,891
2117	20,166	5,826	4,184	0.2716	0.2716	0.2716	5,477	1,582	1,136
2118	11,094	3,205	2,302	0.2677	0.2677	0.2677	2,970	858	616
2119	5,644	1,631	1,171	0.2639	0.2639	0.2639	1,489	430	309
2120	2,720	786	564	0.2601	0.2601	0.2601	708	204	147
Subtotal: 2072 to 2120	192,037,754	52,002,442	39,632,276				86,079,472	23,150,185	17,758,312
Totals	1,346,773,162	203,600,233	273,654,212				1,004,854,929	138,831,702	204,204,729

Estimation of Outstanding Loss & ALAE Reserves - Excluding Parental Award and Death Benefit
After Estimated Inflation and Investment Income
Evaluated as of September 30, 2022

Alternative Inflation / Investment Rates

Calendar Year	Prospective Inflation						Prospective Investment Returns	
	Current Assumptions (a)			Alternative - Short Term Increase (b)			Current (a) Assumptions	Short - Term Shock (b)
	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2022 - 9 Mo	0.00%	0.00%	0.00%	1.00%	1.00%	1.00%	5.00%	4.00%
2023	3.50%	3.50%	3.50%	7.00%	7.00%	7.00%	5.00%	5.00%
2024	3.50%	3.50%	3.50%	6.00%	6.00%	6.00%	5.00%	6.00%
2025	3.50%	3.50%	3.50%	5.00%	5.00%	5.00%	5.00%	7.00%
2026	3.50%	3.50%	3.50%	5.00%	5.00%	5.00%	5.00%	6.00%
2027	3.50%	3.50%	3.50%	4.00%	4.00%	4.00%	5.00%	6.00%
2028	3.50%	3.50%	3.50%	4.00%	4.00%	4.00%	5.00%	6.00%
2029	3.50%	3.50%	3.50%	4.00%	4.00%	4.00%	5.00%	6.00%
2030	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2031	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2032	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2033	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2034	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2035	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2036	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2037	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2038	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2039	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2040	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2041	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2042	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2043	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2044	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2045	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2046	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2047	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2048	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2049	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2050	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2051	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2052	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2053	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2054	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2055	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2056	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2057	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2058	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2059	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2060	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2061	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2062	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2063	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2064	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2065	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2066	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2067	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2068	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2069	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2070	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2071	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%

Notes: (a) Based on long-term inflation and investment return assumptions selected based on a review of U.S. experience from 1929 to 2020.
(b) Sensitivity test to illustrate the potential impact of short term variability in the relationship of inflation and investment return.

Estimation of Outstanding Loss & ALAE Reserves - Excluding Parental Award and Death Benefit
After Estimated Inflation and Investment Income
Evaluated as of September 30, 2022

Alternative Inflation / Investment Rates

Prospective Inflation

Calendar Year	Prospective Inflation						Prospective Investment Returns	
	Current Assumptions (a)			Alternative - Short Term Increase (b)			Current (a) Assumptions	Short - Term Shock (b)
	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense	Nursing Care	Hospitals, Physicians & Drugs	All Other Expense - Excl. Parental Award & Burial Expense		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2072	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2073	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2074	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2075	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2076	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2077	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2078	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2079	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2080	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2081	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2082	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2083	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2084	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2085	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2086	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2087	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2088	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2089	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2090	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2091	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2092	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2093	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2094	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2095	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2096	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2097	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2098	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2099	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2100	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2101	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2102	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2103	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2104	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2105	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2106	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2107	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2108	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2109	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2110	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2111	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2112	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2113	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2114	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2115	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2116	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2117	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2118	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2119	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%
2120	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	5.00%	5.00%

Notes: (a) Based on long-term inflation and investment return assumptions selected based on a review of U.S. experience from 1929 to 2020.
(b) Sensitivity test to illustrate the potential impact of short term variability in the relationship of inflation and investment return.

Estimation of Outstanding Loss & ALAE Reserves
 Summary of Open (Reported and Unreported) Claim Counts by Claim Classification Category
 Evaluated as of September 30, 2022

By Claim Class Category - Excluding AAD and DA Claims

Birth Year	Open Accepted Claim Counts as of 9/30/2022 (a)			Estimated Unreported as of 9/30/2022 (b)			Estimate O/S Claim Counts as of 9/30/2022		
	Class A	Classes B, C, D & Blank	Combined (2) + (3)	Class A	Classes B, C, D & Blank	Combined (5) + (6)	Class A (2) + (5)	Classes B, C & D (3) + (6)	Combined (4) + (7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	1	2	3			0	1	2	3
1990	1	2	3			0	1	2	3
1991	1	3	4			0	1	3	4
1992	1	8	9			0	1	8	9
1993	2	5	7			0	2	5	7
1994	0	3	3			0	0	3	3
1995	0	5	5			0	0	5	5
1996	3	3	6			0	3	3	6
1997	1	7	8			0	1	7	8
1998	3	8	11			0	3	8	11
1999	2	1	3			0	2	1	3
2000	1	2	3			0	1	2	3
2001	2	2	4			0	2	2	4
2002	6	6	12			0	6	6	12
2003	1	2	3			0	1	2	3
2004	1	4	5			0	1	4	5
2005	4	3	7			0	4	3	7
2006	3	6	9			0	3	6	9
2007	5	2	7			0	5	2	7
2008	2	7	9			0	2	7	9
2009	4	6	10			0	4	6	10
2010	0	5	5			0	0	5	5
2011	3	7	10			0	3	7	10
2012	1	6	7			0	1	6	7
2013	5	2	7			0	5	2	7
2014	3	5	8			0	3	5	8
2015	6	8	14			0	6	8	14
2016	2	5	7	0.00	0.00	0.00	2.00	5.00	7.00
2017	4	8	12	0.33	0.68	1.00	4.33	8.68	13.00
2018	3	13	16	0.33	0.68	1.00	3.33	13.68	17.00
2019	3	7	10	0.65	1.35	2.00	3.65	8.35	12.00
2020	2	6	8	1.30	2.70	4.00	3.30	8.70	12.00
2021	0	2	2	2.93	6.08	9.00	2.93	8.08	11.00
2022 - 9 mo.	0	1	1	3.09	6.41	9.50	3.09	7.41	10.50
Totals:	76	162	238	8.61	17.89	26.50	84.61	179.89	264.50

Notes: (a) Based on claim count information provided by NICA and the classification assignment plan as shown in Section I, Exhibit III.

(b) Estimated unreported claim counts are based on analysis shown in Section VI. The estimates are shown in Section VI, Exhibit II, Columns (14) to (18).

Estimation of Outstanding Loss & Expense

Estimated Annual Payments By Class and Expense Category
2022 Level Incremental Payments

Age	Nursing Care		Hospital, Physicians & Drugs		All Other Expense Categories	
	Class A	Classes B, C & D	Class A	Classes B, C & D	Class A	Classes B, C & D
	(2)	(3)	(4)	(5)	(6)	(7)
1	95,263	63,559	22,773	11,542	6,726	5,024
2	95,263	63,559	22,773	11,542	24,383	17,584
3	95,263	63,559	22,773	11,542	24,383	17,584
4	95,263	63,559	22,773	11,542	24,383	17,584
5	95,263	63,559	22,773	11,542	24,383	17,584
6	95,263	63,559	22,773	11,542	24,383	17,584
7	95,263	63,559	22,773	11,542	24,383	17,584
8	95,263	63,559	22,773	11,542	24,383	17,584
9	95,263	63,559	22,773	11,542	24,383	17,584
10	147,658	105,932	13,013	11,542	28,587	21,980
11	147,658	105,932	13,013	11,542	28,587	21,980
12	147,658	105,932	13,013	11,542	28,587	21,980
13	147,658	105,932	13,013	11,542	28,587	21,980
14	147,658	105,932	13,013	11,542	28,587	21,980
15	147,658	105,932	13,013	11,542	28,587	21,980
16	147,658	105,932	13,013	11,542	28,587	21,980
17	147,658	105,932	13,013	11,542	28,587	21,980
18	147,658	105,932	13,013	11,542	28,587	21,980
19	147,658	105,932	13,013	11,542	28,587	21,980
20	190,526	121,065	13,013	12,824	33,632	25,120
21	190,526	121,065	13,013	12,824	33,632	25,120
22	190,526	121,065	13,013	12,824	33,632	25,120
23	190,526	121,065	13,013	12,824	33,632	25,120
24	190,526	121,065	13,013	12,824	33,632	25,120
25	209,579	133,171	13,065	12,875	36,995	27,632
26	209,579	133,171	13,325	13,132	36,995	27,632
27	209,579	133,171	13,638	13,440	36,995	27,632
28	209,579	133,171	14,145	13,940	36,995	27,632
29	209,579	133,171	14,562	14,350	36,995	27,632
30	209,579	133,171	14,770	14,555	36,995	27,632
31	209,579	133,171	15,082	14,863	36,995	27,632
32	209,579	133,171	15,395	15,171	36,995	27,632
33	209,579	133,171	15,590	15,363	36,995	27,632
34	209,579	133,171	15,798	15,568	36,995	27,632
35	209,579	133,171	15,902	15,671	36,995	27,632
36	209,579	133,171	16,006	15,774	36,995	27,632
37	209,579	133,171	16,110	15,876	36,995	27,632
38	209,579	133,171	16,214	15,979	36,995	27,632
39	209,579	133,171	16,423	16,184	36,995	27,632
40	209,579	133,171	16,631	16,389	36,995	27,632
41	209,579	133,171	16,943	16,697	36,995	27,632
42	209,579	133,171	17,242	16,992	36,995	27,632
43	209,579	133,171	17,659	17,402	36,995	27,632
44	209,579	133,171	18,179	17,915	36,995	27,632
45	209,579	133,171	18,791	18,518	36,995	27,632
46	209,579	133,171	19,520	19,236	36,995	27,632
47	209,579	133,171	20,340	20,044	36,995	27,632
48	209,579	133,171	21,277	20,967	36,995	27,632
49	209,579	133,171	22,200	21,878	36,995	27,632
50	209,579	133,171	23,242	22,904	36,995	27,632
51	209,579	133,171	24,270	23,917	36,995	27,632
52	209,579	133,171	25,402	25,033	36,995	27,632
53	209,579	133,171	26,547	26,161	36,995	27,632
54	209,579	133,171	27,783	27,379	36,995	27,632
55	209,579	133,171	29,019	28,598	36,995	27,632
56	209,579	133,171	30,360	29,919	36,995	27,632
57	209,579	133,171	31,713	31,252	36,995	27,632
58	209,579	133,171	33,158	32,676	36,995	27,632
59	209,579	133,171	33,873	33,381	36,995	27,632
60	209,579	133,171	35,318	34,805	36,995	27,632
61	209,579	133,171	36,567	36,036	36,995	27,632
62	209,579	133,171	37,387	36,844	36,995	27,632
63	209,579	133,171	38,415	37,857	36,995	27,632
64	209,579	133,171	39,039	38,472	36,995	27,632
65	209,579	133,171	39,039	38,472	36,995	27,632
66 & Over	209,579	133,171	39,039	38,472	36,995	27,632

Estimation of Outstanding Loss & Expense

Selected Current Level (Age 20 to 24) Average Annual Expense

Current Level =	2022		Hospital, Physicians & Drugs		All Other Expense Categories	
	Nursing Care					
Description	Class A	Classes B, C & D	Class A	Classes B, C & D	Class A	Classes B, C & D
(1)	(2)	(3)	(4)	(5)	(6)	(7)
----- Medicaid Claimants -----						
Best Estimate	200,000	132,500	13,250	13,000	36,000	26,000
----- Non - Medicaid Claimants -----						
Best Estimate	170,000	100,000	12,500	12,500	28,500	23,500
Open Claims - Medicaid	52	105				
Open Claims - Non - Medicaid	24	57				
Combined	76	162				
----- Combined -Medicaid and Non-Medicaid Claimants -----						
Best Estimate	190,526	121,065	13,013	12,824	33,632	25,120
Selected	190,526	121,065	13,013	12,824	33,632	25,120

Estimation of Outstanding Loss & Expense
 Adjustment in Annual Payments - Incremental
 Adjustment for Age and Class By Expense Category
 Relativity to Age 20 to 24

Factors Shown are Selected Based on an Averages
 of the Medicaid and Non-Medicaid Factors Shown in Sheet 5

Age	Nursing Care		Hospital, Physicians & Drugs		All Other Expense Categories	
	Class A	Classes B, C & D	Class A	Classes B, C & D	Class A	Classes B, C & D
	(2)	(3)	(4)	(5)	(6)	(7)
1	0.5000	0.5250	1.7500	0.9000	0.2000	0.2000
2	0.5000	0.5250	1.7500	0.9000	0.7250	0.7000
3	0.5000	0.5250	1.7500	0.9000	0.7250	0.7000
4	0.5000	0.5250	1.7500	0.9000	0.7250	0.7000
5	0.5000	0.5250	1.7500	0.9000	0.7250	0.7000
6	0.5000	0.5250	1.7500	0.9000	0.7250	0.7000
7	0.5000	0.5250	1.7500	0.9000	0.7250	0.7000
8	0.5000	0.5250	1.7500	0.9000	0.7250	0.7000
9	0.5000	0.5250	1.7500	0.9000	0.7250	0.7000
10	0.7750	0.8750	1.0000	0.9000	0.8500	0.8750
11	0.7750	0.8750	1.0000	0.9000	0.8500	0.8750
12	0.7750	0.8750	1.0000	0.9000	0.8500	0.8750
13	0.7750	0.8750	1.0000	0.9000	0.8500	0.8750
14	0.7750	0.8750	1.0000	0.9000	0.8500	0.8750
15	0.7750	0.8750	1.0000	0.9000	0.8500	0.8750
16	0.7750	0.8750	1.0000	0.9000	0.8500	0.8750
17	0.7750	0.8750	1.0000	0.9000	0.8500	0.8750
18	0.7750	0.8750	1.0000	0.9000	0.8500	0.8750
19	0.7750	0.8750	1.0000	0.9000	0.8500	0.8750
20	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
21	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
22	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
23	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
24	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25	1.1000	1.1000	1.0040	1.0040	1.1000	1.1000
26	1.1000	1.1000	1.0240	1.0240	1.1000	1.1000
27	1.1000	1.1000	1.0480	1.0480	1.1000	1.1000
28	1.1000	1.1000	1.0870	1.0870	1.1000	1.1000
29	1.1000	1.1000	1.1190	1.1190	1.1000	1.1000
30	1.1000	1.1000	1.1350	1.1350	1.1000	1.1000
31	1.1000	1.1000	1.1590	1.1590	1.1000	1.1000
32	1.1000	1.1000	1.1830	1.1830	1.1000	1.1000
33	1.1000	1.1000	1.1980	1.1980	1.1000	1.1000
34	1.1000	1.1000	1.2140	1.2140	1.1000	1.1000
35	1.1000	1.1000	1.2220	1.2220	1.1000	1.1000
36	1.1000	1.1000	1.2300	1.2300	1.1000	1.1000
37	1.1000	1.1000	1.2380	1.2380	1.1000	1.1000
38	1.1000	1.1000	1.2460	1.2460	1.1000	1.1000
39	1.1000	1.1000	1.2620	1.2620	1.1000	1.1000
40	1.1000	1.1000	1.2780	1.2780	1.1000	1.1000
41	1.1000	1.1000	1.3020	1.3020	1.1000	1.1000
42	1.1000	1.1000	1.3250	1.3250	1.1000	1.1000
43	1.1000	1.1000	1.3570	1.3570	1.1000	1.1000
44	1.1000	1.1000	1.3970	1.3970	1.1000	1.1000
45	1.1000	1.1000	1.4440	1.4440	1.1000	1.1000
46	1.1000	1.1000	1.5000	1.5000	1.1000	1.1000
47	1.1000	1.1000	1.5630	1.5630	1.1000	1.1000
48	1.1000	1.1000	1.6350	1.6350	1.1000	1.1000
49	1.1000	1.1000	1.7060	1.7060	1.1000	1.1000
50	1.1000	1.1000	1.7860	1.7860	1.1000	1.1000
51	1.1000	1.1000	1.8650	1.8650	1.1000	1.1000
52	1.1000	1.1000	1.9520	1.9520	1.1000	1.1000
53	1.1000	1.1000	2.0400	2.0400	1.1000	1.1000
54	1.1000	1.1000	2.1350	2.1350	1.1000	1.1000
55	1.1000	1.1000	2.2300	2.2300	1.1000	1.1000
56	1.1000	1.1000	2.3330	2.3330	1.1000	1.1000
57	1.1000	1.1000	2.4370	2.4370	1.1000	1.1000
58	1.1000	1.1000	2.5480	2.5480	1.1000	1.1000
59	1.1000	1.1000	2.6030	2.6030	1.1000	1.1000
60	1.1000	1.1000	2.7140	2.7140	1.1000	1.1000
61	1.1000	1.1000	2.8100	2.8100	1.1000	1.1000
62	1.1000	1.1000	2.8730	2.8730	1.1000	1.1000
63	1.1000	1.1000	2.9520	2.9520	1.1000	1.1000
64	1.1000	1.1000	3.0000	3.0000	1.1000	1.1000
65	1.1000	1.1000	3.0000	3.0000	1.1000	1.1000
66 & Over	1.1000	1.1000	3.0000	3.0000	1.1000	1.1000

Estimation of Outstanding Loss & ALAE Reserves - Excluding Parental Award and Burial Expense
Summary of Selected Annual Loss & ALAE Payment Assumptions (a)
Current Level (2022)

Age Range	Nursing Care			Physician, Hospital, Drugs and Therapy			All Other Expenses - Excl. Parental Award		
	NICA Payments Only		NICA & Medicaid Payments	NICA Payments Only		NICA & Medicaid Payments	NICA Payments Only		NICA & Medicaid Payments
	Non Medicaid Claimants	Medicaid Claimants	Medicaid Claimants	Non Medicaid Claimants	Medicaid Claimants	Medicaid Claimants	Non Medicaid Claimants	Medicaid Claimants	Medicaid Claimants
	Class A			Class A			Class A		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1 to 9	73,754	44,945	82,477	10,090	2,735	49,441	16,170	6,805	29,366
10 to 19	113,034	83,894	125,237	11,862	5,095	18,231	24,311	15,205	20,868
20 to 24	137,613	95,465	172,674	6,108	7,477	18,307	14,821	19,408	43,269
25 to 30	163,919	109,945	113,465	8,140	6,308	17,983	22,210	7,604	26,743
Selected Age 20 - 24	Adjusted for Change in Hourly Rate from 15.00 to 17.32								
	170,000	120,000	200,000	12,500	10,000	13,250	28,500	17,500	36,000
Selected Relativity									
1 to 9	0.500	0.600	0.500	1.000	0.500	2.500	0.750	0.500	0.700
10 to 19	0.800	0.850	0.750	1.000	0.750	1.000	1.000	0.800	0.700
20 to 24	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
25 to 30	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100
	Classes B, C & D			Classes B, C & D			Classes B, C & D		
	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
1 to 9	50,231	34,149	31,105	6,266	3,501	13,514	9,293	7,117	15,570
10 to 19	74,903	85,061	89,385	3,749	3,619	13,627	13,215	12,556	17,252
20 to 24	84,906	108,765	99,975	7,551	5,145	7,029	15,896	13,676	20,986
25 to 30	77,007	89,405	80,591	10,969	5,912	15,438	11,912	16,665	20,220
Selected Age 20 - 24	Adjusted for Change in Hourly Rate from 15.00 to 17.32								
	100,000	125,000	132,500	12,500	6,500	13,000	23,500	15,000	26,000
Selected Relativity									
1 to 9	0.650	0.500	0.400	0.800	0.600	1.000	0.650	0.500	0.750
10 to 19	0.900	0.850	0.850	0.800	0.750	1.000	0.900	0.900	0.850
20 to 24	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
25 to 30	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100

Notes: (a) Selected average incremental payment amounts by category (age 20 to 24) and relativity factors for the various age intervals are based on the review of NICA and Medicaid annual payments over the period from 2013 to 2020 for each open accepted claim with a reserve worksheet.

Estimation of Remaining Open Claim Counts - By Year End

Class A

Based on Mortality Tables Shown in Section VIII

Calendar Year	BY 1989	BY 1990	BY 1991	BY 1992	BY 1993	BY 1994	BY 1995	BY 1996	BY 1997	BY 1998	BY 1999
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
9/30/22	1.000	1.000	1.000	1.000	2.000	0.000	0.000	3.000	1.000	3.000	2.000
2022	0.953	0.954	0.955	0.956	1.913	0.000	0.000	2.876	0.959	2.879	1.921
2023	0.908	0.909	0.911	0.912	1.828	0.000	0.000	2.754	0.919	2.762	1.843
2024	0.863	0.866	0.868	0.871	1.745	0.000	0.000	2.636	0.881	2.647	1.768
2025	0.821	0.824	0.827	0.830	1.665	0.000	0.000	2.522	0.843	2.535	1.695
2026	0.779	0.783	0.787	0.790	1.587	0.000	0.000	2.410	0.806	2.427	1.623
2027	0.739	0.743	0.747	0.752	1.511	0.000	0.000	2.301	0.770	2.321	1.554
2028	0.700	0.705	0.710	0.714	1.438	0.000	0.000	2.195	0.736	2.218	1.486
2029	0.662	0.667	0.673	0.678	1.366	0.000	0.000	2.092	0.702	2.118	1.420
2030	0.625	0.631	0.637	0.643	1.297	0.000	0.000	1.992	0.669	2.021	1.356
2031	0.590	0.597	0.603	0.609	1.230	0.000	0.000	1.895	0.637	1.926	1.294
2032	0.556	0.563	0.570	0.576	1.165	0.000	0.000	1.801	0.606	1.834	1.233
2033	0.523	0.530	0.537	0.544	1.102	0.000	0.000	1.710	0.576	1.745	1.174
2034	0.491	0.499	0.506	0.514	1.041	0.000	0.000	1.621	0.547	1.658	1.117
2035	0.460	0.468	0.476	0.484	0.982	0.000	0.000	1.536	0.518	1.574	1.061
2036	0.430	0.439	0.447	0.455	0.925	0.000	0.000	1.453	0.491	1.493	1.008
2037	0.402	0.411	0.419	0.427	0.870	0.000	0.000	1.373	0.464	1.414	0.956
2038	0.374	0.383	0.392	0.400	0.817	0.000	0.000	1.295	0.439	1.337	0.905
2039	0.348	0.357	0.366	0.375	0.766	0.000	0.000	1.220	0.414	1.263	0.856
2040	0.322	0.332	0.341	0.350	0.717	0.000	0.000	1.147	0.390	1.192	0.809
2041	0.298	0.308	0.317	0.326	0.669	0.000	0.000	1.077	0.367	1.123	0.763
2042	0.275	0.284	0.294	0.303	0.623	0.000	0.000	1.010	0.344	1.056	0.719
2043	0.253	0.262	0.272	0.281	0.579	0.000	0.000	0.945	0.323	0.992	0.676
2044	0.232	0.241	0.250	0.260	0.537	0.000	0.000	0.882	0.302	0.929	0.635
2045	0.212	0.221	0.230	0.239	0.496	0.000	0.000	0.821	0.282	0.869	0.595
2046	0.193	0.202	0.211	0.220	0.458	0.000	0.000	0.763	0.263	0.812	0.557
2047	0.175	0.184	0.193	0.202	0.421	0.000	0.000	0.708	0.244	0.756	0.520
2048	0.158	0.167	0.175	0.184	0.386	0.000	0.000	0.654	0.226	0.703	0.484
2049	0.142	0.150	0.159	0.168	0.352	0.000	0.000	0.603	0.209	0.651	0.450
2050	0.127	0.135	0.144	0.152	0.321	0.000	0.000	0.555	0.193	0.602	0.417
2051	0.113	0.121	0.129	0.137	0.291	0.000	0.000	0.508	0.177	0.555	0.386
2052	0.100	0.108	0.115	0.123	0.262	0.000	0.000	0.464	0.163	0.511	0.356
2053	0.088	0.095	0.103	0.110	0.236	0.000	0.000	0.423	0.148	0.468	0.327
2054	0.077	0.084	0.091	0.098	0.211	0.000	0.000	0.383	0.135	0.427	0.300
2055	0.067	0.073	0.080	0.087	0.188	0.000	0.000	0.346	0.123	0.389	0.274
2056	0.058	0.064	0.070	0.077	0.166	0.000	0.000	0.311	0.111	0.353	0.249
2057	0.049	0.055	0.061	0.067	0.146	0.000	0.000	0.278	0.099	0.318	0.226
2058	0.042	0.047	0.052	0.058	0.128	0.000	0.000	0.248	0.089	0.286	0.204
2059	0.035	0.040	0.045	0.050	0.111	0.000	0.000	0.219	0.079	0.256	0.183
2060	0.029	0.034	0.038	0.043	0.096	0.000	0.000	0.193	0.070	0.228	0.164
2061	0.024	0.028	0.032	0.036	0.082	0.000	0.000	0.169	0.062	0.202	0.146
2062	0.020	0.023	0.027	0.031	0.070	0.000	0.000	0.147	0.054	0.178	0.129
2063	0.016	0.019	0.022	0.025	0.059	0.000	0.000	0.126	0.047	0.155	0.114
2064	0.012	0.015	0.018	0.021	0.049	0.000	0.000	0.108	0.040	0.135	0.099
2065	0.010	0.012	0.014	0.017	0.040	0.000	0.000	0.092	0.035	0.116	0.086
2066	0.007	0.009	0.011	0.014	0.033	0.000	0.000	0.077	0.029	0.100	0.074
2067	0.006	0.007	0.009	0.011	0.026	0.000	0.000	0.064	0.025	0.084	0.064
2068	0.004	0.005	0.007	0.008	0.021	0.000	0.000	0.053	0.021	0.071	0.054
2069	0.003	0.004	0.005	0.006	0.016	0.000	0.000	0.043	0.017	0.059	0.045
2070	0.002	0.003	0.004	0.005	0.012	0.000	0.000	0.035	0.014	0.049	0.038
2071	0.001	0.002	0.003	0.004	0.009	0.000	0.000	0.027	0.011	0.040	0.031

Estimation of Remaining Open Claim Counts - By Year End

Class A

Based on Mortality Tables Shown in Section VIII

Calendar Year	BY 2000	BY 2001	BY 2002	BY 2003	BY 2004	BY 2005	BY 2006	BY 2007	BY 2008	BY 2009	BY 2010
(1)	(13)	(14)	(15)	(16)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
9/30/22	1.000	2.000	6.000	1.000	1.000	4.000	3.000	5.000	2.000	4.000	0.000
2022	0.961	1.923	5.772	0.963	0.963	3.854	2.893	4.825	1.931	3.865	0.000
2023	0.923	1.848	5.549	0.926	0.927	3.712	2.787	4.652	1.864	3.733	0.000
2024	0.886	1.774	5.332	0.890	0.892	3.573	2.684	4.483	1.797	3.602	0.000
2025	0.849	1.703	5.120	0.855	0.857	3.437	2.584	4.317	1.732	3.473	0.000
2026	0.814	1.633	4.914	0.821	0.824	3.304	2.486	4.155	1.668	3.347	0.000
2027	0.780	1.565	4.713	0.788	0.791	3.175	2.390	3.997	1.605	3.223	0.000
2028	0.746	1.500	4.518	0.756	0.759	3.049	2.296	3.843	1.544	3.102	0.000
2029	0.714	1.435	4.328	0.725	0.728	2.926	2.205	3.693	1.485	2.984	0.000
2030	0.682	1.373	4.142	0.694	0.698	2.807	2.116	3.546	1.426	2.869	0.000
2031	0.651	1.312	3.962	0.664	0.669	2.690	2.030	3.403	1.370	2.757	0.000
2032	0.621	1.253	3.786	0.636	0.640	2.577	1.946	3.264	1.315	2.647	0.000
2033	0.592	1.195	3.615	0.607	0.612	2.467	1.864	3.129	1.261	2.541	0.000
2034	0.564	1.139	3.449	0.580	0.585	2.359	1.784	2.997	1.209	2.437	0.000
2035	0.537	1.085	3.287	0.553	0.558	2.254	1.706	2.869	1.158	2.336	0.000
2036	0.510	1.032	3.130	0.527	0.533	2.153	1.630	2.744	1.108	2.237	0.000
2037	0.484	0.981	2.978	0.502	0.508	2.054	1.557	2.622	1.060	2.142	0.000
2038	0.459	0.931	2.830	0.478	0.484	1.957	1.485	2.504	1.013	2.048	0.000
2039	0.435	0.883	2.686	0.454	0.460	1.864	1.416	2.388	0.967	1.957	0.000
2040	0.411	0.836	2.548	0.431	0.437	1.773	1.348	2.277	0.923	1.869	0.000
2041	0.389	0.791	2.413	0.409	0.415	1.685	1.282	2.168	0.879	1.783	0.000
2042	0.367	0.747	2.283	0.387	0.394	1.600	1.219	2.062	0.837	1.699	0.000
2043	0.345	0.705	2.156	0.366	0.373	1.517	1.157	1.960	0.797	1.618	0.000
2044	0.325	0.664	2.034	0.346	0.353	1.437	1.097	1.861	0.757	1.540	0.000
2045	0.305	0.625	1.916	0.326	0.333	1.359	1.039	1.764	0.719	1.463	0.000
2046	0.286	0.586	1.803	0.307	0.314	1.284	0.983	1.671	0.681	1.389	0.000
2047	0.267	0.550	1.692	0.289	0.296	1.211	0.929	1.581	0.645	1.317	0.000
2048	0.250	0.514	1.586	0.272	0.278	1.141	0.876	1.493	0.611	1.247	0.000
2049	0.233	0.480	1.484	0.254	0.261	1.073	0.825	1.409	0.577	1.180	0.000
2050	0.216	0.447	1.385	0.238	0.245	1.008	0.776	1.327	0.544	1.115	0.000
2051	0.200	0.416	1.291	0.222	0.229	0.945	0.729	1.248	0.513	1.052	0.000
2052	0.185	0.385	1.199	0.207	0.214	0.884	0.683	1.172	0.482	0.991	0.000
2053	0.171	0.356	1.112	0.192	0.199	0.825	0.639	1.099	0.453	0.932	0.000
2054	0.157	0.329	1.028	0.178	0.185	0.768	0.597	1.028	0.424	0.875	0.000
2055	0.144	0.302	0.948	0.165	0.172	0.714	0.556	0.960	0.397	0.820	0.000
2056	0.131	0.277	0.872	0.152	0.159	0.662	0.517	0.894	0.371	0.767	0.000
2057	0.120	0.253	0.799	0.140	0.146	0.612	0.479	0.831	0.345	0.716	0.000
2058	0.108	0.230	0.730	0.128	0.135	0.565	0.443	0.770	0.321	0.667	0.000
2059	0.098	0.209	0.664	0.117	0.123	0.519	0.408	0.712	0.297	0.620	0.000
2060	0.088	0.188	0.602	0.107	0.113	0.476	0.375	0.657	0.275	0.575	0.000
2061	0.079	0.169	0.544	0.097	0.103	0.434	0.344	0.604	0.254	0.532	0.000
2062	0.070	0.152	0.489	0.087	0.093	0.395	0.314	0.553	0.233	0.490	0.000
2063	0.062	0.135	0.437	0.078	0.084	0.358	0.286	0.505	0.214	0.451	0.000
2064	0.055	0.119	0.389	0.070	0.075	0.324	0.259	0.460	0.195	0.413	0.000
2065	0.048	0.105	0.345	0.062	0.068	0.291	0.234	0.417	0.178	0.377	0.000
2066	0.042	0.092	0.303	0.055	0.060	0.260	0.210	0.376	0.161	0.343	0.000
2067	0.036	0.080	0.265	0.049	0.053	0.232	0.188	0.338	0.145	0.311	0.000
2068	0.031	0.069	0.230	0.043	0.047	0.205	0.168	0.303	0.131	0.281	0.000
2069	0.026	0.059	0.199	0.037	0.041	0.181	0.148	0.270	0.117	0.253	0.000
2070	0.022	0.050	0.170	0.032	0.036	0.158	0.131	0.239	0.104	0.226	0.000
2071	0.018	0.042	0.144	0.027	0.031	0.137	0.114	0.210	0.092	0.201	0.000

Estimation of Remaining Open Claim Counts - By Year End

Class A

Based on Mortality Tables Shown in Section VIII

Calendar Year	BY 2011	BY 2012	BY 2013	BY 2014	BY 2015	BY 2016	BY 2017	BY 2018	BY 2019	BY 2020	BY 2021	BY 2022 - 9
(1)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)
9/30/22	3.000	1.000	5.000	3.000	6.000	2.000	4.325	3.325	3.650	3.300	2.925	3.088
2022	2.902	0.968	4.842	2.907	5.816	1.939	4.196	3.227	3.543	3.205	2.841	2.973
2023	2.806	0.936	4.687	2.815	5.635	1.880	4.069	3.131	3.439	3.111	2.759	2.887
2024	2.712	0.906	4.535	2.725	5.457	1.821	3.944	3.036	3.336	3.019	2.678	2.804
2025	2.619	0.875	4.385	2.636	5.282	1.764	3.821	2.943	3.235	2.929	2.599	2.722
2026	2.527	0.845	4.237	2.549	5.110	1.707	3.700	2.851	3.136	2.840	2.522	2.642
2027	2.437	0.815	4.092	2.463	4.941	1.652	3.582	2.761	3.038	2.753	2.445	2.563
2028	2.348	0.786	3.948	2.379	4.775	1.597	3.465	2.673	2.942	2.668	2.370	2.485
2029	2.261	0.758	3.807	2.295	4.611	1.543	3.351	2.586	2.848	2.583	2.296	2.409
2030	2.176	0.730	3.668	2.213	4.449	1.490	3.238	2.500	2.756	2.501	2.224	2.334
2031	2.094	0.702	3.533	2.133	4.290	1.438	3.127	2.416	2.664	2.419	2.153	2.260
2032	2.013	0.676	3.400	2.054	4.134	1.387	3.017	2.333	2.575	2.339	2.083	2.188
2033	1.934	0.650	3.271	1.977	3.981	1.336	2.909	2.251	2.486	2.261	2.014	2.117
2034	1.857	0.624	3.145	1.902	3.832	1.287	2.803	2.171	2.399	2.183	1.946	2.047
2035	1.783	0.599	3.022	1.828	3.686	1.239	2.700	2.092	2.313	2.106	1.879	1.978
2036	1.710	0.575	2.902	1.757	3.544	1.192	2.599	2.014	2.229	2.031	1.813	1.910
2037	1.639	0.552	2.785	1.687	3.406	1.146	2.500	1.939	2.147	1.957	1.749	1.843
2038	1.570	0.529	2.671	1.619	3.270	1.101	2.403	1.865	2.066	1.885	1.685	1.777
2039	1.503	0.507	2.561	1.553	3.139	1.057	2.309	1.793	1.988	1.814	1.623	1.712
2040	1.437	0.485	2.453	1.488	3.010	1.015	2.218	1.723	1.911	1.745	1.562	1.649
2041	1.373	0.464	2.348	1.426	2.886	0.973	2.128	1.655	1.836	1.678	1.502	1.587
2042	1.311	0.443	2.245	1.365	2.764	0.933	2.041	1.588	1.763	1.612	1.444	1.527
2043	1.251	0.423	2.146	1.305	2.646	0.893	1.957	1.523	1.692	1.548	1.388	1.468
2044	1.192	0.404	2.049	1.247	2.530	0.855	1.874	1.460	1.623	1.486	1.333	1.411
2045	1.135	0.385	1.954	1.191	2.418	0.818	1.794	1.398	1.556	1.425	1.279	1.355
2046	1.080	0.366	1.863	1.136	2.309	0.782	1.716	1.339	1.490	1.366	1.227	1.300
2047	1.027	0.349	1.774	1.083	2.203	0.746	1.640	1.280	1.427	1.309	1.176	1.247
2048	0.975	0.331	1.688	1.031	2.099	0.712	1.566	1.223	1.364	1.252	1.126	1.195
2049	0.924	0.314	1.604	0.981	1.999	0.679	1.494	1.168	1.304	1.198	1.078	1.145
2050	0.875	0.298	1.523	0.932	1.902	0.646	1.424	1.114	1.245	1.145	1.031	1.096
2051	0.828	0.282	1.444	0.885	1.807	0.615	1.356	1.062	1.188	1.093	0.985	1.048
2052	0.782	0.267	1.367	0.839	1.716	0.584	1.290	1.012	1.132	1.043	0.941	1.002
2053	0.738	0.252	1.294	0.795	1.627	0.555	1.226	0.962	1.078	0.994	0.898	0.956
2054	0.695	0.238	1.222	0.752	1.541	0.526	1.164	0.914	1.026	0.946	0.856	0.912
2055	0.654	0.224	1.153	0.710	1.458	0.498	1.103	0.868	0.975	0.900	0.815	0.870
2056	0.614	0.211	1.086	0.670	1.377	0.471	1.045	0.823	0.925	0.856	0.775	0.828
2057	0.575	0.198	1.022	0.631	1.299	0.445	0.989	0.780	0.877	0.812	0.737	0.788
2058	0.538	0.186	0.959	0.594	1.224	0.420	0.934	0.738	0.831	0.770	0.699	0.749
2059	0.503	0.174	0.899	0.558	1.151	0.396	0.881	0.697	0.786	0.730	0.663	0.711
2060	0.468	0.162	0.841	0.523	1.081	0.372	0.830	0.657	0.743	0.690	0.628	0.674
2061	0.435	0.151	0.785	0.489	1.013	0.349	0.781	0.619	0.701	0.652	0.594	0.638
2062	0.403	0.140	0.731	0.456	0.948	0.328	0.733	0.582	0.660	0.615	0.561	0.604
2063	0.373	0.130	0.680	0.425	0.885	0.306	0.687	0.547	0.621	0.579	0.530	0.570
2064	0.344	0.120	0.630	0.395	0.824	0.286	0.643	0.513	0.583	0.545	0.499	0.538
2065	0.316	0.111	0.583	0.366	0.766	0.266	0.600	0.480	0.546	0.512	0.469	0.507
2066	0.290	0.102	0.537	0.339	0.710	0.248	0.559	0.448	0.511	0.480	0.441	0.477
2067	0.265	0.093	0.494	0.312	0.657	0.230	0.519	0.417	0.477	0.449	0.413	0.448
2068	0.241	0.085	0.453	0.287	0.606	0.212	0.482	0.388	0.444	0.419	0.386	0.420
2069	0.218	0.078	0.414	0.263	0.557	0.196	0.445	0.359	0.413	0.390	0.361	0.393
2070	0.197	0.070	0.376	0.240	0.510	0.180	0.411	0.332	0.383	0.363	0.336	0.367
2071	0.177	0.064	0.341	0.219	0.466	0.165	0.378	0.306	0.354	0.336	0.312	0.341

Estimation of Remaining Open Claim Counts - By Year End

Classes B, C & D

Based on Mortality Tables Shown in Section VIII

Calendar Year	BY 1989	BY 1990	BY 1991	BY 1992	BY 1993	BY 1994	BY 1995	BY 1996	BY 1997	BY 1998	BY 1999
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
9/30/22	2.000	2.000	3.000	8.000	5.000	3.000	5.000	3.000	7.000	8.000	1.000
2022	1.981	1.982	2.973	7.930	4.957	2.975	4.959	2.976	6.944	7.937	0.992
2023	1.962	1.963	2.946	7.859	4.914	2.949	4.917	2.951	6.888	7.874	0.984
2024	1.943	1.944	2.918	7.787	4.870	2.924	4.875	2.927	6.832	7.811	0.977
2025	1.924	1.925	2.891	7.715	4.825	2.898	4.833	2.902	6.775	7.746	0.969
2026	1.904	1.906	2.862	7.641	4.780	2.871	4.790	2.876	6.717	7.682	0.961
2027	1.884	1.887	2.834	7.566	4.735	2.844	4.746	2.851	6.658	7.616	0.953
2028	1.864	1.867	2.805	7.491	4.689	2.817	4.701	2.825	6.598	7.549	0.945
2029	1.843	1.847	2.775	7.414	4.642	2.790	4.657	2.798	6.538	7.482	0.936
2030	1.823	1.827	2.746	7.336	4.594	2.762	4.611	2.771	6.477	7.413	0.928
2031	1.801	1.806	2.715	7.258	4.546	2.733	4.565	2.744	6.415	7.344	0.920
2032	1.780	1.785	2.685	7.178	4.497	2.705	4.518	2.717	6.353	7.274	0.911
2033	1.758	1.763	2.653	7.096	4.448	2.676	4.471	2.689	6.289	7.203	0.902
2034	1.735	1.742	2.622	7.014	4.397	2.646	4.423	2.661	6.225	7.131	0.893
2035	1.712	1.719	2.589	6.930	4.346	2.616	4.374	2.632	6.159	7.058	0.884
2036	1.688	1.696	2.556	6.844	4.294	2.586	4.325	2.603	6.093	6.984	0.875
2037	1.664	1.673	2.522	6.756	4.241	2.555	4.274	2.574	6.026	6.909	0.866
2038	1.639	1.649	2.487	6.666	4.186	2.523	4.223	2.544	5.958	6.833	0.857
2039	1.613	1.624	2.451	6.574	4.131	2.491	4.171	2.513	5.889	6.756	0.848
2040	1.586	1.598	2.414	6.479	4.073	2.458	4.117	2.482	5.818	6.677	0.838
2041	1.559	1.572	2.376	6.381	4.015	2.424	4.062	2.450	5.746	6.597	0.828
2042	1.531	1.545	2.337	6.281	3.954	2.389	4.006	2.418	5.672	6.515	0.818
2043	1.502	1.517	2.296	6.177	3.892	2.353	3.948	2.384	5.596	6.431	0.808
2044	1.472	1.488	2.255	6.070	3.828	2.316	3.889	2.350	5.519	6.346	0.798
2045	1.441	1.458	2.212	5.960	3.761	2.277	3.828	2.314	5.439	6.258	0.787
2046	1.409	1.427	2.168	5.847	3.693	2.238	3.764	2.278	5.358	6.168	0.776
2047	1.376	1.396	2.122	5.730	3.623	2.197	3.699	2.240	5.273	6.075	0.765
2048	1.342	1.363	2.075	5.609	3.551	2.156	3.632	2.202	5.186	5.979	0.753
2049	1.307	1.330	2.026	5.485	3.476	2.112	3.563	2.162	5.096	5.880	0.742
2050	1.271	1.295	1.976	5.357	3.399	2.068	3.492	2.121	5.004	5.779	0.729
2051	1.234	1.259	1.925	5.224	3.319	2.022	3.418	2.078	4.909	5.674	0.717
2052	1.195	1.222	1.872	5.088	3.237	1.975	3.343	2.034	4.811	5.566	0.704
2053	1.156	1.184	1.817	4.948	3.153	1.926	3.264	1.989	4.709	5.455	0.690
2054	1.115	1.145	1.761	4.803	3.066	1.876	3.184	1.943	4.605	5.340	0.677
2055	1.074	1.105	1.703	4.654	2.976	1.824	3.101	1.895	4.497	5.222	0.662
2056	1.031	1.064	1.643	4.501	2.884	1.771	3.015	1.846	4.386	5.099	0.648
2057	0.988	1.022	1.582	4.343	2.789	1.716	2.927	1.795	4.272	4.974	0.632
2058	0.943	0.979	1.519	4.180	2.691	1.659	2.836	1.742	4.154	4.844	0.617
2059	0.899	0.935	1.455	4.014	2.590	1.601	2.743	1.688	4.033	4.710	0.601
2060	0.853	0.890	1.390	3.845	2.488	1.541	2.647	1.632	3.908	4.573	0.584
2061	0.807	0.845	1.324	3.673	2.383	1.480	2.548	1.575	3.779	4.431	0.567
2062	0.760	0.800	1.257	3.499	2.276	1.418	2.447	1.516	3.646	4.285	0.550
2063	0.714	0.754	1.189	3.322	2.168	1.354	2.343	1.456	3.510	4.134	0.531
2064	0.666	0.707	1.120	3.142	2.058	1.290	2.239	1.395	3.370	3.980	0.513
2065	0.619	0.660	1.051	2.961	1.947	1.225	2.132	1.332	3.228	3.822	0.494
2066	0.572	0.613	0.981	2.778	1.835	1.159	2.024	1.269	3.084	3.661	0.474
2067	0.525	0.567	0.912	2.594	1.722	1.092	1.915	1.205	2.937	3.497	0.454
2068	0.479	0.520	0.842	2.410	1.608	1.024	1.805	1.140	2.789	3.331	0.434
2069	0.434	0.474	0.773	2.226	1.493	0.957	1.693	1.074	2.638	3.162	0.413
2070	0.390	0.430	0.705	2.044	1.380	0.889	1.581	1.008	2.486	2.991	0.392
2071	0.347	0.386	0.639	1.865	1.267	0.821	1.469	0.941	2.333	2.819	0.371

Classes B, C & D

Based on Mortality Tables Shown in Section VIII

Calendar Year	BY 1989	BY 1990	BY 1991	BY 1992	BY 1993	BY 1994	BY 1995	BY 1996	BY 1997	BY 1998	BY 1999
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
2072	0.306	0.344	0.574	1.688	1.155	0.754	1.357	0.874	2.178	2.645	0.350
2073	0.267	0.303	0.511	1.517	1.046	0.687	1.246	0.807	2.023	2.470	0.328
2074	0.230	0.264	0.451	1.351	0.940	0.623	1.136	0.741	1.869	2.294	0.306
2075	0.196	0.228	0.393	1.191	0.837	0.559	1.029	0.676	1.716	2.119	0.285
2076	0.165	0.194	0.339	1.039	0.738	0.498	0.924	0.612	1.565	1.946	0.263
2077	0.136	0.163	0.289	0.896	0.644	0.439	0.823	0.550	1.418	1.775	0.241
2078	0.111	0.135	0.242	0.763	0.555	0.383	0.726	0.490	1.274	1.607	0.220
2079	0.088	0.110	0.200	0.641	0.473	0.330	0.633	0.432	1.134	1.444	0.199
2080	0.069	0.088	0.163	0.530	0.397	0.281	0.546	0.377	1.000	1.286	0.179
2081	0.053	0.069	0.130	0.431	0.328	0.236	0.465	0.325	0.873	1.134	0.159
2082	0.040	0.053	0.102	0.344	0.267	0.195	0.390	0.277	0.752	0.989	0.141
2083	0.029	0.039	0.078	0.270	0.213	0.159	0.323	0.232	0.641	0.853	0.123
2084	0.021	0.029	0.059	0.207	0.167	0.127	0.263	0.192	0.538	0.726	0.106
2085	0.012	0.020	0.043	0.155	0.128	0.099	0.210	0.156	0.445	0.610	0.090
2086	0.007	0.012	0.030	0.113	0.096	0.076	0.164	0.125	0.362	0.504	0.076
2087	0.004	0.007	0.018	0.080	0.070	0.057	0.126	0.098	0.289	0.410	0.063
2088	0.002	0.004	0.010	0.048	0.050	0.042	0.094	0.075	0.226	0.328	0.051
2089	0.001	0.002	0.006	0.027	0.030	0.030	0.069	0.056	0.173	0.257	0.041
2090	0.001	0.001	0.003	0.015	0.017	0.018	0.049	0.041	0.130	0.197	0.032
2091	0.001	0.001	0.001	0.007	0.009	0.010	0.029	0.029	0.095	0.147	0.024
2092	0.001	0.001	0.001	0.004	0.005	0.005	0.016	0.017	0.068	0.108	0.018
2093	0.001	0.001	0.001	0.004	0.002	0.003	0.009	0.010	0.040	0.077	0.013
2094	0.001	0.001	0.001	0.004	0.002	0.001	0.005	0.005	0.023	0.045	0.009
2095	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.003	0.012	0.026	0.006
2096	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.006	0.014	0.003
2097	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.007	0.002
2098	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.001
2099	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2100	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2101	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2102	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2103	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2104	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2105	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2106	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2107	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2108	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2109	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2110	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2111	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2112	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2113	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2114	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2115	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2116	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2117	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2118	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2119	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000
2120	0.001	0.001	0.001	0.004	0.002	0.001	0.002	0.001	0.003	0.003	0.000

Estimation of Remaining Open Claim Counts - By Year End

Classes B, C & D

Based on Mortality Tables Shown in Section VIII

Calendar Year	BY 2000	BY 2001	BY 2002	BY 2003	BY 2004	BY 2005	BY 2006	BY 2007	BY 2008	BY 2009	BY 2010
(1)	(13)	(14)	(15)	(16)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
9/30/22	2.000	2.000	6.000	2.000	4.000	3.000	6.000	2.000	7.000	6.000	5.000
2022	1.985	1.985	5.956	1.986	3.972	2.979	5.960	1.987	6.956	5.964	4.971
2023	1.969	1.970	5.911	1.971	3.943	2.958	5.918	1.974	6.911	5.926	4.941
2024	1.954	1.955	5.866	1.956	3.914	2.937	5.876	1.960	6.864	5.888	4.910
2025	1.938	1.939	5.821	1.941	3.885	2.915	5.834	1.946	6.817	5.848	4.878
2026	1.923	1.924	5.775	1.926	3.855	2.893	5.791	1.932	6.768	5.808	4.845
2027	1.907	1.908	5.729	1.911	3.825	2.871	5.747	1.918	6.719	5.766	4.811
2028	1.891	1.893	5.683	1.896	3.795	2.849	5.704	1.903	6.670	5.725	4.777
2029	1.875	1.877	5.636	1.881	3.765	2.827	5.659	1.889	6.620	5.683	4.743
2030	1.858	1.861	5.589	1.865	3.734	2.804	5.615	1.874	6.569	5.640	4.708
2031	1.842	1.845	5.541	1.850	3.704	2.781	5.570	1.859	6.519	5.597	4.672
2032	1.825	1.828	5.493	1.834	3.673	2.759	5.525	1.845	6.467	5.554	4.637
2033	1.808	1.811	5.444	1.818	3.641	2.735	5.480	1.830	6.416	5.510	4.601
2034	1.791	1.794	5.394	1.801	3.610	2.712	5.434	1.815	6.364	5.466	4.565
2035	1.773	1.777	5.344	1.785	3.577	2.688	5.388	1.800	6.312	5.422	4.529
2036	1.755	1.760	5.293	1.768	3.545	2.664	5.341	1.784	6.259	5.378	4.492
2037	1.738	1.742	5.241	1.751	3.512	2.640	5.293	1.769	6.206	5.333	4.455
2038	1.719	1.724	5.189	1.734	3.478	2.615	5.244	1.753	6.151	5.287	4.418
2039	1.701	1.706	5.135	1.717	3.444	2.590	5.195	1.737	6.096	5.241	4.380
2040	1.682	1.688	5.082	1.699	3.410	2.565	5.146	1.721	6.041	5.194	4.342
2041	1.663	1.670	5.027	1.682	3.375	2.539	5.096	1.704	5.984	5.146	4.303
2042	1.644	1.651	4.972	1.664	3.339	2.513	5.045	1.688	5.927	5.098	4.264
2043	1.624	1.631	4.915	1.645	3.303	2.487	4.993	1.671	5.869	5.050	4.224
2044	1.604	1.612	4.858	1.627	3.267	2.460	4.941	1.654	5.811	5.000	4.183
2045	1.583	1.592	4.800	1.608	3.230	2.433	4.888	1.636	5.751	4.950	4.143
2046	1.562	1.571	4.740	1.588	3.193	2.406	4.834	1.619	5.691	4.900	4.101
2047	1.541	1.550	4.679	1.569	3.154	2.378	4.779	1.601	5.630	4.848	4.059
2048	1.518	1.529	4.617	1.549	3.115	2.349	4.724	1.583	5.568	4.796	4.017
2049	1.495	1.507	4.553	1.528	3.075	2.320	4.667	1.564	5.505	4.744	3.974
2050	1.472	1.484	4.488	1.507	3.034	2.290	4.609	1.545	5.441	4.690	3.930
2051	1.448	1.461	4.420	1.485	2.992	2.260	4.550	1.526	5.375	4.635	3.885
2052	1.423	1.437	4.350	1.463	2.949	2.229	4.489	1.507	5.309	4.580	3.840
2053	1.397	1.412	4.279	1.440	2.905	2.196	4.427	1.487	5.241	4.523	3.794
2054	1.370	1.386	4.205	1.416	2.859	2.163	4.363	1.466	5.171	4.465	3.747
2055	1.343	1.360	4.128	1.391	2.812	2.129	4.297	1.445	5.099	4.405	3.699
2056	1.315	1.333	4.050	1.366	2.763	2.094	4.230	1.423	5.026	4.344	3.650
2057	1.285	1.305	3.969	1.340	2.713	2.058	4.160	1.401	4.950	4.282	3.599
2058	1.255	1.276	3.885	1.313	2.661	2.021	4.088	1.378	4.872	4.217	3.547
2059	1.224	1.246	3.799	1.286	2.608	1.982	4.014	1.354	4.792	4.151	3.494
2060	1.192	1.215	3.710	1.257	2.553	1.942	3.938	1.329	4.709	4.082	3.439
2061	1.160	1.184	3.619	1.228	2.497	1.902	3.859	1.304	4.623	4.012	3.382
2062	1.126	1.151	3.524	1.198	2.438	1.859	3.778	1.278	4.535	3.939	3.323
2063	1.091	1.117	3.427	1.166	2.378	1.816	3.694	1.251	4.445	3.864	3.263
2064	1.055	1.083	3.327	1.134	2.316	1.771	3.607	1.223	4.351	3.787	3.201
2065	1.018	1.047	3.224	1.101	2.252	1.725	3.518	1.195	4.255	3.707	3.137
2066	0.980	1.010	3.117	1.067	2.186	1.677	3.427	1.165	4.155	3.625	3.071
2067	0.941	0.972	3.008	1.032	2.118	1.628	3.332	1.135	4.053	3.540	3.003
2068	0.901	0.934	2.896	0.995	2.049	1.578	3.235	1.104	3.947	3.453	2.933
2069	0.861	0.894	2.781	0.958	1.977	1.526	3.134	1.071	3.838	3.363	2.860
2070	0.820	0.854	2.663	0.920	1.903	1.472	3.031	1.038	3.726	3.270	2.786
2071	0.778	0.814	2.544	0.881	1.827	1.417	2.925	1.004	3.610	3.174	2.709

Estimation of Remaining Open Claim Counts - By Year End

Classes B, C & D

Based on Mortality Tables Shown in Section VIII

Calendar Year	BY 2000	BY 2001	BY 2002	BY 2003	BY 2004	BY 2005	BY 2006	BY 2007	BY 2008	BY 2009	BY 2010
(1)	(13)	(14)	(15)	(16)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
2072	0.736	0.773	2.423	0.842	1.750	1.361	2.815	0.969	3.491	3.076	2.630
2073	0.694	0.731	2.301	0.802	1.672	1.304	2.704	0.932	3.369	2.974	2.548
2074	0.651	0.689	2.177	0.761	1.593	1.245	2.590	0.895	3.243	2.870	2.464
2075	0.608	0.646	2.051	0.720	1.512	1.186	2.474	0.858	3.114	2.763	2.378
2076	0.565	0.603	1.924	0.679	1.430	1.126	2.356	0.819	2.983	2.653	2.289
2077	0.522	0.561	1.797	0.637	1.348	1.065	2.237	0.780	2.849	2.541	2.198
2078	0.479	0.518	1.669	0.595	1.265	1.004	2.116	0.741	2.714	2.428	2.105
2079	0.437	0.475	1.542	0.552	1.181	0.942	1.994	0.701	2.577	2.312	2.011
2080	0.396	0.434	1.416	0.510	1.097	0.880	1.871	0.660	2.438	2.195	1.916
2081	0.355	0.393	1.292	0.469	1.013	0.817	1.747	0.620	2.297	2.077	1.819
2082	0.317	0.353	1.170	0.427	0.930	0.755	1.623	0.579	2.155	1.957	1.720
2083	0.279	0.314	1.051	0.387	0.849	0.693	1.499	0.538	2.012	1.836	1.621
2084	0.244	0.277	0.936	0.348	0.769	0.632	1.377	0.497	1.870	1.715	1.521
2085	0.210	0.242	0.825	0.310	0.690	0.572	1.256	0.456	1.727	1.593	1.420
2086	0.179	0.208	0.720	0.273	0.615	0.514	1.137	0.416	1.586	1.471	1.320
2087	0.150	0.178	0.621	0.238	0.542	0.458	1.022	0.377	1.446	1.351	1.219
2088	0.124	0.149	0.529	0.205	0.473	0.404	0.910	0.338	1.310	1.232	1.119
2089	0.101	0.123	0.444	0.175	0.408	0.352	0.802	0.301	1.177	1.116	1.021
2090	0.081	0.100	0.367	0.147	0.347	0.304	0.700	0.266	1.048	1.002	0.924
2091	0.063	0.080	0.298	0.121	0.292	0.259	0.604	0.232	0.924	0.893	0.830
2092	0.048	0.063	0.238	0.099	0.241	0.217	0.514	0.200	0.806	0.787	0.739
2093	0.036	0.048	0.187	0.079	0.196	0.180	0.432	0.170	0.695	0.687	0.652
2094	0.026	0.036	0.143	0.062	0.157	0.146	0.357	0.143	0.592	0.592	0.569
2095	0.019	0.026	0.107	0.047	0.123	0.117	0.290	0.118	0.497	0.504	0.491
2096	0.011	0.019	0.078	0.035	0.094	0.091	0.232	0.096	0.411	0.423	0.418
2097	0.006	0.011	0.056	0.026	0.070	0.070	0.182	0.077	0.334	0.350	0.351
2098	0.003	0.006	0.033	0.018	0.051	0.052	0.139	0.060	0.267	0.285	0.290
2099	0.002	0.003	0.019	0.011	0.037	0.038	0.104	0.046	0.209	0.227	0.236
2100	0.001	0.002	0.010	0.006	0.022	0.027	0.076	0.035	0.160	0.178	0.188
2101	0.001	0.001	0.005	0.003	0.012	0.016	0.054	0.025	0.120	0.137	0.148
2102	0.001	0.001	0.002	0.002	0.007	0.009	0.032	0.018	0.088	0.102	0.113
2103	0.001	0.001	0.002	0.001	0.003	0.005	0.018	0.011	0.062	0.075	0.085
2104	0.001	0.001	0.002	0.001	0.002	0.003	0.010	0.006	0.037	0.053	0.062
2105	0.001	0.001	0.002	0.001	0.002	0.001	0.005	0.003	0.021	0.032	0.044
2106	0.001	0.001	0.002	0.001	0.002	0.001	0.002	0.002	0.011	0.018	0.026
2107	0.001	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.006	0.010	0.015
2108	0.001	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.003	0.005	0.008
2109	0.001	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.003	0.002	0.004
2110	0.001	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.003	0.002	0.002
2111	0.001	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.003	0.002	0.002
2112	0.001	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.003	0.002	0.002
2113	0.001	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.003	0.002	0.002
2114	0.001	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.003	0.002	0.002
2115	0.001	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.003	0.002	0.002
2116	0.001	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.003	0.002	0.002
2117	0.001	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.003	0.002	0.002
2118	0.001	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.003	0.002	0.002
2119	0.001	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.003	0.002	0.002
2120	0.001	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.003	0.002	0.002

Estimation of Remaining Open Claim Counts - By Year End

Classes B, C & D

Based on Mortality Tables Shown in Section VIII

Calendar Year	BY 2011	BY 2012	BY 2013	BY 2014	BY 2015	BY 2016	BY 2017	BY 2018	BY 2019	BY 2020	BY 2021	BY 2022 - 9
(1)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)
9/30/22	7.000	6.000	2.000	5.000	8.000	5.000	8.675	13.675	8.350	8.700	8.075	7.413
2022	6.960	5.966	1.989	4.972	7.956	4.973	8.629	13.603	8.306	8.654	8.031	7.309
2023	6.919	5.932	1.978	4.945	7.913	4.946	8.582	13.530	8.262	8.608	7.988	7.268
2024	6.877	5.897	1.966	4.917	7.868	4.919	8.535	13.457	8.218	8.562	7.945	7.230
2025	6.834	5.862	1.955	4.889	7.824	4.891	8.488	13.384	8.173	8.517	7.903	7.191
2026	6.790	5.825	1.943	4.860	7.779	4.864	8.441	13.310	8.129	8.471	7.861	7.153
2027	6.744	5.787	1.931	4.831	7.734	4.836	8.394	13.236	8.084	8.424	7.819	7.115
2028	6.697	5.748	1.918	4.801	7.687	4.808	8.346	13.161	8.039	8.378	7.776	7.077
2029	6.650	5.708	1.905	4.769	7.639	4.779	8.297	13.086	7.994	8.331	7.733	7.038
2030	6.602	5.668	1.892	4.737	7.589	4.749	8.247	13.009	7.948	8.284	7.690	6.999
2031	6.553	5.627	1.879	4.704	7.538	4.718	8.195	12.931	7.902	8.237	7.647	6.960
2032	6.504	5.585	1.865	4.671	7.486	4.686	8.142	12.850	7.854	8.189	7.603	6.921
2033	6.454	5.543	1.851	4.637	7.433	4.653	8.087	12.766	7.805	8.139	7.559	6.882
2034	6.404	5.501	1.838	4.603	7.379	4.620	8.031	12.681	7.754	8.088	7.513	6.841
2035	6.354	5.459	1.824	4.569	7.325	4.587	7.974	12.592	7.702	8.036	7.466	6.800
2036	6.304	5.416	1.809	4.534	7.270	4.553	7.916	12.503	7.648	7.982	7.417	6.757
2037	6.253	5.373	1.795	4.499	7.214	4.519	7.858	12.413	7.594	7.926	7.368	6.713
2038	6.201	5.329	1.781	4.463	7.159	4.485	7.799	12.321	7.539	7.870	7.316	6.668
2039	6.150	5.286	1.767	4.428	7.102	4.450	7.739	12.229	7.483	7.813	7.264	6.622
2040	6.097	5.241	1.752	4.392	7.046	4.415	7.680	12.136	7.427	7.756	7.212	6.575
2041	6.044	5.197	1.737	4.356	6.989	4.380	7.619	12.042	7.371	7.697	7.159	6.527
2042	5.990	5.151	1.723	4.320	6.932	4.345	7.559	11.947	7.314	7.639	7.105	6.479
2043	5.935	5.105	1.707	4.283	6.874	4.309	7.498	11.852	7.256	7.580	7.051	6.431
2044	5.879	5.058	1.692	4.245	6.815	4.273	7.436	11.757	7.199	7.520	6.996	6.382
2045	5.823	5.011	1.677	4.207	6.755	4.236	7.374	11.660	7.140	7.460	6.941	6.332
2046	5.767	4.963	1.661	4.169	6.695	4.199	7.311	11.562	7.082	7.400	6.886	6.283
2047	5.709	4.915	1.645	4.130	6.634	4.162	7.247	11.464	7.023	7.339	6.831	6.233
2048	5.650	4.866	1.629	4.090	6.572	4.124	7.182	11.363	6.963	7.278	6.775	6.182
2049	5.591	4.816	1.613	4.050	6.509	4.085	7.116	11.262	6.902	7.216	6.718	6.132
2050	5.531	4.765	1.596	4.010	6.445	4.046	7.050	11.159	6.840	7.153	6.661	6.080
2051	5.470	4.714	1.580	3.969	6.381	4.007	6.983	11.055	6.777	7.089	6.602	6.028
2052	5.408	4.662	1.563	3.927	6.316	3.967	6.915	10.949	6.714	7.024	6.543	5.976
2053	5.345	4.610	1.545	3.885	6.249	3.926	6.845	10.842	6.650	6.958	6.483	5.922
2054	5.281	4.556	1.528	3.842	6.182	3.885	6.775	10.734	6.585	6.892	6.423	5.868
2055	5.216	4.501	1.510	3.799	6.114	3.843	6.704	10.624	6.519	6.825	6.362	5.813
2056	5.149	4.445	1.492	3.755	6.045	3.801	6.632	10.513	6.453	6.756	6.299	5.758
2057	5.080	4.388	1.474	3.710	5.975	3.758	6.559	10.400	6.385	6.687	6.236	5.702
2058	5.010	4.330	1.455	3.664	5.903	3.714	6.485	10.285	6.316	6.617	6.173	5.645
2059	4.938	4.270	1.435	3.617	5.830	3.669	6.410	10.169	6.247	6.546	6.108	5.587
2060	4.863	4.208	1.415	3.568	5.755	3.624	6.333	10.050	6.176	6.474	6.042	5.528
2061	4.787	4.145	1.395	3.519	5.678	3.577	6.254	9.930	6.104	6.401	5.976	5.469
2062	4.708	4.080	1.374	3.468	5.600	3.530	6.174	9.807	6.031	6.326	5.908	5.409
2063	4.626	4.012	1.352	3.416	5.519	3.481	6.092	9.681	5.956	6.250	5.839	5.347
2064	4.542	3.943	1.330	3.362	5.436	3.431	6.007	9.552	5.880	6.173	5.769	5.285
2065	4.456	3.871	1.307	3.307	5.350	3.379	5.921	9.420	5.801	6.093	5.698	5.222
2066	4.367	3.798	1.283	3.250	5.262	3.326	5.831	9.284	5.721	6.012	5.625	5.157
2067	4.275	3.722	1.259	3.191	5.171	3.271	5.740	9.144	5.639	5.929	5.550	5.091
2068	4.180	3.644	1.234	3.130	5.077	3.214	5.645	9.000	5.554	5.844	5.473	5.023
2069	4.082	3.563	1.208	3.067	4.981	3.156	5.547	8.851	5.466	5.756	5.394	4.953
2070	3.982	3.479	1.181	3.003	4.881	3.096	5.447	8.698	5.376	5.665	5.313	4.882
2071	3.878	3.394	1.153	2.936	4.778	3.034	5.343	8.541	5.283	5.571	5.229	4.808

Estimation of Remaining Open Claim Counts - By Year End

Classes B, C & D

Based on Mortality Tables Shown in Section VIII

Calendar Year	BY 2011	BY 2012	BY 2013	BY 2014	BY 2015	BY 2016	BY 2017	BY 2018	BY 2019	BY 2020	BY 2021	BY 2022 - 9
(1)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)
2072	3.771	3.305	1.125	2.868	4.672	2.970	5.236	8.378	5.187	5.475	5.143	4.733
2073	3.661	3.214	1.096	2.797	4.563	2.904	5.126	8.211	5.089	5.376	5.054	4.655
2074	3.547	3.120	1.065	2.724	4.450	2.837	5.012	8.038	4.987	5.274	4.962	4.574
2075	3.430	3.023	1.034	2.649	4.334	2.767	4.895	7.860	4.882	5.168	4.868	4.491
2076	3.310	2.924	1.002	2.571	4.215	2.694	4.774	7.676	4.774	5.059	4.770	4.406
2077	3.186	2.821	0.969	2.492	4.092	2.620	4.650	7.486	4.662	4.947	4.670	4.318
2078	3.059	2.716	0.935	2.409	3.965	2.543	4.522	7.291	4.547	4.831	4.566	4.227
2079	2.931	2.608	0.900	2.325	3.834	2.465	4.389	7.090	4.428	4.712	4.460	4.133
2080	2.799	2.498	0.864	2.238	3.699	2.383	4.253	6.883	4.306	4.589	4.350	4.036
2081	2.666	2.386	0.828	2.149	3.561	2.300	4.113	6.669	4.180	4.463	4.236	3.937
2082	2.532	2.273	0.791	2.058	3.420	2.214	3.969	6.449	4.051	4.332	4.119	3.834
2083	2.395	2.158	0.753	1.966	3.276	2.126	3.820	6.223	3.917	4.198	3.999	3.728
2084	2.257	2.041	0.715	1.873	3.129	2.036	3.669	5.990	3.780	4.059	3.875	3.619
2085	2.117	1.923	0.677	1.778	2.980	1.945	3.514	5.752	3.638	3.917	3.747	3.507
2086	1.977	1.805	0.638	1.682	2.830	1.853	3.357	5.510	3.494	3.771	3.616	3.391
2087	1.837	1.685	0.598	1.585	2.677	1.759	3.197	5.264	3.347	3.621	3.481	3.272
2088	1.697	1.566	0.559	1.487	2.522	1.664	3.035	5.013	3.197	3.468	3.342	3.150
2089	1.558	1.446	0.519	1.389	2.367	1.568	2.872	4.760	3.045	3.313	3.201	3.025
2090	1.421	1.328	0.479	1.290	2.210	1.471	2.706	4.503	2.891	3.156	3.058	2.898
2091	1.287	1.211	0.440	1.192	2.053	1.374	2.539	4.243	2.735	2.996	2.913	2.768
2092	1.156	1.097	0.401	1.094	1.896	1.276	2.371	3.981	2.577	2.834	2.765	2.636
2093	1.029	0.985	0.364	0.998	1.741	1.179	2.202	3.718	2.418	2.671	2.616	2.503
2094	0.908	0.877	0.327	0.904	1.588	1.082	2.035	3.454	2.258	2.506	2.465	2.368
2095	0.792	0.774	0.291	0.812	1.438	0.987	1.868	3.190	2.098	2.340	2.313	2.231
2096	0.683	0.675	0.256	0.723	1.292	0.894	1.704	2.929	1.938	2.174	2.160	2.094
2097	0.582	0.582	0.224	0.638	1.151	0.803	1.543	2.672	1.779	2.008	2.007	1.955
2098	0.488	0.496	0.193	0.556	1.015	0.715	1.386	2.420	1.623	1.844	1.854	1.816
2099	0.404	0.416	0.164	0.480	0.885	0.631	1.234	2.174	1.470	1.682	1.702	1.678
2100	0.328	0.344	0.138	0.409	0.763	0.550	1.088	1.935	1.320	1.523	1.552	1.540
2101	0.262	0.280	0.114	0.343	0.650	0.475	0.950	1.707	1.176	1.368	1.406	1.405
2102	0.205	0.224	0.093	0.284	0.546	0.404	0.819	1.489	1.037	1.218	1.263	1.272
2103	0.157	0.175	0.074	0.231	0.451	0.339	0.697	1.284	0.904	1.074	1.125	1.143
2104	0.118	0.134	0.058	0.184	0.367	0.281	0.586	1.094	0.780	0.937	0.992	1.018
2105	0.086	0.101	0.044	0.144	0.293	0.228	0.484	0.918	0.664	0.808	0.865	0.898
2106	0.061	0.073	0.033	0.111	0.230	0.182	0.394	0.759	0.558	0.688	0.746	0.783
2107	0.036	0.052	0.024	0.083	0.176	0.143	0.315	0.617	0.461	0.578	0.635	0.675
2108	0.021	0.031	0.017	0.061	0.132	0.109	0.246	0.493	0.375	0.478	0.533	0.575
2109	0.011	0.018	0.010	0.043	0.096	0.082	0.189	0.386	0.300	0.389	0.441	0.483
2110	0.006	0.009	0.006	0.026	0.069	0.060	0.141	0.296	0.235	0.310	0.359	0.399
2111	0.003	0.005	0.003	0.014	0.041	0.043	0.103	0.222	0.180	0.243	0.287	0.325
2112	0.003	0.002	0.002	0.008	0.023	0.025	0.073	0.162	0.135	0.186	0.224	0.259
2113	0.003	0.002	0.001	0.004	0.012	0.014	0.044	0.115	0.098	0.140	0.172	0.203
2114	0.003	0.002	0.001	0.002	0.006	0.008	0.025	0.068	0.070	0.102	0.129	0.156
2115	0.003	0.002	0.001	0.002	0.003	0.004	0.013	0.039	0.042	0.073	0.094	0.117
2116	0.003	0.002	0.001	0.002	0.003	0.002	0.007	0.021	0.024	0.043	0.067	0.085
2117	0.003	0.002	0.001	0.002	0.003	0.002	0.003	0.011	0.013	0.024	0.040	0.061
2118	0.003	0.002	0.001	0.002	0.003	0.002	0.003	0.005	0.006	0.013	0.023	0.036
2119	0.003	0.002	0.001	0.002	0.003	0.002	0.003	0.005	0.003	0.007	0.012	0.020
2120	0.003	0.002	0.001	0.002	0.003	0.002	0.003	0.005	0.003	0.003	0.006	0.011

Estimation of Outstanding Loss & ALAE Reserves - Burial Expense and Parental Award
After Estimated Investment Income
Evaluated as of September 30, 2022

Birth Year	Estimated Outstanding Loss & ALAE Related to Death Benefit (a)		AAA, AAD & DA	Estimated Outstanding Loss & ALAE Related to Parental Award		Estimated Outstanding Loss & ALAE Related to Retroactive Family Care Benefits Per NICA Estimates		Case (c) Outstanding on DA Claims as of 9 30 22	Additional Outstanding Loss & ALAE Not Included in Expense Category Analysis	
	Nominal (a)	Discounted (b)	Estimated Unreported Claims as of 9 30 22	Case Outstanding on Reported Open (c)	Outstanding on Unreported Claims (4) X 250,000	Nominal	Discounted		Nominal (2)+(5)+(6)+(7)+(9)	Discounted (3)+(5)+(6)+(8)+(9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1989	150,000	53,507	0	5,570	0			205,000	360,570	264,077
1990	150,000	52,667	0	0	0			0	150,000	52,667
1991	200,000	64,319	0	150,231	0			0	350,231	214,550
1992	450,000	124,247	0	0	0			75,000	525,000	199,247
1993	350,000	112,493	0	75,000	0			0	425,000	187,493
1994	150,000	35,042	0	0	0			0	150,000	35,042
1995	250,000	57,168	0	0	0			220,000	470,000	277,168
1996	300,000	110,649	0	225,000	0			455,000	980,000	790,649
1997	400,000	102,216	0	299,976	0			215,735	915,711	617,927
1998	550,000	161,659	0	48,939	0			400,000	998,939	610,598
1999	150,000	60,564	0	0	0			445,000	595,000	505,564
2000	150,000	45,452	0	8	0			200,000	350,008	245,460
2001	200,000	69,435	0	0	0			200,000	400,000	269,435
2002	600,000	205,903	0	81,501	0	1,057,002	1,057,002	190,000	1,928,503	1,534,406
2003	150,000	43,669	0	66	0	562,210	562,210	380,000	1,092,276	985,945
2004	250,000	62,222	0	78,788	0	164,459	164,459	190,000	683,247	495,469
2005	350,000	123,288	0	150,000	0	495,190	495,190	0	995,190	768,478
2006	450,000	125,976	0	331,823	0	1,866,540	1,866,540	0	2,648,363	2,324,339
2007	350,000	134,985	0	140,000	0	539,257	539,257	0	1,029,257	814,242
2008	450,000	108,290	0	405,404	0	1,111,651	1,111,651	0	1,967,055	1,625,345
2009	500,000	143,931	0	140,000	0	699,470	699,470	0	1,339,470	983,401
2010	250,000	42,464	0	164,957	0	696,885	696,885	19,627	1,131,469	923,933
2011	500,000	125,968	0	396,686	0	828,881	828,881	0	1,725,567	1,351,535
2012	350,000	71,304	0	319,954	0	994,544	994,544	95,000	1,759,498	1,480,802
2013	350,000	126,863	0	0	0	193,865	193,865	65,000	608,865	385,728
2014	400,000	105,149	0	17	0	362,329	362,329	0	762,346	467,495
2015	700,000	192,281	0	452,964	0	1,025,955	1,025,955	380,000	2,558,919	2,051,200
2016	350,000	80,954	0	430,967	0	182,820	182,820	0	963,787	694,741
2017	650,000	156,927	1	608,702	250,000	408,860	408,860	14,645	1,932,207	1,439,134
2018	850,000	170,161	1	549,650	250,000	457,616	457,616	1,650	2,108,916	1,429,078
2019	600,000	136,604	3	127,421	750,000	-	0	113,486	1,590,907	1,127,512
2020	600,000	130,156	5	-	1,250,000	-	0	804,956	2,654,956	2,185,111
2021	550,000	116,611	12	-	3,000,000	-	0	352,304	3,902,304	3,468,915
2022 - 9 mo.	525,000	115,383	13	-	3,312,500	-	0	0	3,837,500	3,427,883
Totals:	13,225,000	3,568,510	35	5,183,624	8,812,500	11,647,534	11,647,534	5,022,403	43,891,061	34,234,571

Notes: (a) See Section IV, Exhibit VI, Sheet 2, Column (4) multiplied by \$ 50,000 nominal death benefit.
 (b) See Section IV, Exhibit VI, Sheet 2, Column (9).
 (c) Based on NICA case reserve information as of September 30, 2022.

Estimation of Outstanding Loss & ALAE Reserves - Death Benefit
After Estimated Investment Income
Evaluated as of September 30, 2022

Burial Expense - Related to Open Accepted Claimants
Excluding Remaining Amounts due Deceased Claimants
By Claim Class Category
Based on Current Investment Income Assumption (5.0 % Annual Return)

Birth Year	Estimate O/S Claim Counts as of 9/30/2022 (a)			Estimated Average Discount Factor at (b) 5 % Investment Return		Estimated Discounted O/S Losses as of 9/30/2022		
	Class A	Classes B, C & D	Combined	Class A	Classes B, C & D	Class A (2) X (5) X 50,000	Classes B, C & D (3) X (6) X 50,000	Combined (7) + (8)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1989	1	2	3	0.5486	0.2608	27,432	26,075	53,507
1990	1	2	3	0.5434	0.2550	27,168	25,499	52,667
1991	1	3	4	0.5382	0.2494	26,910	37,410	64,319
1992	1	8	9	0.5331	0.2440	26,656	97,591	124,247
1993	2	5	7	0.5281	0.2387	52,814	59,679	112,493
1994	0	3	3	0.0000	0.2336	0	35,042	35,042
1995	0	5	5	0.0000	0.2287	0	57,168	57,168
1996	3	3	6	0.5138	0.2239	77,064	33,585	110,649
1997	1	7	8	0.5092	0.2193	25,459	76,757	102,216
1998	3	8	11	0.5047	0.2149	75,706	85,954	161,659
1999	2	1	3	0.5003	0.2106	50,033	10,531	60,564
2000	1	2	3	0.4960	0.2065	24,802	20,650	45,452
2001	2	2	4	0.4918	0.2025	49,184	20,251	69,435
2002	6	6	12	0.4877	0.1986	146,315	59,589	205,903
2003	1	2	3	0.4837	0.1949	24,183	19,486	43,669
2004	1	4	5	0.4797	0.1912	23,984	38,239	62,222
2005	4	3	7	0.4757	0.1876	95,147	28,140	123,288
2006	3	6	9	0.4718	0.1840	70,765	55,211	125,976
2007	5	2	7	0.4677	0.1805	116,937	18,048	134,985
2008	2	7	9	0.4637	0.1769	46,369	61,921	108,290
2009	4	6	10	0.4596	0.1734	91,921	52,010	143,931
2010	0	5	5	0.0000	0.1699	0	42,464	42,464
2011	3	7	10	0.4515	0.1664	67,718	58,250	125,968
2012	1	6	7	0.4474	0.1631	22,372	48,933	71,304
2013	5	2	7	0.4435	0.1599	110,872	15,991	126,863
2014	3	5	8	0.4396	0.1568	65,940	39,209	105,149
2015	6	8	14	0.4358	0.1539	130,731	61,549	192,281
2016	2	5	7	0.4320	0.1510	43,200	37,754	80,954
2017	4.33	8.68	13.00	0.4283	0.1483	92,619	64,308	156,927
2018	3.33	13.68	17.00	0.4246	0.1456	70,598	99,563	170,161
2019	3.65	8.35	12.00	0.4211	0.1431	76,852	59,753	136,604
2020	3.30	8.70	12.00	0.4177	0.1408	68,915	61,241	130,156
2021	2.93	8.08	11.00	0.4144	0.1387	60,607	56,004	116,611
2022 - 9 mo.	3.09	7.41	10.50	0.4144	0.1387	63,974	51,410	115,383
Totals:	84.61	179.89	264.50			1,953,245	1,615,265	3,568,510

Notes: (a) Based on actual reported and estimated unreported NICA claimants as of September 30, 2022.
(b) Estimated discount based on mortality factors as shown in Section VIII.

Evaluated As of December 31, 2021

**After Consideration of Class Action and SB 1786
INCLUDED AS REFERENCE FROM DECEMBER 31, 2021 REPORT
PRIOR TO ANY ADJUSTMENTS FOR CHANGES IN 2022 - REFERENCE ONLY**

Year of Birth	Actual Paid (a) Loss & ALAE @ 12/31/21	2021 Level Case O/S (b) Loss & ALAE	2021 Level IBNR / Bulk (c) Outstanding	2021 Level Outstanding Loss & ALAE (3) + (4)	Indicated 2021 Level Incurred Loss & ALAE (2) + (3)	Indicated 2021 Level Ultimate Loss & ALAE (2) + (5)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1989	16,885,994	13,842,395	4,009,141	17,851,536	30,728,389	34,737,530
1990	7,614,059	9,234,445	2,618,295	11,852,740	16,848,503	19,466,798
1991	11,583,942	16,572,044	2,937,697	19,509,742	28,155,986	31,093,684
1992	19,655,224	39,595,716	8,187,318	47,783,035	59,250,940	67,438,258
1993	25,162,173	35,066,637	9,391,712	44,458,348	60,228,810	69,620,522
1994	9,013,849	18,464,866	4,996,139	23,461,004	27,478,715	32,474,853
1995	13,455,395	26,789,092	6,246,316	33,035,408	40,244,487	46,490,803
1996	12,280,555	22,009,825	6,492,436	28,502,261	34,290,380	40,782,816
1997	16,023,557	41,847,836	11,264,192	53,112,029	57,871,394	69,135,586
1998	27,288,891	56,474,136	20,570,783	77,044,918	83,763,026	104,333,809
1999	14,547,024	12,555,307	9,435,219	21,990,526	27,102,331	36,537,550
2000	8,115,680	11,049,895	6,941,273	17,991,168	19,165,575	26,106,848
2001	10,391,789	21,689,387	7,974,128	29,663,515	32,081,176	40,055,305
2002	22,212,715	55,180,104	21,840,689	77,020,792	77,392,818	99,233,507
2003	6,523,162	10,424,005	3,587,144	14,011,150	16,947,167	20,534,312
2004	7,253,282	28,979,402	7,481,407	36,460,809	36,232,684	43,714,091
2005	10,942,541	28,874,392	11,576,573	40,450,965	39,816,933	51,393,506
2006	12,767,247	47,032,444	13,597,804	60,630,248	59,799,691	73,397,495
2007	13,611,989	30,562,915	11,449,903	42,012,818	44,174,904	55,624,807
2008	9,013,337	54,039,659	15,767,600	69,807,259	63,052,996	78,820,595
2009	11,497,957	53,971,169	18,685,870	72,657,039	65,469,126	84,154,996
2010	4,312,574	25,327,020	8,620,367	33,947,387	29,639,594	38,259,961
2011	7,462,398	48,033,219	14,389,136	62,422,355	55,495,618	69,884,754
2012	5,096,672	39,007,545	9,273,214	48,280,759	44,104,217	53,377,430
2013	7,662,639	32,228,484	11,527,702	43,756,186	39,891,123	51,418,825
2014	8,370,886	37,511,528	16,976,110	54,487,638	45,882,414	62,858,524
2015	8,449,447	73,520,821	32,754,350	106,275,171	81,970,267	114,724,618
2016	2,175,886	26,499,134	14,143,075	40,642,209	28,675,020	42,818,095
2017	4,881,618	57,671,549	41,262,065	98,933,614	62,553,167	103,815,232
2018	6,175,043	78,707,935	80,647,736	159,355,671	84,882,978	165,530,714
2019	4,443,644	46,120,760	85,468,923	131,589,683	50,564,404	136,033,327
2020	1,140,612	19,576,472	82,467,618	102,044,090	20,717,084	103,184,702
2021	994,030	447,244	72,631,612	73,078,856	1,441,273	74,072,885
Totals:	347,005,809	1,118,907,381	675,213,548	1,794,120,930	1,465,913,190	2,141,126,739

Notes: (a) See Section V, Exhibit I, Sheet 3, Column (6) plus Section V, Exhibit I, Sheet 2, Column (6) of 12/31/21 report.
(b) See Section V, Exhibit I, Sheet 3, Column (8) plus Section V, Exhibit I, Sheet 2, Column (7) of 12/31/21 report.
(c) See Section V, Exhibit I, Sheet 3, Column (9) of 12/31/21 report..

Accepted Claim Counts - Reported With Worksheets
Allocation of Unreported Claims by Severity Class

Evaluated As of September 30, 2022

Year of Birth	Reported Accepted Claims (AAA & AAD Claims) (a)							Open / Unreported Accepted Claims (AAA Claims) (b)						Classes B, C, D & Blank (10) + (11) + (12) + (13)
	Class A	Class B	Class C	Class D	Blank AAA & AAD	Combined	Classes B C & D (3)+(4)+(5)	Class A	Class B	Class C	Class D	Blank N/A	Combined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1989	4	-	-	2	5	11	2	1.0	0.0	0.0	2.0	0.0	3.0	2.0
1990	3	2	-	2	-	7	4	1.0	1.0	0.0	1.0	0.0	3.0	2.0
1991	1	2	-	1	-	4	3	1.0	2.0	0.0	1.0	0.0	4.0	3.0
1992	1	4	1	4	3	13	9	1.0	4.0	1.0	3.0	0.0	9.0	8.0
1993	4	3	2	3	1	13	8	2.0	0.0	2.0	3.0	0.0	7.0	5.0
1994	2	-	1	2	2	7	3	0.0	0.0	1.0	2.0	0.0	3.0	3.0
1995	-	3	1	2	-	6	6	0.0	2.0	1.0	2.0	0.0	5.0	5.0
1996	3	-	1	2	1	7	3	3.0	0.0	1.0	2.0	0.0	6.0	3.0
1997	2	1	3	3	2	11	7	1.0	1.0	3.0	3.0	0.0	8.0	7.0
1998	4	2	4	2	3	15	8	3.0	2.0	4.0	2.0	0.0	11.0	8.0
1999	6	2	-	-	1	9	2	2.0	1.0	0.0	0.0	0.0	3.0	1.0
2000	3	1	-	1	1	6	2	1.0	1.0	0.0	1.0	0.0	3.0	2.0
2001	2	-	2	-	-	4	2	2.0	0.0	2.0	0.0	0.0	4.0	2.0
2002	9	3	1	2	2	17	6	6.0	3.0	1.0	2.0	0.0	12.0	6.0
2003	1	2	-	-	-	3	2	1.0	2.0	0.0	0.0	0.0	3.0	2.0
2004	1	2	1	1	1	6	4	1.0	2.0	1.0	1.0	0.0	5.0	4.0
2005	5	2	1	2	1	11	5	4.0	0.0	1.0	2.0	0.0	7.0	3.0
2006	4	3	-	3	2	12	6	3.0	3.0	0.0	3.0	0.0	9.0	6.0
2007	5	2	-	-	3	10	2	5.0	2.0	0.0	0.0	0.0	7.0	2.0
2008	3	3	2	2	-	10	7	2.0	3.0	2.0	2.0	0.0	9.0	7.0
2009	4	1	2	3	1	11	6	4.0	1.0	2.0	3.0	0.0	10.0	6.0
2010	1	1	1	3	-	6	5	0.0	1.0	1.0	3.0	0.0	5.0	5.0
2011	3	1	2	4	2	12	7	3.0	1.0	2.0	4.0	0.0	10.0	7.0
2012	1	-	3	3	-	7	6	1.0	0.0	3.0	3.0	0.0	7.0	6.0
2013	5	-	-	2	1	8	2	5.0	0.0	0.0	2.0	0.0	7.0	2.0
2014	5	3	-	2	-	10	5	3.0	3.0	0.0	2.0	0.0	8.0	5.0
2015	6	2	2	4	-	14	8	6.0	2.0	2.0	4.0	0.0	14.0	8.0
2016	2	2	-	1	2	7	3	2.0	2.0	0.0	1.0	2.0	7.0	5.0
2017	4	4	1	2	2	13	7	4.3	4.2	1.2	2.3	1.0	13.0	8.7
2018	3	2	5	3	4	17	10	3.3	2.2	5.2	3.3	3.0	17.0	13.7
2019	3	1	4	1	2	11	6	3.7	1.4	4.4	1.6	1.0	12.0	8.4
2020	2	1	1	2	2	9	4	3.3	1.8	1.7	3.2	2.0	12.0	8.7
2021	-	-	-	-	2	2	-	2.9	1.8	1.6	2.7	2.0	11.0	8.1
2022 - 9 mo.								3.1	1.9	1.7	2.9	1.0	10.5	7.4
Totals	102	55	41	64	46	309	160	84.6	52.3	45.6	70.0	12.0	264.5	179.9

Notes: (a) See Section VI, Exhibit II. Combination of open accepted claims (AAA) with closed accepted claims (AAD).

(b) See Section VI, Exhibit II. Combination of reported open accepted claims (AAA) and unreported accepted (alive) claims (AAA).

Reported Accepted Claim Counts - Excluding DA Claims
Evaluated As of September 30, 2022

Year of Birth	Open Accepted Claims (AAA Claims)						Closed Accepted Claims (AAD Claims)						IBNR Accepted Claims (Excluding DA Claims)					
	Class A	Class B	Class C	Class D	Blank N/A	Combined	Class A	Class B	Class C	Class D	Blank N/A	Combined	Class A	Class B	Class C	Class D	Blank N/A	Combined
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
1989	1	-	-	2	-	3	3	-	-	-	5	8	-	-	-	-	-	-
1990	1	1	-	1	-	3	2	1	-	1	-	4	-	-	-	-	-	-
1991	1	2	-	1	-	4	-	-	-	-	-	-	-	-	-	-	-	-
1992	1	4	1	3	-	9	-	-	-	1	3	4	-	-	-	-	-	-
1993	2	-	2	3	-	7	2	3	-	-	1	6	-	-	-	-	-	-
1994	-	-	1	2	-	3	2	-	-	-	2	4	-	-	-	-	-	-
1995	-	2	1	2	-	5	-	1	-	-	-	1	-	-	-	-	-	-
1996	3	-	1	2	-	6	-	-	-	-	1	1	-	-	-	-	-	-
1997	1	1	3	3	-	8	1	-	-	-	2	3	-	-	-	-	-	-
1998	3	2	4	2	-	11	1	-	-	-	3	4	-	-	-	-	-	-
1999	2	1	-	-	-	3	4	1	-	-	1	6	-	-	-	-	-	-
2000	1	1	-	1	-	3	2	-	-	-	1	3	-	-	-	-	-	-
2001	2	-	2	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-
2002	6	3	1	2	-	12	3	-	-	-	2	5	-	-	-	-	-	-
2003	1	2	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-
2004	1	2	1	1	-	5	-	-	-	-	1	1	-	-	-	-	-	-
2005	4	-	1	2	-	7	1	2	-	-	1	4	-	-	-	-	-	-
2006	3	3	-	3	-	9	1	-	-	-	2	3	-	-	-	-	-	-
2007	5	2	-	-	-	7	-	-	-	-	3	3	-	-	-	-	-	-
2008	2	3	2	2	-	9	1	-	-	-	-	1	-	-	-	-	-	-
2009	4	1	2	3	-	10	-	-	-	-	1	1	-	-	-	-	-	-
2010	-	1	1	3	-	5	1	-	-	-	-	1	-	-	-	-	-	-
2011	3	1	2	4	-	10	-	-	-	-	2	2	-	-	-	-	-	-
2012	1	-	3	3	-	7	-	-	-	-	-	-	-	-	-	-	-	-
2013	5	-	-	2	-	7	-	-	-	-	1	1	-	-	-	-	-	-
2014	3	3	-	2	-	8	2	-	-	-	-	2	-	-	-	-	-	-
2015	6	2	2	4	-	14	-	-	-	-	-	-	-	-	-	-	-	-
2016	2	2	-	1	2	7	-	-	-	-	-	-	-	-	-	-	-	-
2017	4	4	1	2	1	12	-	-	-	-	1	1	0.325	0.200	0.175	0.300	-	1.000
2018	3	2	5	3	3	16	-	-	-	-	1	1	0.325	0.200	0.175	0.300	-	1.000
2019	3	1	4	1	1	10	-	-	-	-	1	1	0.650	0.400	0.350	0.600	-	2.000
2020	2	1	1	2	2	8	-	-	-	-	1	1	1.300	0.800	0.700	1.200	-	4.000
2021	-	-	-	-	2	2	-	-	-	-	-	-	2.925	1.800	1.575	2.700	-	9.000
2022 - 9 Mo.					1	1							3.088	1.900	1.663	2.850		9.500
Totals	76	47	41	62	12	238	26	8	-	2	36	72	8.613	5.300	4.638	7.950	-	26.500

Used for allocation on IBNR claim counts

Indicated	31.9%	19.7%	17.2%	26.1%	5.0%	100.0%
Selected	32.5%	20.0%	17.5%	30.0%		100.0%

Ultimate Accepted Claim Counts
Evaluated As of September 30, 2022

Year of Birth	Reported Accepted Claim Counts				IBNR Accepted Claim Counts			Ultimate Accepted Claim Counts		
	DA (a)	AAD (b)	AAA (c)	Combined (2)+(3)+(4)	DA Only (d)	AAD & AAA Only (d)	All Accepted Claim Counts (6) + (7)	DA Only (2) + (6)	AAD & AAA Only (3)+(4)+(7)	All Accepted Claim Counts (9) + (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1989	4	8	3	15	0	0	0	4	11	15
1990	3	4	3	10	0	0	0	3	7	10
1991	4	0	4	8	0	0	0	4	4	8
1992	1	4	9	14	0	0	0	1	13	14
1993	2	6	7	15	0	0	0	2	13	15
1994	9	4	3	16	0	0	0	9	7	16
1995	5	1	5	11	0	0	0	5	6	11
1996	10	1	6	17	0	0	0	10	7	17
1997	6	3	8	17	0	0	0	6	11	17
1998	3	4	11	18	0	0	0	3	15	18
1999	9	6	3	18	0	0	0	9	9	18
2000	7	3	3	13	0	0	0	7	6	13
2001	9	0	4	13	0	0	0	9	4	13
2002	5	5	12	22	0	0	0	5	17	22
2003	6	0	3	9	0	0	0	6	3	9
2004	7	1	5	13	0	0	0	7	6	13
2005	2	4	7	13	0	0	0	2	11	13
2006	1	3	9	13	0	0	0	1	12	13
2007	5	3	7	15	0	0	0	5	10	15
2008	1	1	9	11	0	0	0	1	10	11
2009	6	1	10	17	0	0	0	6	11	17
2010	6	1	5	12	0	0	0	6	6	12
2011	2	2	10	14	0	0	0	2	12	14
2012	4	0	7	11	0	0	0	4	7	11
2013	3	1	7	11	0	0	0	3	8	11
2014	3	2	8	13	0	0	0	3	10	13
2015	6	0	14	20	0	0	0	6	14	20
2016	4	0	7	11	0.00	0.00	0.00	4.00	7.00	11.00
2017	2	1	12	15	0.00	1.00	1.00	2.00	14.00	16.00
2018	9	1	16	26	0.00	1.00	1.00	9.00	18.00	27.00
2019	4	1	10	15	1.00	2.00	3.00	5.00	13.00	18.00
2020	4	1	8	13	1.00	4.00	5.00	5.00	13.00	18.00
2021	5	0	2	7	3.00	9.00	12.00	8.00	11.00	19.00
2022 - 9 Mo.			1	1	3.75	9.50	13.25	3.75	10.50	14.25
Totals All:	157	72	238	467	8.75	26.50	35.25	165.75	336.50	502.25
2017 - 2021	24	4	48	76	5.00	17.00	22.00	29.00	69.00	98.00

Notes: (a) The accepted claims shown in Column (2), DA, are claims where claimant was deceased prior to presentation of the claim to NICA.

(b) The accepted claims shown in Column (3), AAD, are claims that deceased after acceptance as of 9/30/2022.

(c) The accepted claims shown in Column (4), AAA, are accepted claims that are alive as of 9/30/2022.

(d) See Section VI, Exhibit IV, Columns (6) and (7), respectively.

Open Accepted Claim Counts
Evaluated As of September 30, 2022

Year of Birth	Reported Open Accepted Claim Counts				IBNR Accepted Claim Counts (d)			Total Open Accepted Claim Counts (Reported + IBNR)		
	DA (a) Only	AAD (b) Only	AAA (c) Only	Combined (2)+(3)+(4)	DA Only	AAD & AAA Only	Combined	DA (2) + (6)	AAD & AAA Only (3)+(4)+(7)	Combined (9) + (10)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	0	0	3	3				0	3	3
1990	0	0	3	3				0	3	3
1991	0	0	4	4				0	4	4
1992	0	0	9	9				0	9	9
1993	0	0	7	7				0	7	7
1994	0	0	3	3				0	3	3
1995	0	0	5	5				0	5	5
1996	0	0	6	6				0	6	6
1997	0	0	8	8				0	8	8
1998	0	0	11	11				0	11	11
1999	0	0	3	3				0	3	3
2000	0	0	3	3				0	3	3
2001	0	0	4	4				0	4	4
2002	0	0	12	12				0	12	12
2003	0	0	3	3				0	3	3
2004	0	0	5	5				0	5	5
2005	0	0	7	7				0	7	7
2006	0	0	9	9				0	9	9
2007	0	0	7	7				0	7	7
2008	0	0	9	9				0	9	9
2009	0	0	10	10				0	10	10
2010	0	0	5	5				0	5	5
2011	0	0	10	10				0	10	10
2012	0	0	7	7				0	7	7
2013	0	0	7	7				0	7	7
2014	0	0	8	8				0	8	8
2015	0	0	14	14				0	14	14
2016	0	0	7	7				0	7	7
2017	0	0	12	12	0	1	1	0	13	13
2018	0	0	16	16	0	1	1	0	17	17
2019	0	0	10	10	1	2	3	1	12	13
2020	2	0	8	10	1	4	5	3	12	15
2021	0	0	2	2	3	9	12	3	11	14
2022 (9 Mo)			1	1	4	10	13	4	11	14
Totals All:	2	0	238	240	9	27	35	11	265	275

Notes: (a) DA are claims where claimant was deceased prior to presentation of the claim to NICA.
 (b) AAD are claims that deceased after acceptance as of 9/30/2022.
 (c) AAA are accepted claims that are alive as of 9/30/2022.
 (d) See Section VI, Exhibit V, Sheet 1, Columns (21) and (11), respectively.

Development of Ultimate Accepted Claim Counts (B/F Estimate)
Evaluated As of September 30, 2022

A. Selected Claim Frequency per Insured Physician Based on: (a)

1. AAA & AAD Only	0.0085
2. DA Only	0.0038
3. All Reported Claims But Excluding DA Only	0.0340

B. Ratio to Reported All Claims Excluding DA Only Based on: (a)

1. AAA & AAD Only	0.2500
2. DA Only	0.1118

Year of Birth	Actual (b) AAA & AAD Accepted Claim Cts. @ 9 30 22	All Reported Claim Cts. Excl. DA (c) @ 9 30 22	Estimated Claim Reporting Pattern - Based on :			B/F Method Estimated Ultimate (d) Reported Excl. DA (3) + {[1-(6)] x (4) x A.3}	Indicated Ultimate AAA & AAD Accepted Claims Based on		Final Selected Ultimate AAA & AAD Accepted Claim Cts. (10)	IBNR AAA & AAD Accepted Claim Cts. (10) - (2)
			Insured Physicians @ 9 30 22	Accepted AAA & AAD	Reported Claim Cts. (6)		Reported Claim Cts. Excl. DA (2) + {[1-(5)] x (7) x B.1}	AAA & AAD Claim Cts. (d) (2) + {[1-(5)] x (4) x A.1}		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2017	13	44	1,356	99.39%	92.85%	47.30	13.07	13.07	14	1
2018	17	47	1,420	95.86%	84.69%	54.39	17.56	17.50	18	1
2019	11	43	1,501	87.80%	73.70%	56.42	12.72	12.56	13	2
2020	9	31	1,575	72.47%	57.22%	53.91	12.71	12.69	13	4
2021	2	18	1,663	42.65%	30.08%	57.53	10.25	10.11	11	9
2022	1	3	1,611	6.50%	6.50%	54.21	13.67	13.80	14	13
2022 (9 Mo.)	1	3							11	10
Subtotals: FY 22 @ 9 30 22	54	189					79.99	79.72	83.00	30.00
									79.50	26.50

Year of Birth	Actual (b) DA Only Accepted Claim Cts. @ 9 30 22	All Reported Claim Cts. Excl. DA (c) @ 9 30 22	Estimated Claim Reporting Pattern - Based on :			B/F Method Estimated Ultimate Reported Excl. DA (13) + {[1-(16)] x (14) x A.3}	Indicated Ultimate DA Only Accepted Claims Based on		Final Selected Ultimate DA Only Accepted Claim Cts. (20)	IBNR DA Only Accepted Claim Cts. (20) - (12)
			Insured Physicians @ 9 30 22	Accepted DA Only	Reported Claim Cts. (16)		Reported Claim Cts. Excl. DA (12) + {[1-(15)] x (17) x B.2}	DA Only Claim Cts. (12) + {[1-(15)] x (14) x A.2}		
(1)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
2017	2	44	1,356	100.00%	92.85%	47.30	2.00	2.00	2	0
2018	9	47	1,420	98.26%	84.69%	54.39	9.11	9.09	9	0
2019	4	43	1,501	90.44%	73.70%	56.42	4.60	4.55	5	1
2020	4	31	1,575	76.27%	57.22%	53.91	5.43	5.42	5	1
2021	5	18	1,663	47.52%	30.08%	57.53	8.37	8.32	8	3
2022	0	3	1,611	7.50%	6.50%	54.21	5.60	5.66	5	5
2022 (9 Mo.)									4	4
Subtotals: FY 22 @ 9 30 22	24	186					35.12	35.04	34.00	10.00
									32.75	8.75

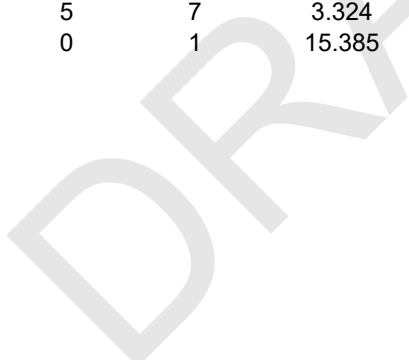
Notes: (a) See Section VI, Exhibit V, Sheet 2, Item (12).
 (b) See Section VI, Exhibit VI, Sheet 1, Columns (3) and (4), respectively.
 (c) See Section VI, Exhibit VI, Sheet 1, Column (2) minus Column (4).

Development of Ultimate Accepted Claim Counts (B/F Estimate)
Evaluated As of September 30, 2022

Year of Birth	Actual (a) Accepted Claim Counts		All (a) Reported Claim Cts. @ 9/30/22	All Reported Claim Cts. Excluding DA Claims @ 9/30/22 (4) - (3)	Insured Physicians	Claim Frequency per Insured Physician Based on :			Ratio of AAA & AAD to Reported All Claims Excl. DA (2) / (5)	Ratio of DA Only to Reported All Claims Excl. DA (3) / (5)
	AAA & AAD Only @ 9/30/22	DA Only @ 9/30/22				AAA & AAD Only (2) / (6)	DA Only (3) / (6)	Reported Excl. DA (5) / (6)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1989	11	4	32	28	570	0.0193	0.0070	0.0491	0.3929	0.1429
1990	7	3	39	36	590	0.0119	0.0051	0.0610	0.1944	0.0833
1991	4	4	38	34	653	0.0061	0.0061	0.0521	0.1176	0.1176
1992	13	1	48	47	712	0.0183	0.0014	0.0660	0.2766	0.0213
1993	13	2	40	38	731	0.0178	0.0027	0.0520	0.3421	0.0526
1994	7	9	36	27	659	0.0106	0.0137	0.0410	0.2593	0.3333
1995	6	5	26	21	682	0.0088	0.0073	0.0308	0.2857	0.2381
1996	7	10	40	30	708	0.0099	0.0141	0.0424	0.2333	0.3333
1997	11	6	47	41	737	0.0149	0.0081	0.0556	0.2683	0.1463
1998	15	3	42	39	699	0.0215	0.0043	0.0558	0.3846	0.0769
1999	9	9	40	31	665	0.0135	0.0135	0.0466	0.2903	0.2903
2000	6	7	38	31	620	0.0097	0.0113	0.0500	0.1935	0.2258
2001	4	9	41	32	676	0.0059	0.0133	0.0473	0.1250	0.2813
2002	17	5	50	45	730	0.0233	0.0068	0.0616	0.3778	0.1111
2003	3	6	23	17	785	0.0038	0.0076	0.0217	0.1765	0.3529
2004	6	7	31	24	841	0.0071	0.0083	0.0285	0.2500	0.2917
2005	11	2	41	39	891	0.0123	0.0022	0.0438	0.2821	0.0513
2006	12	1	34	33	897	0.0134	0.0011	0.0368	0.3636	0.0303
2007	10	5	36	31	963	0.0104	0.0052	0.0322	0.3226	0.1613
2008	10	1	42	41	987	0.0101	0.0010	0.0415	0.2439	0.0244
2009	11	6	50	44	1,044	0.0105	0.0057	0.0421	0.2500	0.1364
2010	6	6	40	34	1,071	0.0056	0.0056	0.0317	0.1765	0.1765
2011	12	2	44	42	1,091	0.0110	0.0018	0.0385	0.2857	0.0476
2012	7	4	50	46	1,119	0.0063	0.0036	0.0411	0.1522	0.0870
2013	8	3	32	29	1,143	0.0070	0.0026	0.0254	0.2759	0.1034
2014	10	3	45	42	1,208	0.0083	0.0025	0.0348	0.2381	0.0714
2015	14	6	50	44	1,273	0.0110	0.0047	0.0346	0.3182	0.1364
2016	7	4	36	32	1,318	0.0053	0.0030	0.0243	0.2188	0.1250
Subtotals:										
89 to 16	257	133	1,111	978	24,063	0.0107	0.0055	0.0406	0.2628	0.1360
89 to 02	130	77	557	480	9,432	0.0138	0.0082	0.0509	0.2708	0.1604
03 to 16	127	56	554	498	14,631	0.0087	0.0038	0.0340	0.2550	0.1124
08 to 16	85	35	389	354	10,254	0.0083	0.0034	0.0345	0.2401	0.0989
12 to 16	46	20	213	193	6,061	0.0076	0.0033	0.0318	0.2383	0.1036
				(12) Selected Frequency =====>		0.0085	0.0038	0.0340	0.2500	0.1118

Notes: (a) See Section VI, Exhibit VI, Sheet 1.

Birth Year	Reported Claim Counts as of 9/30/22				Cumulative Development			Estimated Ultimate - Projection Method			
	Accepted Claim Counts				Accepted			Accepted Claim Counts			
	All Claims Accepted & Denied	AAA & AAD	DA	AAA, DA & AAD (3) + (4)	All Claims	AAA & AAD	Accepted DA	All Claims Accepted & Denied (2) X (6)	AAA & AAD (3) X (7)	DA (4) X (8)	AAA, DA & AAD (10) + (11)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
2006	34	12	1	13	1.000	1.000	1.000	34	12	1	13
2007	36	10	5	15	1.000	1.000	1.000	36	10	5	15
2008	42	10	1	11	1.000	1.000	1.000	42	10	1	11
2009	50	11	6	17	1.000	1.000	1.000	50	11	6	17
2010	40	6	6	12	1.000	1.000	1.000	40	6	6	12
2011	44	12	2	14	1.000	1.000	1.000	44	12	2	14
2012	50	7	4	11	1.000	1.000	1.000	50	7	4	11
2013	32	8	3	11	1.000	1.000	1.000	32	8	3	11
2014	45	10	3	13	1.002	1.000	1.000	45	10	3	13
2015	50	14	6	20	1.015	1.000	1.000	51	14	6	20
2016	36	7	4	11	1.037	1.000	1.000	37	7	4	11
2017	46	13	2	15	1.077	1.006	1.000	50	13	2	15
2018	56	17	9	26	1.181	1.043	1.018	66	18	9	27
2019	47	11	4	15	1.357	1.139	1.106	64	13	4	17
2020	35	9	4	13	1.748	1.380	1.311	61	12	5	18
2021	23	2	5	7	3.324	2.344	2.104	76	5	11	15
2022	3	1	0	1	15.385	15.385	13.333	46	15	0	15



All Accepted Claims (AAA, AAD, & DA)

Birth Year	12	24	36	48	60	72	84	96	108	120	132
2006					14	13	13	13	13	13	13
2007				14	15	15	15	15	15	15	15
2008			9	12	11	12	11	11	11	11	11
2009		9	14	16	17	16	16	17	17	17	17
2010	2	8	12	14	12	12	12	12	12	12	12
2011	3	6	10	12	14	14	14	14	14	14	14
2012	4	6	11	14	11	11	11	11	11	11	11
2013	3	6	10	11	12	11	11	11	11	11	11
2014	2	10	13	15	15	13	13	13	13	13	13
2015	-	10	14	16	18	21	20	20	20	20	20
2016	3	5	6	8	9	9	11	11	11	11	11
2017	1	8	14	15	15	15	15	15	15	15	15
2018	4	17	24	24	26	26	26	26	26	26	26
2019	3	10	14	15	15	15	15	15	15	15	15
2020	-	11	13	13	13	13	13	13	13	13	13
2021	3	7	7	7	7	7	7	7	7	7	7
2022	1	1	1	1	1	1	1	1	1	1	1
	12:24	24:36	36:48	48:60	60:72	72:84	84:96	96:108	108:120	120:132	
2006					0.929	1.000	1.000	1.000	1.000	1.000	1.000
2007				1.071	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2008			1.333	0.917	1.091	0.917	1.000	1.000	1.000	1.000	1.000
2009		1.556	1.143	1.063	0.941	1.000	1.063	1.000	1.000	1.000	1.000
2010	4.000	1.500	1.167	0.857	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2011	2.000	1.667	1.200	1.167	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2012	1.500	1.833	1.273	0.786	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2013	2.000	1.667	1.100	1.091	0.917	1.000	1.000	1.000	1.000	1.000	1.000
2014	5.000	1.300	1.154	1.000	0.867	1.000	1.000	1.000	1.000	1.000	1.000
2015		1.400	1.143	1.125	1.167	0.952	1.000	1.000	1.000	1.000	1.000
2016	1.667	1.200	1.333	1.125	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2017	8.000	1.750	1.071	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2018	4.250	1.412	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2019	3.333	1.400	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2020											
Simple Avg.	3.528	1.517	1.174	1.018	0.992	0.987	1.007	1.000	1.000	1.000	1.000
Wtd. Avg. All Years	3.880	1.495	1.146	1.014	0.993	0.986	1.009	1.000	1.000	1.000	1.000
Wtd. Avg. Latest 5	5.545	1.417	1.099	1.013	1.000	0.988	1.013	1.000	1.000	1.000	1.000
Selected	5.000	1.475	1.135	1.075	1.025	1.000	1.000	1.000	1.000	1.000	1.000
Cumulative	9.223	1.845	1.251	1.102	1.025	1.000	1.000	1.000	1.000	1.000	1.000
% Reported	10.84%	54.21%	79.96%	90.75%	97.56%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	21	33	45	57	69	81	93	105	117	117	117
Interpolated - % Rept. 9 30 22	43.37%	73.52%	88.06%	95.86%	99.39%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Interpolated - CDF - 9 30 22	2.306	1.360	1.136	1.043	1.006	1.000	1.000	1.000	1.000	1.000	1.000

Reported Claim Counts
 Accepted & Denied

Year of Birth	12	24	36	48	60	72	84	96	108	120	132
1989		5	17	21	25	28	30	32	32	32	32
1990	1	7	18	27	30	37	38	39	39	39	39
1991	-	6	17	24	29	34	34	37	37	37	37
1992	5	11	31	39	42	47	48	48	48	48	48
1993	3	9	32	34	35	40	40	40	40	40	40
1994	3	16	28	31	31	36	36	36	36	36	36
1995	2	6	14	20	23	25	25	26	26	26	26
1996	2	11	19	23	31	39	39	39	39	40	40
1997	2	12	25	33	42	47	47	47	47	47	47
1998	2	13	30	34	35	41	42	42	42	42	42
1999	5	14	22	29	32	39	40	40	40	40	40
2000	4	16	26	31	33	38	38	38	38	38	38
2001	3	10	23	30	35	41	41	41	41	41	41
2002	3	18	33	38	42	50	50	50	50	50	50
2003	3	8	11	15	18	21	21	23	23	23	23
2004	1	10	15	20	23	29	30	30	31	31	31
2005	-	9	21	30	35	39	40	41	41	41	41
2006	2	9	17	24	28	33	33	33	34	34	34
2007	4	12	22	26	31	32	33	36	36	36	36
2008	1	9	18	24	29	37	37	41	42	42	42
2009	5	15	26	34	39	47	48	48	50	50	50
2010	4	13	25	32	36	39	39	39	40	40	40
2011	6	14	24	37	38	40	40	44	44	44	44
2012	5	17	36	44	46	50	50	50	50	50	50
2013	5	12	23	27	31	32	32	32	32	32	32
2014	2	14	32	38	43	44	44	45	45	45	45
2015	-	13	34	41	44	48	50	50	50	50	50
2016	7	13	19	25	30	36	36	36	36	36	36
2017	3	21	32	36	44	46	46	46	46	46	46
2018	7	29	46	52	56	56	56	56	56	56	56
2019	8	26	42	47	47	47	47	47	47	47	47
2020	2	25	35	35	35	35	35	35	35	35	35
2021	8	23	23	23	23	23	23	23	23	23	23
2022	3	3	3	3	3	3	3	3	3	3	3

Year of Birth	12:24	24:36	36:48	48:60	60:72	72:84	84:96	96:108	108:120	120:132
1989		3.400	1.235	1.190	1.120	1.071	1.067	1.000	1.000	1.000
1990	7.000	2.571	1.500	1.111	1.233	1.027	1.026	1.000	1.000	1.000
1991		2.833	1.412	1.208	1.172	1.000	1.088	1.000	1.000	1.000
1992	2.200	2.818	1.258	1.077	1.119	1.021	1.000	1.000	1.000	1.000
1993	3.000	3.556	1.063	1.029	1.143	1.000	1.000	1.000	1.000	1.000
1994	5.333	1.750	1.107	1.000	1.161	1.000	1.000	1.000	1.000	1.000
1995	3.000	2.333	1.429	1.150	1.087	1.000	1.040	1.000	1.000	1.000
1996	5.500	1.727	1.211	1.348	1.258	1.000	1.000	1.000	1.026	1.000
1997	6.000	2.083	1.320	1.273	1.119	1.000	1.000	1.000	1.000	1.000
1998	6.500	2.308	1.133	1.029	1.171	1.024	1.000	1.000	1.000	1.000
1999	2.800	1.571	1.318	1.103	1.219	1.026	1.000	1.000	1.000	1.000
2000	4.000	1.625	1.192	1.065	1.152	1.000	1.000	1.000	1.000	1.000
2001	3.333	2.300	1.304	1.167	1.171	1.000	1.000	1.000	1.000	1.000
2002	6.000	1.833	1.152	1.105	1.190	1.000	1.000	1.000	1.000	1.000
2003	2.667	1.375	1.364	1.200	1.167	1.000	1.095	1.000	1.000	1.000
2004	10.000	1.500	1.333	1.150	1.261	1.034	1.000	1.033	1.000	1.000
2005		2.333	1.429	1.167	1.114	1.026	1.025	1.000	1.000	1.000
2006	4.500	1.889	1.412	1.167	1.179	1.000	1.000	1.030	1.000	1.000
2007	3.000	1.833	1.182	1.192	1.032	1.031	1.091	1.000	1.000	1.000
2008	9.000	2.000	1.333	1.208	1.276	1.000	1.108	1.024	1.000	1.000
2009	3.000	1.733	1.308	1.147	1.205	1.021	1.000	1.042	1.000	1.000
2010	3.250	1.923	1.280	1.125	1.083	1.000	1.000	1.026	1.000	1.000
2011	2.333	1.714	1.542	1.027	1.053	1.000	1.100	1.000	1.000	1.000
2012	3.400	2.118	1.222	1.045	1.087	1.000	1.000	1.000	1.000	1.000
2013	2.400	1.917	1.174	1.148	1.032	1.000	1.000	1.000	1.000	1.000
2014	7.000	2.286	1.188	1.132	1.023	1.000	1.023	1.000	1.000	1.000
2015		2.615	1.206	1.073	1.091	1.042	1.000	1.000	1.000	1.000
2016	1.857	1.462	1.316	1.200	1.200	1.000	1.000	1.000	1.000	1.000
2017	7.000	1.524	1.125	1.222	1.000	1.000	1.000	1.000	1.000	1.000
2018	4.143	1.586	1.130	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2019	3.250	1.615	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2020	12.500	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Simple Avg. - Incremental	4.785	2.069	1.273	1.140	1.147	1.012	1.026	1.006	1.001	1.000
Wtd Avg. All - Incremental	4.180	1.955	1.249	1.130	1.142	1.012	1.022	1.006	1.001	1.000
Wtd Latest Five - Incremental	4.222	1.696	1.178	1.150	1.082	1.009	1.024	1.014	1.000	1.000
Selected - Incremental	3.500	1.750	1.200	1.135	1.085	1.025	1.020	1.010	1.000	1.000
Selected - Cumulative	9.558	2.731	1.560	1.300	1.146	1.056	1.030	1.010	1.000	1.000
10.46%	36.62%	64.08%	76.90%	87.28%	94.70%	97.07%	99.01%	100.00%	100.00%	100.00%
21	33	45	57	69	81	93	105	117		
Interpolated - % Rept. 9 30 22	30.08%	57.22%	73.70%	84.69%	92.85%	96.48%	98.52%	99.75%	100.00%	
Interpolated - CDF - 9 30 22	3.324	1.748	1.357	1.181	1.077	1.037	1.015	1.002	1.000	

Incurred Loss & ALAE @ 9/30/22

Birth Year	All Expense Categories	Class Action	All Expenses Excluding Class Action (2) - (3)	Estimated One-time Changes Related to SB 1786	Additional Parental Awards on Deceased Accepted Claims From 12/31/21 to 9/30/22
(1)	(2)	(3)	(4)	(5)	(6)
1989	34,081,550	261,214	32,282,640	N/A	N/A
1990	18,393,452	758,051	17,215,078	N/A	N/A
1991	30,641,922	792,094	28,036,515	N/A	N/A
1992	64,195,229	1,951,145	58,119,958	N/A	N/A
1993	64,551,816	910,230	60,419,245	N/A	N/A
1994	31,406,593	634,196	28,763,985	N/A	N/A
1995	43,645,829	910,904	40,288,794	N/A	N/A
1996	37,840,002	797,021	35,053,786	N/A	N/A
1997	62,869,935	1,624,160	57,617,606	N/A	N/A
1998	88,992,673	2,006,630	82,656,519	N/A	N/A
1999	30,233,991	873,581	28,524,925	N/A	N/A
2000	21,781,462	599,907	19,938,039	N/A	N/A
2001	35,334,774	115,547	33,316,070	N/A	N/A
2002	84,621,447	840,587	77,902,639	N/A	N/A
2003	19,987,883	-	17,847,404	N/A	N/A
2004	39,613,541	-	37,282,944	N/A	N/A
2005	43,816,294	-	40,717,261	N/A	N/A
2006	66,051,225	-	60,399,936	N/A	N/A
2007	47,447,776	-	45,075,078	N/A	N/A
2008	68,735,800	-	63,353,088	N/A	N/A
2009	73,045,021	-	66,507,515	N/A	N/A
2010	33,838,800	-	30,682,798	N/A	N/A
2011	62,081,603	-	56,095,741	N/A	N/A
2012	48,923,757	-	44,704,461	N/A	N/A
2013	44,246,977	-	40,491,463	N/A	N/A
2014	50,010,172	-	46,482,713	N/A	N/A
2015	90,653,240	-	82,870,503	N/A	N/A
2016	37,205,094	-	32,002,006	N/A	N/A
2017	68,898,189	-	62,946,725	N/A	N/A
2018	103,479,596	-	93,144,303	N/A	N/A
2019	56,564,781	-	52,632,430	N/A	N/A
2020	47,206,768	-	40,359,558	N/A	N/A
2021	8,021,969	-	4,915,238	N/A	N/A
2022 - 9 mo.	2,997,500	-	-	N/A	N/A
Totals:	1,661,416,661	13,075,266	1,518,646,965	N/A	N/A

Paid Loss & ALAE @ 9/30/22

Birth Year	All Expense Categories	Class Action	All Expenses Excluding Class Action (2) - (3)	Estimated One-time Changes Related to SB 1786	Additional Parental Awards on Deceased Accepted Claims From 12/31/21 to 9/30/22
(1)	(2)	(3)	(4)	(5)	(6)
1989	18,753,861	261,214	18,378,562	N/A	N/A
1990	9,039,830	758,051	7,766,517	N/A	N/A
1991	12,810,134	792,094	11,890,079	N/A	N/A
1992	21,101,471	1,951,145	18,925,639	N/A	N/A
1993	27,106,580	910,230	25,864,900	N/A	N/A
1994	11,161,503	634,196	10,457,995	N/A	N/A
1995	14,803,285	910,904	13,518,966	N/A	N/A
1996	14,006,450	797,021	12,933,528	N/A	N/A
1997	18,009,885	1,624,160	16,062,712	N/A	N/A
1998	29,383,779	2,006,630	26,820,637	N/A	N/A
1999	16,859,283	873,581	15,884,828	N/A	N/A
2000	9,582,763	589,907	8,903,755	N/A	N/A
2001	12,177,864	115,547	11,678,973	N/A	N/A
2002	24,928,971	840,587	23,560,884	N/A	N/A
2003	8,073,573	-	7,468,118	N/A	N/A
2004	8,905,993	-	8,476,321	N/A	N/A
2005	12,736,345	-	12,414,481	N/A	N/A
2006	14,682,116	-	14,366,681	N/A	N/A
2007	15,991,847	-	15,518,377	N/A	N/A
2008	10,936,938	-	10,600,146	N/A	N/A
2009	14,121,561	-	13,207,494	N/A	N/A
2010	6,031,108	-	5,643,032	N/A	N/A
2011	8,983,997	-	8,513,280	N/A	N/A
2012	6,067,992	-	5,909,373	N/A	N/A
2013	9,274,856	-	8,831,218	N/A	N/A
2014	10,733,897	-	9,943,794	N/A	N/A
2015	10,915,787	-	9,887,820	N/A	N/A
2016	3,567,506	-	2,952,791	N/A	N/A
2017	7,139,613	-	6,306,695	N/A	N/A
2018	10,284,947	-	9,232,805	N/A	N/A
2019	6,591,728	-	5,332,847	N/A	N/A
2020	4,034,732	-	3,520,456	N/A	N/A
2021	1,707,209	-	1,682,031	N/A	N/A
2022 - 9 mo.	1,117	-	-	N/A	N/A
Totals:	410,508,520	13,065,266	382,455,733	N/A	N/A

Case Outstanding Loss & ALAE @ 9/30/22

Birth Year	All Expense Categories	Class Action	All Expenses Excluding Class Action (2) - (3)	Estimated One-time Changes Related to SB 1786	Additional Parental Awards on Deceased Accepted Claims From 12/31/21 to 9/30/22
(1)	(2)	(3)	(4)	(5)	(6)
1989	15,327,689	-	13,904,078	N/A	N/A
1990	9,353,622	-	9,448,560	N/A	N/A
1991	17,831,789	-	16,146,435	N/A	N/A
1992	43,093,758	-	39,194,320	N/A	N/A
1993	37,445,236	-	34,554,346	N/A	N/A
1994	20,245,090	-	18,305,990	N/A	N/A
1995	28,842,544	-	26,769,828	N/A	N/A
1996	23,833,552	-	22,120,259	N/A	N/A
1997	44,860,050	-	41,554,894	N/A	N/A
1998	59,608,893	-	55,835,882	N/A	N/A
1999	13,374,708	-	12,640,097	N/A	N/A
2000	12,198,699	10,000	11,034,284	N/A	N/A
2001	23,156,910	-	21,637,097	N/A	N/A
2002	59,692,476	-	54,341,755	N/A	N/A
2003	11,914,310	-	10,379,286	N/A	N/A
2004	30,707,548	-	28,806,623	N/A	N/A
2005	31,079,948	-	28,302,779	N/A	N/A
2006	51,369,109	-	46,033,255	N/A	N/A
2007	31,455,929	-	29,556,702	N/A	N/A
2008	57,798,862	-	52,752,942	N/A	N/A
2009	58,923,460	-	53,300,021	N/A	N/A
2010	27,807,692	-	25,039,765	N/A	N/A
2011	53,097,605	-	47,582,461	N/A	N/A
2012	42,855,766	-	38,795,088	N/A	N/A
2013	34,972,121	-	31,660,245	N/A	N/A
2014	39,276,275	-	36,538,919	N/A	N/A
2015	79,737,453	-	72,982,683	N/A	N/A
2016	33,637,588	-	29,049,215	N/A	N/A
2017	61,758,576	-	56,640,030	N/A	N/A
2018	93,194,649	-	83,911,498	N/A	N/A
2019	49,973,053	-	47,299,583	N/A	N/A
2020	43,172,036	-	36,839,103	N/A	N/A
2021	6,314,760	-	3,233,207	N/A	N/A
2022 - 9 mo.	2,996,383	-	-	N/A	N/A
Totals:	1,250,908,141	10,000	1,136,191,231	N/A	N/A

Summary of Paid Loss & ALAE

Evaluated As of September 30, 2022

Birth Year	Paid Loss & ALAE @ 9/30/22 Accepted Claims AAA & AAD (Excluding DA Claims)						DA Claims	Denied Claims	All Reported (Accepted & Denied) Claims Paid
	Class A	Class B	Class C	Class D	Blank N/A	Combined	Paid Loss & ALAE	Paid Loss & ALAE	Loss & ALAE (7)+(8)+(9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	8,725,951	-	-	4,287,942	4,383,578	17,397,470	1,097,437	258,953	18,753,861
1990	4,260,822	1,440,256	-	2,234,999	-	7,936,078	923,991	179,760	9,039,830
1991	2,168,155	6,755,156	-	2,382,981	-	11,306,292	1,272,348	231,494	12,810,134
1992	635,792	9,894,817	3,705,633	5,463,511	929,135	20,628,888	237,898	234,685	21,101,471
1993	13,513,468	5,821,822	3,259,740	3,387,469	316,535	26,299,035	622,909	184,635	27,106,580
1994	1,767,104	-	1,727,424	3,342,647	1,393,163	8,230,338	2,774,818	156,347	11,161,503
1995	-	6,832,272	1,745,993	4,663,013	-	13,241,278	1,407,534	154,472	14,803,285
1996	6,117,102	-	2,418,781	2,524,454	311,990	11,372,327	2,465,641	168,482	14,006,450
1997	6,148,955	1,980,062	4,690,387	2,165,186	745,930	15,730,520	1,690,584	588,781	18,009,885
1998	10,464,065	5,663,181	9,127,407	2,022,421	1,290,117	28,567,191	533,689	282,899	29,383,779
1999	11,308,454	2,370,987	-	-	566,598	14,246,039	2,345,177	268,068	16,859,283
2000	4,207,261	1,681,523	-	927,987	381,057	7,197,828	2,040,248	344,688	9,582,763
2001	5,383,345	-	3,315,832	-	-	8,699,178	2,604,493	874,193	12,177,864
2002	13,902,569	4,770,294	1,966,981	1,617,336	792,079	23,049,260	1,379,474	500,238	24,928,971
2003	2,545,903	3,901,006	-	-	-	6,446,909	1,515,590	111,073	8,073,573
2004	976,166	4,256,280	900,816	354,061	76,328	6,563,651	2,022,588	319,754	8,905,993
2005	8,354,335	1,193,288	968,332	914,621	420,012	11,850,588	625,526	260,232	12,736,345
2006	7,197,201	3,025,501	-	3,056,536	769,889	14,049,126	330,545	302,445	14,682,116
2007	10,270,219	3,476,111	-	-	795,864	14,542,194	1,239,812	209,841	15,991,847
2008	1,917,015	5,305,881	2,141,048	761,480	-	10,125,423	313,348	498,167	10,936,938
2009	5,098,946	1,762,460	2,321,493	2,404,648	110,685	11,698,233	2,051,633	371,696	14,121,561
2010	316,948	1,485,178	986,322	1,148,312	-	3,936,760	1,865,753	228,595	6,031,108
2011	2,595,344	1,224,119	1,161,424	2,438,074	735,364	8,154,326	629,011	200,661	8,983,997
2012	883,235	-	1,808,444	1,715,809	-	4,407,489	1,147,831	512,672	6,067,992
2013	5,941,899	-	-	1,977,845	306,522	8,226,266	900,449	148,141	9,274,856
2014	4,806,189	3,715,395	-	979,666	-	9,501,249	948,779	283,869	10,733,897
2015	3,355,696	1,569,159	1,802,374	2,429,003	-	9,156,233	1,525,409	234,146	10,915,787
2016	800,971	517,683	-	776,767	19,998	2,115,418	1,314,774	137,314	3,567,506
2017	2,205,682	2,784,873	327,284	559,287	411,353	6,288,479	624,747	226,387	7,139,613
2018	1,761,029	1,230,821	2,403,596	1,225,420	435,648	7,056,513	2,870,412	358,022	10,284,947
2019	1,639,836	946,019	2,101,233	270,747	317,584	5,275,419	1,166,233	150,076	6,591,728
2020	1,099,117	497,020	366,472	859,227	447,811	3,269,647	668,891	96,194	4,034,732
2021	-	-	-	-	5,735	5,735	1,637,041	64,433	1,707,209
2022 - 9 mo.	-	-	-	-	735	735	-	381	1,117
Totals:	150,368,777	84,101,163	49,247,016	56,891,449	15,963,710	356,572,114	44,794,612	9,141,794	410,508,520

Summary of Incurred Loss & ALAE

Evaluated As of September 30, 2022

Birth Year	Incurred Loss & ALAE @ 9/30/22 Accepted Claims AAA & AAD (Excluding DA Claims)						DA Claims	Denied Claims	All Reported (Accepted & Denied) Claims Incurred Loss & ALAE (7)+(8)+(9)
	Class A	Class B	Class C	Class D	Blank N/A	Combined	Incurred Loss & ALAE	Incurred Loss & ALAE	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	12,561,146	-	-	15,375,435	4,583,578	32,520,159	1,302,437	258,953	34,081,550
1990	8,645,484	3,376,687	-	5,267,529	-	17,289,700	923,991	179,760	18,393,452
1991	5,315,122	16,093,748	-	7,729,210	-	29,138,081	1,272,348	231,494	30,641,922
1992	4,982,304	26,748,123	8,636,621	22,081,464	1,199,135	63,647,646	312,898	234,685	64,195,229
1993	19,305,596	5,824,687	14,955,382	23,342,072	316,535	63,744,271	622,909	184,635	64,551,816
1994	1,967,104	-	8,046,828	17,068,333	1,393,163	28,475,428	2,774,818	156,347	31,406,593
1995	-	14,336,593	8,285,024	19,242,206	-	41,863,822	1,627,534	154,472	43,645,829
1996	13,280,490	-	8,488,368	12,670,031	311,990	34,750,879	2,920,641	168,482	37,840,002
1997	9,532,034	9,321,055	20,817,476	19,958,340	745,930	60,374,836	1,906,319	588,781	62,869,935
1998	16,906,657	18,603,278	38,539,072	12,436,961	1,290,117	87,776,084	933,689	282,899	88,992,673
1999	19,677,294	6,931,855	-	-	566,598	27,175,747	2,790,177	268,068	30,233,991
2000	6,754,526	3,424,876	-	8,616,937	400,188	19,196,527	2,240,248	344,688	21,781,462
2001	15,300,973	-	16,355,114	-	-	31,656,088	2,804,493	874,193	35,334,774
2002	39,552,108	16,238,791	8,301,709	17,667,049	792,079	82,551,736	1,569,474	500,238	84,621,447
2003	6,122,831	11,858,389	-	-	-	17,981,220	1,895,590	111,073	19,987,883
2004	7,548,158	17,423,615	6,858,861	5,174,236	76,328	37,081,199	2,212,588	319,754	39,613,541
2005	21,233,423	1,193,288	6,456,522	13,627,292	420,012	42,930,536	625,526	260,232	43,816,294
2006	23,390,796	14,731,364	-	26,526,186	769,889	65,418,235	330,545	302,445	66,051,225
2007	24,930,229	20,177,030	-	-	890,864	45,998,123	1,239,812	209,841	47,447,776
2008	10,486,362	28,595,444	14,392,852	14,449,628	-	67,924,285	313,348	498,167	68,735,800
2009	25,939,870	7,365,326	11,871,025	25,144,786	300,685	70,621,692	2,051,633	371,696	73,045,021
2010	316,948	7,853,806	6,322,180	17,231,892	-	31,724,825	1,885,380	228,595	33,838,800
2011	12,436,679	7,158,212	12,624,746	28,296,929	735,364	61,251,931	629,011	200,661	62,081,603
2012	2,515,582	-	22,946,995	21,705,678	-	47,168,254	1,242,831	512,672	48,923,757
2013	25,524,862	-	-	17,302,004	306,522	43,133,387	965,449	148,141	44,246,977
2014	16,109,601	21,975,185	-	10,692,738	-	48,777,524	948,779	283,869	50,010,172
2015	30,211,468	15,268,490	11,875,467	31,122,101	-	88,477,526	1,905,409	270,305	90,653,240
2016	10,063,032	9,803,338	-	10,110,362	5,775,000	35,751,731	1,314,774	138,589	37,205,094
2017	16,412,039	26,237,418	8,602,103	13,392,264	3,320,727	67,964,551	639,392	294,246	68,898,189
2018	19,099,193	11,715,507	34,585,411	25,854,299	8,925,958	100,180,367	2,872,062	427,167	103,479,596
2019	14,573,438	7,546,236	26,303,814	3,483,232	3,143,329	55,050,049	1,279,719	235,013	56,564,781
2020	7,689,347	4,965,719	6,334,283	20,376,820	6,088,862	45,455,031	1,473,847	277,890	47,206,768
2021	-	-	-	-	5,775,000	5,775,000	1,989,345	257,625	8,021,969
2022 - 9 mo.	-	-	-	-	2,937,500	2,937,500	-	60,000	2,997,500
Totals:	448,384,694	334,768,056	301,599,854	465,946,013	51,065,353	1,601,763,971	49,817,015		1,661,416,661

Reported Claim Counts

Evaluated As of September 30, 2022

Reported Claim Counts @ 9/30/22
Accepted Claims AAA & AAD (Excluding DA Claims)

Birth Year	Accepted Claims AAA & AAD (Excluding DA Claims)						DA Claims	Denied Claims	All Reported (Accepted & Denied) Claim Cts. (7)+(8)+(9)
	Class A	Class B	Class C	Class D	Blank N/A	Combined	Reported Claim Cts.	Reported Claim Cts.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	4	0	0	2	5	11	4	17	32
1990	3	2	0	2	0	7	3	29	39
1991	1	2	0	1	0	4	4	30	38
1992	1	4	1	4	3	13	1	34	48
1993	4	3	2	3	1	13	2	25	40
1994	2	0	1	2	2	7	9	20	36
1995	0	3	1	2	0	6	5	15	26
1996	3	0	1	2	1	7	10	23	40
1997	2	1	3	3	2	11	6	30	47
1998	4	2	4	2	3	15	3	24	42
1999	6	2	0	0	1	9	9	22	40
2000	3	1	0	1	1	6	7	25	38
2001	2	0	2	0	0	4	9	28	41
2002	9	3	1	2	2	17	5	28	50
2003	1	2	0	0	0	3	6	14	23
2004	1	2	1	1	1	6	7	18	31
2005	5	2	1	2	1	11	2	28	41
2006	4	3	0	3	2	12	1	21	34
2007	5	2	0	0	3	10	5	21	36
2008	3	3	2	2	0	10	1	31	42
2009	4	1	2	3	1	11	6	33	50
2010	1	1	1	3	0	6	6	28	40
2011	3	1	2	4	2	12	2	30	44
2012	1	0	3	3	0	7	4	39	50
2013	5	0	0	2	1	8	3	21	32
2014	5	3	0	2	0	10	3	32	45
2015	6	2	2	4	0	14	6	30	50
2016	2	2	0	1	2	7	4	25	36
2017	4	4	1	2	2	13	2	31	46
2018	3	2	5	3	4	17	9	30	56
2019	3	1	4	1	2	11	4	32	47
2020	2	1	1	2	3	9	4	22	35
2021	0	0	0	0	2	2	5	16	23
2022 - 9 mo.	0	0	0	0	1	1	0	2	3
Totals:	102	55	41	64	48	310	157	854	1,321

Estimation of Outstanding Loss & Expense

Summary of Mortality Assumptions - Before and After Longitudinal Adjustment for Mortality Trend Average of Male and Female Factor

Selected Excess Death Rate 0.0350 0.0330 0.0370 0.0060 0.0050 0.0065

NICA Mortality (Q(x)) By Claim Classification

Data as of 12/31/21	Age	Selected Q (x) - Average of Male & Female Before Longitudinal Adjustment						Selected Q (x) - Average of Male & Female After Longitudinal Adjustment					
		Class A - Q(X)			Classes B, C & D - Q(X)			Class A - Q(X)			Classes B, C & D - Q(X)		
		Longitudinal Adjustment Factor	Best Estimate	High Life Exp. Estimate	Low Life Exp. Estimate	Best Estimate	High Life Exp. Estimate	Low Life Exp. Estimate	Best Estimate (2) X (3)	High Life Exp. Estimate (2) X (4)	Low Life Exp. Estimate (2) X (5)	Best Estimate (2) X (6)	High Life Exp. Estimate (2) X (7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
0	1.0000	0.0372	0.0356	0.0388	0.0140	0.0132	0.0144	0.0372	0.0356	0.0388	0.0140	0.0132	0.0144
1	1.0000	0.0288	0.0272	0.0304	0.0055	0.0047	0.0059	0.0288	0.0272	0.0304	0.0055	0.0047	0.0059
2	1.0000	0.0289	0.0273	0.0305	0.0053	0.0045	0.0057	0.0289	0.0273	0.0305	0.0053	0.0045	0.0057
3	1.0000	0.0292	0.0275	0.0308	0.0053	0.0045	0.0057	0.0292	0.0275	0.0308	0.0053	0.0045	0.0057
4	1.0000	0.0295	0.0278	0.0312	0.0053	0.0045	0.0057	0.0295	0.0278	0.0312	0.0053	0.0045	0.0057
5	1.0000	0.0299	0.0282	0.0316	0.0053	0.0045	0.0058	0.0299	0.0282	0.0316	0.0053	0.0045	0.0058
6	1.0000	0.0303	0.0286	0.0320	0.0054	0.0045	0.0058	0.0303	0.0286	0.0320	0.0054	0.0045	0.0058
7	1.0000	0.0307	0.0290	0.0324	0.0055	0.0046	0.0059	0.0307	0.0290	0.0324	0.0055	0.0046	0.0059
8	1.0000	0.0311	0.0294	0.0329	0.0055	0.0046	0.0060	0.0311	0.0294	0.0329	0.0055	0.0046	0.0060
9	1.0000	0.0316	0.0298	0.0334	0.0056	0.0047	0.0060	0.0316	0.0298	0.0334	0.0056	0.0047	0.0060
10	1.0000	0.0320	0.0302	0.0338	0.0056	0.0047	0.0061	0.0320	0.0302	0.0338	0.0056	0.0047	0.0061
11	1.0000	0.0325	0.0307	0.0344	0.0057	0.0048	0.0062	0.0325	0.0307	0.0344	0.0057	0.0048	0.0062
12	1.0000	0.0331	0.0312	0.0349	0.0059	0.0049	0.0063	0.0331	0.0312	0.0349	0.0059	0.0049	0.0063
13	1.0000	0.0337	0.0318	0.0356	0.0060	0.0051	0.0065	0.0337	0.0318	0.0356	0.0060	0.0051	0.0065
14	1.0000	0.0343	0.0324	0.0363	0.0063	0.0053	0.0067	0.0343	0.0324	0.0363	0.0063	0.0053	0.0067
15	1.0000	0.0350	0.0331	0.0370	0.0065	0.0055	0.0070	0.0350	0.0331	0.0370	0.0065	0.0055	0.0070
16	1.0000	0.0357	0.0337	0.0377	0.0067	0.0057	0.0072	0.0357	0.0337	0.0377	0.0067	0.0057	0.0072
17	1.0000	0.0364	0.0344	0.0385	0.0069	0.0059	0.0075	0.0364	0.0344	0.0385	0.0069	0.0059	0.0075
18	0.9965	0.0371	0.0350	0.0392	0.0071	0.0061	0.0076	0.0370	0.0349	0.0390	0.0071	0.0061	0.0076
19	0.9930	0.0377	0.0356	0.0398	0.0073	0.0062	0.0078	0.0375	0.0354	0.0396	0.0072	0.0062	0.0078
20	0.9895	0.0384	0.0363	0.0406	0.0074	0.0064	0.0080	0.0380	0.0359	0.0401	0.0074	0.0063	0.0079
21	0.9861	0.0391	0.0369	0.0413	0.0076	0.0065	0.0081	0.0386	0.0364	0.0407	0.0075	0.0064	0.0080
22	0.9826	0.0398	0.0376	0.0420	0.0078	0.0067	0.0083	0.0391	0.0370	0.0413	0.0076	0.0065	0.0082
23	0.9792	0.0405	0.0383	0.0428	0.0079	0.0068	0.0085	0.0397	0.0375	0.0419	0.0077	0.0066	0.0083
24	0.9758	0.0413	0.0390	0.0436	0.0080	0.0069	0.0086	0.0403	0.0380	0.0425	0.0078	0.0067	0.0084
25	0.9723	0.0420	0.0397	0.0444	0.0082	0.0070	0.0088	0.0409	0.0386	0.0431	0.0080	0.0068	0.0085
26	0.9689	0.0428	0.0404	0.0452	0.0083	0.0071	0.0089	0.0415	0.0392	0.0438	0.0081	0.0069	0.0086
27	0.9655	0.0436	0.0412	0.0461	0.0085	0.0073	0.0091	0.0421	0.0398	0.0445	0.0082	0.0070	0.0088
28	0.9622	0.0445	0.0421	0.0470	0.0087	0.0075	0.0093	0.0428	0.0405	0.0452	0.0084	0.0072	0.0090
29	0.9588	0.0455	0.0429	0.0480	0.0089	0.0077	0.0095	0.0436	0.0412	0.0460	0.0085	0.0073	0.0092
30	0.9554	0.0464	0.0439	0.0490	0.0092	0.0079	0.0098	0.0444	0.0419	0.0468	0.0087	0.0075	0.0094
31	0.9521	0.0474	0.0448	0.0501	0.0094	0.0081	0.0100	0.0452	0.0427	0.0477	0.0089	0.0077	0.0096
32	0.9488	0.0485	0.0458	0.0512	0.0096	0.0083	0.0103	0.0460	0.0435	0.0485	0.0091	0.0079	0.0098
33	0.9454	0.0496	0.0468	0.0523	0.0099	0.0085	0.0106	0.0469	0.0443	0.0494	0.0093	0.0080	0.0100
34	0.9421	0.0507	0.0479	0.0535	0.0101	0.0087	0.0108	0.0477	0.0451	0.0504	0.0095	0.0082	0.0102
35	0.9388	0.0518	0.0490	0.0547	0.0104	0.0090	0.0111	0.0487	0.0460	0.0514	0.0098	0.0084	0.0104
36	0.9356	0.0531	0.0502	0.0560	0.0107	0.0092	0.0114	0.0497	0.0469	0.0524	0.0100	0.0086	0.0107
37	0.9323	0.0544	0.0514	0.0573	0.0110	0.0095	0.0117	0.0507	0.0479	0.0535	0.0102	0.0088	0.0109
38	0.9290	0.0557	0.0526	0.0588	0.0113	0.0097	0.0120	0.0517	0.0489	0.0546	0.0105	0.0091	0.0112
39	0.9258	0.0571	0.0539	0.0602	0.0116	0.0100	0.0124	0.0528	0.0499	0.0557	0.0107	0.0093	0.0115
40	0.9225	0.0586	0.0553	0.0618	0.0119	0.0103	0.0127	0.0540	0.0510	0.0570	0.0110	0.0095	0.0118
41	0.9193	0.0601	0.0568	0.0634	0.0123	0.0107	0.0131	0.0553	0.0522	0.0583	0.0113	0.0098	0.0121
42	0.9161	0.0618	0.0584	0.0651	0.0127	0.0110	0.0136	0.0566	0.0535	0.0597	0.0116	0.0101	0.0124
43	0.9129	0.0635	0.0600	0.0670	0.0132	0.0114	0.0140	0.0580	0.0548	0.0611	0.0120	0.0104	0.0128
44	0.9097	0.0654	0.0618	0.0689	0.0136	0.0119	0.0145	0.0595	0.0562	0.0627	0.0124	0.0108	0.0132
45	0.9065	0.0673	0.0637	0.0710	0.0142	0.0123	0.0151	0.0610	0.0577	0.0644	0.0128	0.0112	0.0137
46	0.9033	0.0694	0.0657	0.0732	0.0147	0.0129	0.0157	0.0627	0.0593	0.0661	0.0133	0.0116	0.0142
47	0.9002	0.0717	0.0678	0.0755	0.0154	0.0134	0.0163	0.0645	0.0610	0.0680	0.0138	0.0121	0.0147
48	0.8970	0.0740	0.0700	0.0780	0.0161	0.0141	0.0171	0.0664	0.0628	0.0700	0.0144	0.0126	0.0153
49	0.8939	0.0766	0.0725	0.0807	0.0168	0.0148	0.0179	0.0685	0.0648	0.0721	0.0151	0.0132	0.0160
50	0.8907	0.0793	0.0750	0.0835	0.0177	0.0156	0.0187	0.0706	0.0668	0.0744	0.0158	0.0139	0.0167
51	0.8876	0.0822	0.0778	0.0865	0.0186	0.0164	0.0197	0.0729	0.0690	0.0768	0.0165	0.0146	0.0175
52	0.8845	0.0852	0.0807	0.0897	0.0196	0.0173	0.0207	0.0754	0.0714	0.0794	0.0173	0.0153	0.0183
53	0.8814	0.0884	0.0837	0.0931	0.0206	0.0182	0.0217	0.0779	0.0738	0.0820	0.0181	0.0161	0.0192
54	0.8783	0.0918	0.0870	0.0966	0.0217	0.0192	0.0229	0.0806	0.0764	0.0849	0.0190	0.0169	0.0201
55	0.8753	0.0954	0.0904	0.1004	0.0228	0.0203	0.0241	0.0835	0.0791	0.0879	0.0200	0.0178	0.0211
56	0.8722	0.0993	0.0941	0.1045	0.0241	0.0215	0.0254	0.0866	0.0821	0.0911	0.0210	0.0188	0.0222
57	0.8691	0.1034	0.0980	0.1088	0.0255	0.0228	0.0269	0.0899	0.0852	0.0946	0.0222	0.0198	0.0233
58	0.8661	0.1078	0.1022	0.1134	0.0270	0.0242	0.0284	0.0934	0.0885	0.0982	0.0234	0.0210	0.0246
59	0.8631	0.1125	0.1067	0.1183	0.0286	0.0257	0.0300	0.0971	0.0921	0.1021	0.0247	0.0222	0.0259
60	0.8601	0.1175	0.1115	0.1235	0.0303	0.0273	0.0318	0.1010	0.0959	0.1062	0.0261	0.0235	0.0274

Estimation of Outstanding Loss & Expense

Mortality By
Claim Class

Best Estimate Before Longitudinal Adjustment Data as of 12/31/21	All Classes Combined			Class A Only			Classes B,C & D Combined		
	EDR = 0.0160			EDR = 0.0350			EDR = 0.0060		
	Female LE		Before .50 Year Adjustment	Female LE		Before .50 Year Adjustment	Female LE		Before .50 Year Adjustment
	<u>Final (PLE) Adjusted Q(x) (d)</u>			<u>Final (PLE) Adjusted Q(x) (d)</u>			<u>Final (PLE) Adjusted Q(x) (d)</u>		
Age	Male	Female	Male	Female	Male	Female	Male	Female	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	0.02283	0.02118	38.17	0.03785	0.03652	23.55	0.01493	0.01311	56.07
1	0.01343	0.01362	37.70	0.02851	0.02903	23.25	0.00550	0.00551	55.38
2	0.01336	0.01356	37.21	0.02864	0.02915	22.95	0.00532	0.00535	54.68
3	0.01346	0.01362	36.73	0.02895	0.02941	22.65	0.00531	0.00530	53.97
4	0.01356	0.01371	36.24	0.02927	0.02971	22.34	0.00528	0.00529	53.25
5	0.01372	0.01387	35.75	0.02967	0.03008	22.03	0.00533	0.00533	52.54
6	0.01391	0.01404	35.26	0.03009	0.03047	21.73	0.00539	0.00539	51.82
7	0.01410	0.01421	34.77	0.03053	0.03087	21.42	0.00546	0.00545	51.11
8	0.01429	0.01439	34.27	0.03097	0.03128	21.11	0.00552	0.00551	50.39
9	0.01449	0.01458	33.78	0.03142	0.03171	20.80	0.00557	0.00557	49.67
10	0.01469	0.01478	33.29	0.03190	0.03215	20.49	0.00563	0.00563	48.96
11	0.01493	0.01499	32.79	0.03242	0.03262	20.18	0.00573	0.00571	48.24
12	0.01524	0.01523	32.30	0.03302	0.03312	19.87	0.00589	0.00582	47.52
13	0.01563	0.01551	31.81	0.03370	0.03366	19.57	0.00612	0.00595	46.80
14	0.01608	0.01581	31.32	0.03445	0.03424	19.26	0.00641	0.00611	46.09
15	0.01656	0.01612	30.83	0.03524	0.03483	18.96	0.00672	0.00628	45.38
16	0.01703	0.01644	30.35	0.03603	0.03544	18.65	0.00703	0.00644	44.68
17	0.01748	0.01675	29.87	0.03680	0.03604	18.35	0.00731	0.00659	43.97
18	0.01789	0.01703	29.38	0.03754	0.03663	18.05	0.00754	0.00671	43.27
19	0.01828	0.01730	28.90	0.03827	0.03722	17.75	0.00775	0.00681	42.57
20	0.01867	0.01757	28.42	0.03902	0.03782	17.44	0.00796	0.00692	41.86
21	0.01908	0.01786	27.93	0.03979	0.03844	17.14	0.00817	0.00703	41.16
22	0.01947	0.01816	27.45	0.04055	0.03909	16.84	0.00837	0.00715	40.46
23	0.01983	0.01848	26.97	0.04131	0.03977	16.53	0.00853	0.00728	39.75
24	0.02019	0.01882	26.49	0.04206	0.04048	16.23	0.00867	0.00741	39.05
25	0.02054	0.01916	26.00	0.04284	0.04121	15.93	0.00881	0.00756	38.35
26	0.02092	0.01952	25.52	0.04365	0.04197	15.63	0.00896	0.00770	37.64
27	0.02134	0.01989	25.04	0.04452	0.04276	15.33	0.00914	0.00786	36.94
28	0.02181	0.02029	24.56	0.04546	0.04358	15.02	0.00936	0.00803	36.24
29	0.02233	0.02070	24.08	0.04647	0.04444	14.72	0.00962	0.00821	35.54
30	0.02288	0.02114	23.60	0.04752	0.04533	14.42	0.00990	0.00840	34.84
31	0.02343	0.02159	23.12	0.04861	0.04627	14.12	0.01018	0.00860	34.15
32	0.02400	0.02206	22.64	0.04973	0.04723	13.82	0.01046	0.00881	33.45
33	0.02458	0.02254	22.16	0.05088	0.04823	13.52	0.01074	0.00902	32.75
34	0.02518	0.02304	21.68	0.05208	0.04928	13.22	0.01103	0.00924	32.06
35	0.02581	0.02357	21.21	0.05333	0.05037	12.92	0.01133	0.00947	31.36
36	0.02648	0.02413	20.73	0.05465	0.05151	12.63	0.01165	0.00972	30.67
37	0.02716	0.02471	20.26	0.05601	0.05270	12.33	0.01198	0.00998	29.98
38	0.02786	0.02533	19.78	0.05743	0.05395	12.03	0.01230	0.01026	29.29
39	0.02859	0.02597	19.31	0.05891	0.05525	11.74	0.01264	0.01055	28.61
40	0.02937	0.02665	18.84	0.06048	0.05663	11.44	0.01300	0.01087	27.92
41	0.03021	0.02737	18.37	0.06214	0.05808	11.15	0.01340	0.01121	27.24
42	0.03111	0.02814	17.90	0.06392	0.05960	10.85	0.01385	0.01158	26.56
43	0.03209	0.02895	17.43	0.06581	0.06121	10.56	0.01434	0.01197	25.88
44	0.03314	0.02981	16.97	0.06783	0.06290	10.27	0.01488	0.01240	25.20
45	0.03427	0.03073	16.51	0.06998	0.06469	9.98	0.01547	0.01286	24.53
46	0.03549	0.03171	16.05	0.07228	0.06658	9.69	0.01613	0.01335	23.86
47	0.03682	0.03276	15.59	0.07474	0.06859	9.40	0.01686	0.01390	23.20
48	0.03826	0.03388	15.14	0.07738	0.07072	9.12	0.01767	0.01449	22.54
49	0.03982	0.03508	14.69	0.08020	0.07297	8.84	0.01856	0.01513	21.89
50	0.04150	0.03636	14.24	0.08322	0.07536	8.56	0.01954	0.01583	21.24

Estimation of Outstanding Loss & Expense

Mortality By
Claim Class

Best Estimate Before Longitudinal Adjustment Data as of 12/31/21	All Classes Combined			Class A Only			Classes B,C & D Combined		
	EDR = 0.0160			EDR = 0.0350			EDR = 0.0060		
	Female LE		Before .50 Year Adjustment	Female LE		Before .50 Year Adjustment	Female LE		Before .50 Year Adjustment
	<u>Final (PLE) Adjusted Q(x) (d)</u>			<u>Final (PLE) Adjusted Q(x) (d)</u>			<u>Final (PLE) Adjusted Q(x) (d)</u>		
Age	Male	Female	Male	Female	Male	Female	Male	Female	Female LE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
51	0.04330	0.03772	13.80	0.08643	0.07789	8.28	0.02060	0.01658	20.60
52	0.04523	0.03915	13.36	0.08985	0.08054	8.00	0.02175	0.01736	19.96
53	0.04728	0.04064	12.93	0.09347	0.08333	7.73	0.02297	0.01818	19.33
54	0.04947	0.04222	12.50	0.09733	0.08627	7.46	0.02428	0.01904	18.70
55	0.05183	0.04391	12.07	0.10146	0.08939	7.19	0.02572	0.01997	18.09
56	0.05438	0.04572	11.65	0.10588	0.09271	6.93	0.02728	0.02098	17.47
57	0.05709	0.04766	11.24	0.11057	0.09627	6.67	0.02894	0.02208	16.87
58	0.05996	0.04976	10.82	0.11555	0.10006	6.41	0.03070	0.02328	16.27
59	0.06303	0.05201	10.42	0.12086	0.10411	6.15	0.03259	0.02458	15.68
60	0.06633	0.05442	10.02	0.12654	0.10842	5.90	0.03463	0.02599	15.10
61	0.06990	0.05699	9.62	0.13267	0.11302	5.65	0.03687	0.02751	14.53
62	0.07381	0.05973	9.23	0.13928	0.11790	5.41	0.03935	0.02912	13.96
63	0.07808	0.06264	8.85	0.14645	0.12309	5.17	0.04209	0.03083	13.41
64	0.08270	0.06575	8.48	0.15416	0.12862	4.93	0.04510	0.03266	12.86
65	0.08773	0.06911	8.10	0.16246	0.13456	4.70	0.04839	0.03466	12.32
66	0.09308	0.07273	7.74	0.17130	0.14093	4.47	0.05191	0.03683	11.79
67	0.09869	0.07656	7.38	0.18062	0.14771	4.25	0.05557	0.03911	11.27
68	0.10453	0.08061	7.03	0.19043	0.15492	4.02	0.05932	0.04150	10.76
69	0.11071	0.08495	6.68	0.20087	0.16265	3.80	0.06327	0.04406	10.25
70	0.11741	0.08971	6.34	0.21215	0.17105	3.59	0.06754	0.04689	9.76
71	0.12475	0.09492	6.00	0.22444	0.18021	3.38	0.07228	0.05003	9.27
72	0.13279	0.10055	5.68	0.23782	0.19010	3.17	0.07751	0.05342	8.80
73	0.14162	0.10665	5.35	0.25241	0.20080	2.97	0.08331	0.05709	8.33
74	0.15124	0.11330	5.04	0.26824	0.21245	2.77	0.08967	0.06111	7.87
75	0.16168	0.12068	4.73	0.28535	0.22527	2.58	0.09659	0.06563	7.42
76	0.17291	0.12884	4.43	0.30376	0.23935	2.39	0.10405	0.07068	6.99
77	0.18495	0.13773	4.14	0.32350	0.25468	2.20	0.11202	0.07618	6.56
78	0.19781	0.14741	3.85	0.34467	0.27139	2.02	0.12052	0.08215	6.15
79	0.21163	0.15804	3.57	0.36745	0.28973	1.85	0.12962	0.08873	5.75
80	0.22656	0.16986	3.30	0.39207	0.31001	1.68	0.13945	0.09610	5.36
81	0.24272	0.18305	3.05	0.41870	0.33250	1.51	0.15010	0.10439	4.99
82	0.26015	0.19768	2.80	0.44746	0.35736	1.36	0.16156	0.11364	4.63
83	0.27892	0.21388	2.56	0.47848	0.38480	1.21	0.17389	0.12392	4.28
84	0.29914	0.23179	2.33	0.51195	0.41506	1.06	0.18713	0.13534	3.95
85	0.32089	0.25155	2.11	0.54804	0.44839	0.92	0.20133	0.14795	3.64
86	0.34427	0.27329	1.90	0.58692	0.48503	0.79	0.21655	0.16185	3.34
87	0.36937	0.29715	1.71	0.62880	0.52525	0.67	0.23283	0.17709	3.06
88	0.39630	0.32326	1.52	0.67385	0.56930	0.55	0.25021	0.19377	2.79
89	0.42512	0.35178	1.35	0.72226	0.61747	0.44	0.26873	0.21194	2.55
90	0.45593	0.38282	1.19	0.77421	0.67000	0.34	0.28842	0.23167	2.31
91	0.48881	0.41650	1.04	0.82985	0.72714	0.24	0.30931	0.25301	2.10
92	0.52380	0.45291	0.90	0.88933	0.78905	0.15	0.33141	0.27599	1.90
93	0.56093	0.49208	0.77	0.95271	0.85581	0.07	0.35473	0.30064	1.71
94	0.60016	0.53395	0.65	0.99000	0.92730	0.01	0.37925	0.32692	1.55
95	0.64091	0.57761	0.55	0.99000	0.99000	0.01	0.40444	0.35404	1.39
96	0.68311	0.62287	0.45	0.99000	0.99000	0.01	0.43023	0.38183	1.25
97	0.72675	0.66959	0.36	0.99000	0.99000	0.01	0.45654	0.41009	1.13
98	0.77193	0.71778	0.28	0.99000	0.99000	0.01	0.48335	0.43869	1.01
99	0.81901	0.76778	0.20	0.99000	0.99000	0.01	0.51069	0.46761	0.89
100	0.87002	0.82247	0.12	0.99000	0.99000	0.01	0.54000	0.49890	0.78

Mortality Estimates Based on Constant Proportional Life Expectancy Method (PLE)

Example for Best Estimate - Classes B, C & D

Assumptions: (1) NICA Excess Death Rate (EDR) (a) ==> 0.0060
(2) Assumed Average Age of Experience ==> 16

**Life Expectation
at Age X Based on :**

<u>Age</u> (1)	<u>Life Expectation at Age X Based on :</u>		<u>Age Adjusted (PLE) EDR (c)</u>		<u>Final (PLE) Adjusted Q(x) (d)</u>	
	<u>Male (b)</u> <u>1990 Table</u> (2)	<u>Female (b)</u> <u>1990 Table</u> (3)	<u>Male</u> (4)	<u>Female</u> (5)	<u>Male</u> (6)	<u>Female</u> (7)
0	71.08	78.15	0.0047	0.0048	0.01493	0.01311
1	70.81	77.80	0.0048	0.0049	0.00550	0.00551
2	69.86	76.85	0.0048	0.0049	0.00532	0.00535
3	68.89	75.88	0.0049	0.0050	0.00531	0.00530
4	67.92	74.91	0.0050	0.0051	0.00528	0.00529
5	66.94	73.93	0.0050	0.0051	0.00533	0.00533
6	65.96	72.94	0.0051	0.0052	0.00539	0.00539
7	64.98	71.96	0.0052	0.0053	0.00546	0.00545
8	64.00	70.97	0.0053	0.0053	0.00552	0.00551
9	63.02	69.98	0.0053	0.0054	0.00557	0.00557
10	62.03	68.99	0.0054	0.0055	0.00563	0.00563
11	61.04	68.00	0.0055	0.0056	0.00573	0.00571
12	60.06	67.01	0.0056	0.0056	0.00589	0.00582
13	59.07	66.03	0.0057	0.0057	0.00612	0.00595
14	58.10	65.04	0.0058	0.0058	0.00641	0.00611
15	57.13	64.06	0.0059	0.0059	0.00672	0.00628
16	56.18	63.08	0.0060	0.0060	0.00703	0.00644
17	55.24	62.11	0.0061	0.0061	0.00731	0.00659
18	54.30	61.14	0.0062	0.0062	0.00754	0.00671
19	53.38	60.17	0.0063	0.0063	0.00775	0.00681
20	52.45	59.20	0.0064	0.0064	0.00796	0.00692
21	51.53	58.24	0.0065	0.0065	0.00817	0.00703
22	50.62	57.27	0.0067	0.0066	0.00837	0.00715
23	49.70	56.30	0.0068	0.0067	0.00853	0.00728
24	48.79	55.33	0.0069	0.0068	0.00867	0.00741
25	47.88	54.36	0.0070	0.0070	0.00881	0.00756
26	46.96	53.39	0.0072	0.0071	0.00896	0.00770
27	46.05	52.43	0.0073	0.0072	0.00914	0.00786
28	45.13	51.46	0.0075	0.0074	0.00936	0.00803
29	44.21	50.49	0.0076	0.0075	0.00962	0.00821
30	43.30	49.53	0.0078	0.0076	0.00990	0.00840
31	42.40	48.57	0.0080	0.0078	0.01018	0.00860
32	41.49	47.61	0.0081	0.0080	0.01046	0.00881
33	40.59	46.65	0.0083	0.0081	0.01074	0.00902
34	39.69	45.69	0.0085	0.0083	0.01103	0.00924
35	38.79	44.73	0.0087	0.0085	0.01133	0.00947
36	37.89	43.78	0.0089	0.0086	0.01165	0.00972
37	36.99	42.83	0.0091	0.0088	0.01198	0.00998
38	36.10	41.87	0.0093	0.0090	0.01230	0.01026
39	35.21	40.93	0.0096	0.0092	0.01264	0.01055

Notes: (a) Excess death rate (EDR) as selected based on the NICA experience - See Exhibit IV.

(b) Based on the Q(x) as shown for the 1990 US Life Tables.

(c) Excess death rate (EDR) at age X is calculated as the minimum of .90 and the product of EDR in Assumption (1) and the ratio of the remaining life expectancy at age 16 to the remaining life expectancy at age X.

Example ==> EDR 35 (Male) = EDR 16 X (LE 16 / LE 35) = .0060 X (56.18 / 38.79) = .0087

(d) Final selected mortality rate is a combination of the actual US Life Table Q(x) and the EDR as developed in columns (4) and (5).

Mortality Estimates Based on Constant Proportional Life Expectancy Method (PLE)

Example for Best Estimate - Classes B, C & D

Assumptions: (1) NICA Excess Death Rate (EDR) (a) ==> 0.0060
(2) Assumed Average Age of Experience ==> 16

**Life Expectation
at Age X Based on :**

<u>Age</u> (1)	<u>Life Expectation at Age X Based on :</u>		<u>Age Adjusted (PLE) EDR (c)</u>		<u>Final (PLE) Adjusted Q(x) (d)</u>	
	<u>Male (b)</u> <u>1990 Table</u> (2)	<u>Female (b)</u> <u>1990 Table</u> (3)	<u>Male</u> (4)	<u>Female</u> (5)	<u>Male</u> (6)	<u>Female</u> (7)
40	34.32	39.98	0.0098	0.0095	0.01300	0.01087
41	33.43	39.04	0.0101	0.0097	0.01340	0.01121
42	32.54	38.09	0.0104	0.0099	0.01385	0.01158
43	31.65	37.16	0.0106	0.0102	0.01434	0.01197
44	30.77	36.22	0.0110	0.0104	0.01488	0.01240
45	29.89	35.29	0.0113	0.0107	0.01547	0.01286
46	29.02	34.37	0.0116	0.0110	0.01613	0.01335
47	28.15	33.45	0.0120	0.0113	0.01686	0.01390
48	27.28	32.54	0.0124	0.0116	0.01767	0.01449
49	26.43	31.63	0.0128	0.0120	0.01856	0.01513
50	25.58	30.73	0.0132	0.0123	0.01954	0.01583
51	24.75	29.84	0.0136	0.0127	0.02060	0.01658
52	23.92	28.96	0.0141	0.0131	0.02175	0.01736
53	23.11	28.08	0.0146	0.0135	0.02297	0.01818
54	22.30	27.21	0.0151	0.0139	0.02428	0.01904
55	21.51	26.35	0.0157	0.0144	0.02572	0.01997
56	20.73	25.50	0.0163	0.0148	0.02728	0.02098
57	19.96	24.66	0.0169	0.0153	0.02894	0.02208
58	19.20	23.83	0.0176	0.0159	0.03070	0.02328
59	18.46	23.00	0.0183	0.0165	0.03259	0.02458
60	17.73	22.19	0.0190	0.0171	0.03463	0.02599
61	17.01	21.39	0.0198	0.0177	0.03687	0.02751
62	16.30	20.61	0.0207	0.0184	0.03935	0.02912
63	15.61	19.83	0.0216	0.0191	0.04209	0.03083
64	14.94	19.07	0.0226	0.0199	0.04510	0.03266
65	14.28	18.31	0.0236	0.0207	0.04839	0.03466
66	13.65	17.57	0.0247	0.0215	0.05191	0.03683
67	13.03	16.85	0.0259	0.0225	0.05557	0.03911
68	12.43	16.13	0.0271	0.0235	0.05932	0.04150
69	11.84	15.43	0.0285	0.0245	0.06327	0.04406
70	11.27	14.73	0.0299	0.0257	0.06754	0.04689
71	10.71	14.05	0.0315	0.0269	0.07228	0.05003
72	10.16	13.39	0.0332	0.0283	0.07751	0.05342
73	9.63	12.73	0.0350	0.0297	0.08331	0.05709
74	9.12	12.09	0.0369	0.0313	0.08967	0.06111
75	8.63	11.46	0.0391	0.0330	0.09659	0.06563
76	8.16	10.85	0.0413	0.0349	0.10405	0.07068
77	7.70	10.25	0.0438	0.0369	0.11202	0.07618
78	7.27	9.67	0.0464	0.0392	0.12052	0.08215
79	6.85	9.10	0.0492	0.0416	0.12962	0.08873

Notes: (a) Excess death rate (EDR) as selected based on the NICA experience - See Exhibit IV.

(b) Based on the Q(x) as shown for the 1990 US Life Tables.

(c) Excess death rate (EDR) at age X is calculated as the minimum of .90 and the product of EDR in Assumption (1) and the ratio of the remaining life expectancy at age 16 to the remaining life expectancy at age X.

Example ==> EDR 35 (Male) = EDR 16 X (LE 16 / LE 35) = .0060 X (56.18 / 38.79) = .0087

(d) Final selected mortality rate is a combination of the actual US Life Table Q(x) and the EDR as developed in columns (4) and (5).

Mortality Estimates Based on Constant Proportional Life Expectancy Method (PLE)

Example for Best Estimate - Classes B, C & D

Assumptions: (1) NICA Excess Death Rate (EDR) (a) ==> 0.0060
(2) Assumed Average Age of Experience ==> 16

**Life Expectation
at Age X Based on :**

<u>Age</u> (1)	<u>1990 Table</u>		<u>Age Adjusted (PLE) EDR (c)</u>		<u>Final (PLE) Adjusted Q(x) (d)</u>	
	<u>Male (b)</u> (2)	<u>Female (b)</u> (3)	<u>Male</u> (4)	<u>Female</u> (5)	<u>Male</u> (6)	<u>Female</u> (7)
80	6.45	8.55	0.0523	0.0443	0.13945	0.09610
81	6.07	8.02	0.0556	0.0472	0.15010	0.10439
82	5.70	7.51	0.0592	0.0504	0.16156	0.11364
83	5.35	7.01	0.0630	0.0540	0.17389	0.12392
84	5.02	6.54	0.0672	0.0579	0.18713	0.13534
85	4.70	6.09	0.0717	0.0622	0.20133	0.14795
86	4.40	5.66	0.0766	0.0669	0.21655	0.16185
87	4.11	5.25	0.0819	0.0720	0.23283	0.17709
88	3.85	4.87	0.0876	0.0777	0.25021	0.19377
89	3.59	4.51	0.0938	0.0839	0.26873	0.21194
90	3.35	4.17	0.1005	0.0907	0.28842	0.23167
91	3.13	3.86	0.1077	0.0981	0.30931	0.25301
92	2.92	3.57	0.1154	0.1061	0.33141	0.27599
93	2.72	3.30	0.1237	0.1149	0.35473	0.30064
94	2.54	3.05	0.1326	0.1242	0.37925	0.32692
95	2.38	2.82	0.1419	0.1341	0.40444	0.35404
96	2.22	2.62	0.1517	0.1446	0.43023	0.38183
97	2.08	2.43	0.1621	0.1557	0.45654	0.41009
98	1.95	2.26	0.1731	0.1675	0.48335	0.43869
99	1.82	2.10	0.1850	0.1801	0.51069	0.46761
100	1.70	1.95	0.1980	0.1941	0.54000	0.49890
101	1.59	1.80	0.2124	0.2098	0.57148	0.53283
102	1.48	1.67	0.2283	0.2273	0.60537	0.56974
103	1.37	1.53	0.2461	0.2470	0.64197	0.61000
104	1.27	1.41	0.2659	0.2693	0.68163	0.65410
105	1.17	1.28	0.2883	0.2948	0.72476	0.70262
106	1.07	1.17	0.3136	0.3240	0.77188	0.75628
107	0.98	1.06	0.3424	0.3578	0.82364	0.81601
108	0.90	0.95	0.3756	0.3973	0.88086	0.88299
109	0.81	0.85	0.4140	0.4439	0.94458	0.95875
110	0.73	0.76	0.4591	0.4995	0.99000	0.99000
111	0.66	0.67	0.5127	0.5664	0.99000	0.99000
112	0.58	0.59	0.5772	0.6466	0.99000	0.99000
113	0.51	0.51	0.6564	0.7371	0.99000	0.99000
114	0.45	0.45	0.7558	0.8487	0.99000	0.99000
115	0.38	0.38	0.8840	0.9000	0.99000	0.99000
116	0.32	0.32	0.9000	0.9000	0.99000	0.99000
117	0.26	0.26	0.9000	0.9000	0.99000	0.99000
118	0.20	0.20	0.9000	0.9000	0.99000	0.99000
119	0.14	0.14	0.9000	0.9000	0.99000	0.99000

Notes: (a) Excess death rate (EDR) as selected based on the NICA experience - See Exhibit IV.

(b) Based on the Q(x) as shown for the 1990 US Life Tables.

(c) Excess death rate (EDR) at age X is calculated as the minimum of .90 and the product of EDR in Assumption (1) and the ratio of the remaining life expectancy at age 16 to the remaining life expectancy at age X.

Example ==> EDR 35 (Male) = EDR 16 X (LE 16 / LE 35) = .0060 X (56.18 / 38.79) = .0087

(d) Final selected mortality rate is a combination of the actual US Life Table Q(x) and the EDR as developed in columns (4) and (5).

Class A
Claimants

	Age 6	Age 7	Age 8	Age 9	Age 10	Age 11	Age 12	Age 13	Age 14	Age 15	Age 16	Age 17	Age 18	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
Begin	90	86	79	75	68	66	62	61	56	51	45	40	35	
End	88	85	78	73	67	65	61	60	53	50	43	39	35	
Deceased	2	1	1	2	1	1	1	1	3	1	2	1	0	
NICA Q (X)	0.0222	0.0116	0.0127	0.0267	0.0147	0.0152	0.0161	0.0164	0.0536	0.0196	0.0444	0.0250	0.0000	
Standard Q (x)	0.00024	0.00023	0.00021	0.00019	0.00017	0.00018	0.00022	0.00032	0.00045	0.00060	0.00073	0.00085	0.00093	
Ratio	92.40	50.89	59.99	139.98	84.52	84.65	72.00	51.47	119.45	32.93	60.59	29.45	0.00	
Excess	0.0220	0.0114	0.0124	0.0265	0.0145	0.0150	0.0159	0.0161	0.0531	0.0190	0.0437	0.0242	-0.0009	
Std. Implied														
Begin	90	86	79	75	68	66	62	61	56	51	45	40	35	
Std. Deceased	0.0216	0.0197	0.0167	0.0143	0.0118	0.0118	0.0139	0.0194	0.0251	0.0304	0.0330	0.0340	0.0325	
End - Std.	89.98	85.98	78.98	74.99	67.99	65.99	61.99	60.98	55.97	50.97	44.97	39.97	34.97	
	Age 19	Age 20	Age 21	Age 22	Age 23	Age 24	Age 25	Age 26	Age 27	Age 28	Age 29	Age 30	Age 31	Age 32
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Begin	34	30	23	20	19	17	14	12	8	8	7	5	4	3
End	31	29	22	20	19	17	13	11	8	7	7	5	4	2
Deceased	3	1	1	0	0	0	1	1	0	1	0	0	0	1
NICA Q (X)	0.0882	0.0333	0.0435	0.0000	0.0000	0.0000	0.0714	0.0833	0.0000	0.1250	0.0000	0.0000	0.0000	0.3333
Standard Q (x)	0.00098	0.00103	0.00108	0.00112	0.00115	0.00117	0.00118	0.00120	0.00123	0.00128	0.00136	0.00144	0.00152	0.00160
Ratio	90.08	32.41	40.18	0.00	0.00	0.00	60.46	69.65	0.00	97.35	0.00	0.00	0.00	208.79
Excess	0.0873	0.0323	0.0424	-0.0011	-0.0012	-0.0012	0.0702	0.0821	-0.0012	0.1237	-0.0014	-0.0014	-0.0015	0.3317
Std. Implied														
Begin	34	30	23	20	19	17	14	12	8	8	7	5	4	3
Std. Deceased	0.0333	0.0309	0.0249	0.0225	0.0219	0.0199	0.0165	0.0144	0.0098	0.0103	0.0095	0.0072	0.0061	0.0048
End - Std.	33.97	29.97	22.98	19.98	18.98	16.98	13.98	11.99	7.99	7.99	6.99	4.99	3.99	3.00
Averages Over Various Ages														
		6 to 10		11 to 15		16 to 20		21 to 32		06 to 20	11 to 32	06 to 32	16 to 32	
Begin		398		296		184		140		878	620	1018	324	
End		391		289		177		135		857	601	992	312	
Deceased		7		7		7		5		21	19	26	12	
NICA Q (X)		0.0176		0.0236		0.0380		0.0357		0.0239	0.0306	0.0255	0.0370	
Standard Q (x)		0.0002		0.0003		0.0009		0.0012		0.0004	0.0007	0.0005	0.0010	
NICA Vs. Standard														
Ratio		83.25		69.57		42.79		29.83		60.29	44.00	50.39	36.23	
Excess		0.017		0.023		0.037		0.035		0.024	0.030	0.025	0.036	
Std. Implied														
Begin		398		296		184		140		878	620	1018	324	
Std. Deceased		0.0841		0.1006		0.1636		0.1676		0.3483	0.4319	0.5159	0.3312	
End - Std.		397.92		295.90		183.84		139.83		877.65	619.57	1017.48	323.67	
										Selected	Selected	Selected		
										EDR	EDR	EDR		
										Best	Low	High		
										0.035	0.033	0.037		

**Classes B, C
& D Clmts.**

	Age 6	Age 7	Age 8	Age 9	Age 10	Age 11	Age 12	Age 13	Age 14	Age 15	Age 16	Age 17	Age 18	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
Begin	133	130	122	114	111	105	98	93	87	80	77	70	64	
End	133	130	119	113	111	105	98	93	87	79	76	67	64	
Deceased	0	0	3	1	0	0	0	0	0	1	1	3	0	
NICA Q (X)	0.0000	0.0000	0.0246	0.0088	0.0000	0.0000	0.0000	0.0000	0.0000	0.0125	0.0130	0.0429	0.0000	
Standard Q (x)	0.00024	0.00023	0.00021	0.00019	0.00017	0.00018	0.00022	0.00032	0.00045	0.00060	0.00073	0.00085	0.00093	
Ratio	0.00	0.00	116.54	46.05	0.00	0.00	0.00	0.00	0.00	20.99	17.71	50.48	0.00	
Excess	-0.0002	-0.0002	0.0244	0.0086	-0.0002	-0.0002	-0.0002	-0.0003	-0.0004	0.0119	0.0123	0.0420	-0.0009	
Std. Implied														
Begin	133	130	122	114	111	105	98	93	87	80	77	70	64	
Std. Deceased	0.0320	0.0297	0.0257	0.0217	0.0193	0.0188	0.0220	0.0296	0.0390	0.0476	0.0565	0.0594	0.0594	
End - Std.	132.97	129.97	121.97	113.98	110.98	104.98	97.98	92.97	86.96	79.95	76.94	69.94	63.94	
	Age 19	Age 20	Age 21	Age 22	Age 23	Age 24	Age 25	Age 26	Age 27	Age 28	Age 29	Age 30	Age 31	Age 32
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Begin	60	58	52	50	48	47	39	32	29	24	20	15	7	4
End	60	58	52	50	48	47	39	32	29	23	20	15	7	4
Deceased	0	0	0	0	0	0	0	0	0	1	0	0	0	0
NICA Q (X)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0417	0.0000	0.0000	0.0000	0.0000
Standard Q (x)	0.00098	0.00103	0.00108	0.00112	0.00115	0.00117	0.00118	0.00120	0.00123	0.00128	0.00136	0.00144	0.00152	0.00160
Ratio	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.45	0.00	0.00	0.00	0.00
Excess	-0.0010	-0.0010	-0.0011	-0.0011	-0.0012	-0.0012	-0.0012	-0.0012	-0.0012	0.0404	-0.0014	-0.0014	-0.0015	-0.0016
Std. Implied														
Begin	60	58	52	50	48	47	39	32	29	24	20	15	7	4
Std. Deceased	0.0588	0.0597	0.0563	0.0562	0.0552	0.0549	0.0461	0.0383	0.0356	0.0308	0.0272	0.0216	0.0106	0.0064
End - Std.	59.94	57.94	51.94	49.94	47.94	46.95	38.95	31.96	28.96	23.97	19.97	14.98	6.99	3.99
Averages Over Various Ages														
	6 to 10		11 to 15			16 to 20		21 to 32		06 to 20		11 to 32	06 to 32	16 to 32
Begin	610		463			329		367		1402		1159	1769	696
End	606		462			325		366		1393		1153	1759	691
Deceased	4		1			4		1		9		6	10	5
NICA Q (X)	0.0066		0.0022			0.0122		0.0027		0.0064		0.0052	0.0057	0.0072
Standard Q (x)	0.0002		0.0003			0.0009		0.0012		0.0004		0.0008	0.0006	0.0011
Ratio	31.14		6.37			13.62		2.28		15.54		6.74	9.82	6.82
Excess	0.0063		0.0018			0.0113		0.0015		0.0060		0.0044	0.0051	0.0061
Std. Implied														
Begin	610		463			329		367		1402		1159	1769	696
Std. Deceased	0.1285		0.1570			0.2937		0.4391		0.5792		0.8899	1.0184	0.7329
End - Std.	609.87		462.84			328.71		366.56		1401.42		1158.11	1767.98	695.27
											Selected	Selected	Selected	
											EDR	EDR	EDR	
											Best	Low	High	
											0.0060	0.0050	0.0065	

Mortality Experience at Age 5 & Above

Class A Claimants

Birth Year	Total Claim Counts Alive at Age 5	Claims Age of Death 5 - 6	Claims Age of Death 6 - 7	Claims Age of Death 7 - 8	Claims Age of Death 8 - 9	Claims Age of Death 9 - 10	Claims Age of Death 10 - 11	Claims Age of Death 11 - 12	Claims Age of Death 12 - 13	Claims Age of Death 13 - 14	Claims Age of Death 14 - 15	Claims Age of Death 15 - 16	Claims Age of Death 16 - 17	Claims Age of Death 17 - 18
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1989	4	0	0	0	0	0	0	0	0	1	0	0	0	0
1990	3	0	0	0	0	0	0	0	0	0	0	1	0	0
1991	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	4	1	0	0	0	0	0	0	0	1	0	0	0	0
1994	2	0	0	0	1	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	3	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	2	0	0	0	0	0	0	0	0	0	0	0	1	0
1998	4	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	6	0	0	0	0	0	0	0	1	0	1	1	0	0
2000	3	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	9	0	0	0	0	0	0	1	0	1	0	0	0	0
2003	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2004	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	5	0	0	0	1	0	0	0	0	0	0	0	0	0
2006	4	0	0	0	0	0	1	0	0	0	0	0	0	0
2007	5	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	3	0	0	0	0	1	0	0	0	0	0	0	0	0
2009	4	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	1	0	1	0	0	0	0	0	0	0	0	0	0	0
2011	3	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	5	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	5	1	0	1	0	0	0	0	0	0	0	0	0	0
2015	6	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	90	2	1	1	2	1	1	1	1	3	1	2	1	0

Mortality Experience at Age 5 & Above

Class A Claimants

Birth Year	Claims Age of Death 18 - 19	Claims Age of Death 19 - 20	Claims Age of Death 20 - 21	Claims Age of Death 21 - 22	Claims Age of Death 22 - 23	Claims Age of Death 23 - 24	Claims Age of Death 24 - 25	Claims Age of Death 25 - 26	Claims Age of Death 26 - 27	Claims Age of Death 27 - 28	Claims Age of Death 28 - 29	Claims Age of Death 29 - 30	Claims Age of Death 30 - 31	Claims Age of Death 31 - 32	Claim Counts Alive @ 12/31/21
(1)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
1989	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1990	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1994	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
1997	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1998	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
1999	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1
2001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2002	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6
2003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
2006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
2008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
2010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	3	1	1	0	0	0	1	1	0	1	0	0	0	1	64

Florida Birth Related Neurological Injury Compensation Association (NICA)
Mortality Estimates Based on Constant Proportional Life Expectancy Method (PLE)

Mortality Experience at Age 5 & Above

**Class B, C &
D Claimants**

Birth Year	Total Claim Counts Alive at Age 5	Claims Age of Death 5 - 6	Claims Age of Death 6 - 7	Claims Age of Death 7 - 8	Claims Age of Death 8 - 9	Claims Age of Death 9 - 10	Claims Age of Death 10 - 11	Claims Age of Death 11 - 12	Claims Age of Death 12 - 13	Claims Age of Death 13 - 14	Claims Age of Death 14 - 15	Claims Age of Death 15 - 16	Claims Age of Death 16 - 17	Claims Age of Death 17 - 18
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1989	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	4	0	0	0	0	0	0	0	0	0	0	0	2	0
1991	3	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	9	0	0	0	0	0	0	0	0	0	0	0	1	0
1993	8	0	0	0	0	0	0	0	0	0	1	1	0	0
1994	3	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	6	0	0	1	0	0	0	0	0	0	0	0	0	0
1996	3	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	7	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	8	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	2	0	0	1	0	0	0	0	0	0	0	0	0	0
2000	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	6	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2004	4	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	5	0	0	1	1	0	0	0	0	0	0	0	0	0
2006	6	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	7	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	6	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	5	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	7	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	6	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	5	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	8	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	3	0	0	0	0	0	0	0	0	0	0	0	0	0
	133	0	0	3	1	0	0	0	0	0	1	1	3	0

Mortality Experience at Age 5 & Above

**Class B, C &
 D Claimants**

Birth Year	Claims Age of Death 18 - 19	Claims Age of Death 19 - 20	Claims Age of Death 20 - 21	Claims Age of Death 21 - 22	Claims Age of Death 22 - 23	Claims Age of Death 23 - 24	Claims Age of Death 24 - 25	Claims Age of Death 25 - 26	Claims Age of Death 26 - 27	Claims Age of Death 27 - 28	Claims Age of Death 28 - 29	Claims Age of Death 29 - 30	Claims Age of Death 30 - 31	Claims Age of Death 31 - 32	Claim Counts Alive @ 12/31/21
(1)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
1993	0	0	0	0	0	0	0	0	0	1	0	0	0	0	5
1994	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
1995	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
1996	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
1997	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
2003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
2006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
2009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
2010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
2016	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3
	0	0	0	0	0	0	0	0	0	1	0	0	0	0	123

Estimation of Outstanding Loss & Expense

Summary of Historical Inflation and Investment Returns

Year	CPI All Items % Change	CPI Medical Index % Chg	Large Company Stocks	Small Company Stocks	Inflation Index	Average Yield	Average Yield	Average Yield	NICA Actual Investment Return	NICA Estimated Inflation Nursing Care	NICA Actual Inflation Other Expense	NICA Actual Inflation All Expense
						Long-Term Gov't Bonds	Intermediate Gov't Bonds	Short-Term Gov't Bonds				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1925					1.000							
1926			11.62%	0.30%	0.985	3.54%	3.61%	3.27%				
1927	-2.26%		37.49%	22.03%	0.965	3.16%	3.40%	3.12%				
1928	-1.16%		43.61%	39.71%	0.955	3.40%	4.01%	3.56%				
1929	0.58%		-8.42%	-51.35%	0.957	3.40%	3.62%	4.75%				
1930	-6.40%		-24.90%	-38.10%	0.899	3.30%	2.91%	2.41%				
1931	-9.32%		-43.34%	-49.71%	0.814	4.07%	4.12%	1.07%				
1932	-10.27%		-8.19%	-5.41%	0.730	3.15%	3.04%	0.96%				
1933	0.76%		53.99%	142.45%	0.734	3.36%	3.25%	0.30%				
1934	1.52%		-1.44%	24.24%	0.749	2.93%	2.49%	0.16%				
1935	2.99%		47.67%	40.24%	0.771	2.76%	1.63%	0.17%				
1936	1.45%		33.92%	64.73%	0.780	2.55%	1.29%	0.18%				
1937	2.86%	0.98%	-35.03%	-58.01%	0.804	2.73%	1.14%	0.30%				
1938	-2.78%	0.00%	31.12%	32.82%	0.782	2.52%	1.52%	-0.02%				
1939	0.00%	0.97%	-0.41%	0.32%	0.778	2.26%	0.98%	0.02%				
1940	0.71%	0.00%	-9.78%	-5.14%	0.786	1.94%	0.57%	0.00%				
1941	9.93%	0.96%	-11.59%	-9.06%	0.862	2.04%	0.82%	0.06%				
1942	9.03%	3.81%	20.34%	44.59%	0.942	2.46%	0.72%	0.27%				
1943	2.96%	4.59%	25.90%	88.40%	0.972	2.48%	1.45%	0.35%				
1944	2.30%	2.63%	19.75%	53.70%	0.993	2.46%	1.40%	0.33%				
1945	2.25%	2.56%	36.44%	73.62%	1.015	1.99%	1.03%	0.33%				
1946	18.13%	8.33%	-8.07%	-11.63%	1.199	2.12%	1.12%	0.35%				
1947	8.84%	6.92%	5.71%	0.91%	1.307	2.43%	1.34%	0.50%				
1948	2.99%	5.76%	5.50%	-2.10%	1.343	2.37%	1.51%	0.81%				
1949	-2.07%	1.36%	18.79%	19.74%	1.318	2.09%	1.23%	1.10%				
1950	5.93%	3.36%	31.71%	38.74%	1.395	2.24%	1.62%	1.20%				
1951	6.00%	5.84%	24.02%	7.81%	1.477	2.69%	2.17%	1.49%				
1952	0.75%	4.29%	18.37%	3.03%	1.490	2.79%	2.35%	1.66%				
1953	0.75%	3.53%	-0.99%	-6.48%	1.499	2.74%	2.18%	1.82%				
1954	-0.74%	2.27%	52.62%	60.58%	1.492	2.72%	1.72%	0.86%				
1955	0.37%	3.33%	31.56%	20.44%	1.497	2.95%	2.80%	1.57%				
1956	2.99%	3.23%	6.56%	4.28%	1.540	3.45%	3.63%	2.46%				
1957	2.90%	4.69%	-10.78%	-14.57%	1.587	3.23%	2.84%	3.14%				
1958	1.76%	4.48%	43.36%	64.89%	1.615	3.82%	3.81%	1.54%				
1959	1.73%	3.81%	11.96%	16.40%	1.639	4.47%	4.98%	2.95%				
1960	1.36%	3.21%	0.47%	-3.29%	1.663	3.80%	3.31%	2.66%				
1961	0.67%	3.11%	26.89%	32.09%	1.674	4.15%	3.84%	2.13%				
1962	1.33%	2.16%	-8.73%	-11.90%	1.695	3.95%	3.50%	2.73%				
1963	1.64%	2.53%	22.80%	23.57%	1.723	4.17%	4.04%	3.12%				
1964	0.97%	2.06%	16.48%	23.52%	1.743	4.23%	4.03%	3.54%				
1965	1.92%	2.82%	12.45%	41.75%	1.777	4.50%	4.90%	3.93%				
1966	3.46%	6.67%	-10.06%	-7.01%	1.836	4.55%	4.79%	4.76%				
1967	3.04%	6.25%	23.98%	83.57%	1.892	5.56%	5.77%	4.21%				
1968	4.72%	6.23%	11.06%	35.97%	1.981	5.98%	5.96%	5.21%				
1969	6.20%	6.19%	-8.50%	-25.05%	2.102	6.87%	8.29%	6.58%				
1970	5.57%	7.36%	3.86%	-17.43%	2.218	6.48%	5.90%	6.52%				
1971	3.27%	4.57%	14.30%	16.50%	2.292	5.97%	5.25%	4.39%				

Estimation of Outstanding Loss & Expense

Summary of Historical Inflation and Investment Returns

Year	CPI All Items % Change	CPI Medical Index % Chg	Large Company Stocks	Small Company Stocks	Inflation Index	Average Yield	Average Yield	Average Yield	NICA Actual Investment Return	NICA Estimated Inflation Nursing Care	NICA Actual Inflation Other Expense	NICA Actual Inflation All Expense
						Long-Term Gov't Bonds	Intermediate Gov't Bonds	Short-Term Gov't Bonds				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1972	3.41%	3.28%	18.99%	4.43%	237.10%	5.99%	5.85%	3.84%				
1973	8.71%	5.29%	-14.69%	-30.90%	257.90%	7.26%	6.79%	6.93%				
1974	12.34%	12.56%	-26.47%	-19.95%	289.40%	7.60%	7.12%	8.00%				
1975	6.94%	9.82%	37.23%	52.82%	309.70%	8.05%	7.19%	5.80%				
1976	4.86%	9.96%	23.93%	57.38%	324.60%	7.21%	6.00%	5.08%				
1977	6.70%	8.87%	-7.16%	25.38%	346.60%	8.03%	7.51%	5.12%				
1978	9.02%	8.83%	6.57%	23.46%	377.80%	8.98%	8.83%	7.18%				
1979	13.29%	10.14%	18.61%	43.46%	428.10%	10.12%	10.33%	10.38%				
1980	12.52%	9.92%	32.50%	39.88%	481.20%	11.99%	12.45%	11.24%				
1981	8.92%	12.50%	-4.92%	13.88%	524.20%	13.34%	13.96%	14.71%				
1982	3.83%	11.00%	21.55%	28.01%	544.50%	10.95%	9.90%	10.54%				
1983	3.79%	6.40%	22.56%	39.67%	565.20%	11.97%	11.41%	8.80%				
1984	3.95%	6.11%	6.27%	-6.67%	587.50%	11.70%	11.04%	9.85%				
1985	3.80%	6.76%	31.73%	24.66%	6.097	9.56%	8.55%	7.72%				
1986	1.10%	7.71%	18.67%	6.85%	6.166	7.89%	6.85%	6.16%				
1987	4.43%	5.80%	5.25%	-9.30%	6.438	9.20%	8.32%	5.47%				
1988	4.42%	6.91%	16.61%	22.87%	6.722	9.18%	9.17%	6.35%				
1989	4.65%	8.50%	31.69%	10.18%	7.034	8.16%	7.94%	8.37%				
1990	6.11%	9.59%	-3.10%	-21.56%	7.464	8.44%	7.70%	7.81%		0.00%	5.89%	1.75%
1991	3.06%	7.92%	30.47%	44.63%	7.693	7.30%	5.97%	5.60%	5.88%	0.00%	4.98%	1.49%
1992	2.90%	6.63%	7.62%	23.35%	7.916	7.26%	6.11%	3.51%	3.27%	0.00%	4.15%	1.46%
1993	2.75%	5.39%	10.08%	20.98%	8.133	6.54%	5.22%	2.90%	3.12%	0.00%	3.92%	1.62%
1994	2.67%	4.92%	1.32%	3.11%	8.351	7.99%	7.80%	3.90%	3.62%	0.00%	3.82%	1.30%
1995	2.54%	3.95%	37.58%	34.46%	8.563	6.03%	5.38%	5.60%	6.96%	0.00%	3.60%	1.00%
1996	3.32%	3.04%	22.96%	17.62%	8.847	6.73%	6.16%	5.21%	5.79%	0.00%	3.52%	1.09%
1997	1.70%	2.82%	33.36%	22.78%	8.998	6.02%	5.73%	5.26%	6.10%	0.00%	2.96%	0.91%
1998	1.61%	3.42%	28.58%	-7.31%	9.143	5.42%	4.68%	4.86%	6.20%	0.00%	3.07%	0.92%
1999	2.68%	3.67%	21.04%	29.79%	9.389	6.82%	6.45%	4.68%	4.54%	0.00%	3.39%	0.97%
2000	3.39%	4.17%	-9.10%	-3.59%	9.707	5.58%	5.07%	5.89%	13.11%	0.00%	3.73%	0.98%
2001	1.55%	4.72%	-11.89%	22.77%	9.857	5.75%	4.42%	3.83%	3.98%	0.00%	3.15%	1.05%
2002	2.38%	5.05%	-22.11%	-13.28%	10.091	4.84%	2.61%	1.65%	-8.52%	0.00%	3.37%	1.22%
2003	1.88%	3.71%	28.68%	60.70%	10.281	5.11%	2.97%	1.02%	19.99%	0.00%	2.92%	0.99%
2004	3.26%	4.24%	10.88%	18.39%	10.618	4.84%	3.47%	1.20%	10.27%	0.00%	3.58%	1.42%
2005	3.42%	4.29%	4.91%	5.69%	10.978	4.61%	4.34%	2.98%	8.92%	0.00%	3.66%	1.41%
2006	2.54%	3.56%	15.79%	16.17%	11.257	4.91%	4.65%	4.80%	12.77%	0.00%	3.13%	0.99%
2007	4.08%	5.16%	5.49%	-5.22%	11.717	4.50%	3.28%	4.66%	8.72%	0.00%	4.14%	1.32%
2008	0.09%	2.65%	-37.00%	-36.72%	11.728	4.37%	3.18%	1.30%	-27.24%	14.38%	1.90%	6.50%
2009	2.72%	3.37%	26.46%	25.57%		4.11%	2.82%	0.10%	20.00%	13.56%	3.24%	7.62%
2010	1.50%	3.28%	15.06%	26.31%		4.03%	2.62%	0.11%	13.36%	0.00%	2.60%	0.78%
2011	2.96%	3.49%	2.11%	1.02%		3.62%	2.16%	0.04%	-0.10%	0.00%	3.29%	1.00%
2012	1.74%	3.21%	16.00%	16.33%		2.54%	1.22%	0.07%	10.88%	0.00%	2.87%	0.78%
2013	1.50%	2.01%	32.39%	41.31%		3.12%	1.74%	0.05%	12.58%	0.00%	2.27%	0.57%
2014	0.76%	2.96%	13.69%	5.76%		3.07%	2.14%	0.03%	5.64%	0.00%	2.22%	0.55%
2015	0.73%	2.58%	1.38%	-1.97%		2.55%	1.89%	0.04%	-1.84%	0.00%	1.80%	0.40%
2016	2.07%	4.07%	11.96%	26.56%		2.22%	1.63%	0.25%	6.72%	0.20%	2.96%	0.69%
2017	2.11%	1.78%	21.83%	13.23%		2.65%	2.16%	0.85%	13.81%	0.16%	2.28%	0.59%
2018	1.91%	2.01%	-4.38%	-8.48%		2.91%	2.75%	1.84%	-6.72%	0.00%	2.14%	0.48%
2019	2.29%	4.57%	31.49%	22.78%		2.14%	1.95%	2.12%	21.15%	0.00%	3.00%	0.57%
2020	1.36%	1.78%	18.40%	11.29%		0.89%	0.53%	0.35%	14.08%	0.00%	1.79%	0.33%
2021						1.45%	0.86%	0.04%		0.00%	2.40%	0.44%
Geometric Averages												
2000 to 2020	2.04%	3.42%	7.47%	10.45%		3.63%	2.62%	1.35%	6.26%	1.33%	2.81%	1.44%
1991 to 2020	2.22%	3.67%	10.07%	11.78%		4.51%	3.61%	2.36%	6.12%	0.92%	3.05%	1.35%
1972 to 1982	8.67%	9.87%	6.72%	19.67%		9.33%	8.98%	8.46%				
1982 to 1992	3.81%	7.23%	16.17%	11.55%		9.05%	8.29%	6.95%	0.90%			
1992 to 2002	2.46%	4.11%	9.34%	11.58%		6.17%	5.34%	4.37%	4.36%	0.00%	3.45%	1.10%
1929 to 1939	-2.04%	0.19%	-0.05%	1.38%		2.96%	2.23%	0.55%				
1939 to 1949	5.36%	3.66%	9.17%	20.69%		2.24%	1.12%	0.41%				
1949 to 1959	2.22%	3.88%	19.35%	16.90%		3.11%	2.81%	1.87%				
1959 to 1969	2.52%	4.11%	7.81%	15.53%		4.77%	4.83%	3.88%				
1969 to 1979	7.36%	8.03%	5.87%	11.49%		7.56%	7.07%	6.31%				
1979 to 1989	5.10%	8.14%	17.55%	15.83%		10.38%	9.94%	8.89%				

Agenda Item # 4.B. (Tab F)

Threshold Report

FLORIDA BIRTH RELATED NEUROLOGICAL INJURY COMPENSATION ASSOCIATION

CALCULATION OF THRESHOLD FOR SUSPENSION OF CLAIMS
(Section 766.314(9), Florida Statutes)

CALCULATION OF THRESHOLD FOR SUSPENSION OF CLAIMS

	As of 9 30 21 (a) ----- (2)	As of 12 31 21 (b) ----- (3)	As of 3 31 22 (b) ----- (4)	As of 6 30 22 (b) ----- (5)	As of 9 30 22 (b) ----- (6)	
I.						
1	Funds on hand	1,664,383,766	1,717,315,924	1,561,811,183	1,333,774,037	1,232,399,501
2	Funds available within 12 months (Exhibit I, Part A)	161,238,567	164,943,181	161,400,910	149,999,053	148,013,581
3	Total	1,825,622,333	1,882,259,105	1,723,212,094	1,483,773,090	1,380,413,082
II.	Threshold for suspension (80% of line I.3.)	1,460,497,866	1,505,807,284	1,378,569,675	1,187,018,472	1,104,330,465
III.						
1	Present Value Loss+LAE Reserve on Filed Claims (b)	1,129,498,318	1,011,833,465	1,002,768,349	1,004,877,789	1,090,885,007
2	Amount of claims that can be accepted (II. - III.1.)	330,999,549	493,973,819	375,801,326	182,140,683	13,445,458

Notes: (a) See latest annual NICA threshold calculation summary evaluated as of September 30, 2021.
(b) See Exhibit II for Item I.1, Exhibit I, Sheet 2 for Item I.2 and Exhibit III, Sheets 1a, 1b, 1c, and 1d for Item III.1.

CALCULATION OF THRESHOLD FOR SUSPENSION OF CLAIMS
(Section 766.314(9), Florida Statutes)

Summary of Interim Funds Available - Threshold Calculation

Description	As of 9 30 21 (2)	As of 12 31 21 (3)	As of 3 31 22 (4)	As of 6 30 22 (5)	As of 9 30 22 (6)	
A. FUNDS AVAILABLE WITHIN THE NEXT 12 MONTHS						
1 Assessments from health care providers. (Fiscal year Ending 6/30/2021 and 2022 from NICA)	31,799,087	31,799,087	35,830,483	35,830,483	35,830,483	
2 Assessments against insurance companies (From C.3) (a)	25,688,344	25,688,344	25,688,344	25,688,344	28,771,598	
3 Transfer from the Florida Office of Insurance Regulation	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000	
4 Reinsurance recovery - actual anticipated recoveries within 12 Months	-	-	-	-	-	
5 Income on invested funds (A.1 + A.4 + B.2) x B.5.d	83,751,136	87,455,751	79,882,083	68,480,226	63,411,499	
6 Total	161,238,567	164,943,181	161,400,910	149,999,053	148,013,581	
B. RETURN ON INVESTED ASSETS						
1 Investments at beginning of period at market value	1,504,973,182	1,643,223,638	1,717,315,924	1,561,811,183	1,333,774,037	
2 Investments at end of period at market value	1,643,223,638	1,717,315,924	1,561,811,183	1,333,774,037	1,232,399,501	
3 Average invested assets	1,574,098,410	1,680,269,781	1,561,811,183	1,333,774,037	1,232,399,501	
4 a. Net investment income excluding change in unrealized gains / losses for latest twelve months	80,301,877	72,829,863	56,348,921	40,818,902	20,983,572	
b. Change in unrealized capital gains / losses for latest twelve months	91,313,579	19,040,070	(79,432,276)	(345,118,191)	(400,376,038)	
5 Calculated annual return on investments						
a. Excluding change in unrealized gains / losses for latest twelve months (B.4.a) / (B.3)	5.10%	4.33%	3.61%	3.06%	1.70%	
b. Including change in unrealized gains / losses for latest twelve months [(B.4.a) + (B.4.b)] / (B.3)	10.90%	5.47%	-1.48%	-22.81%	-30.78%	
c. Average annual return excluding change in unrealized gains / losses over latest 5 years	4.22%	N / A	N / A	N / A	3.91%	
d. Selected prospective annual return on investments	5.00%	5.00%	5.00%	5.00%	5.00%	
C. ASSESSMENTS AGAINST INSURANCE COMPANIES.						
1 Assessment rate (From Florida Statute)	0.25%	0.25%	0.25%	0.25%	0.25%	
2 Net Direct Premium Written (From D.h) (a)	10,275,337,500	10,275,337,500	10,275,337,500	10,275,337,500	11,508,639,326	
3 Assessment against insurance companies C.1 x C.2	25,688,344	25,688,344	25,688,344	25,688,344	28,771,598	
D. NET DIRECT PREMIUM WRITTEN (a)						
<u>Line of Insurance</u>	<u>2019 Direct Written Premium</u>	<u>% Liability (b)</u>	<u>Liability Premium</u>	<u>2020 Direct Written Premium</u>	<u>% Liability (b)</u>	<u>Liability Premium</u>
a. Farmowners	\$23,427,545	20%	\$4,685,509	\$22,873,508	20%	\$4,574,702
b. Homeowners	\$10,080,722,267	20%	\$2,016,144,453	\$11,108,803,863	20%	\$2,221,760,773
c. Commercial Multi-Peril - Liability	\$855,273,964	100%	\$855,273,964	\$875,444,456	100%	\$875,444,456
d. Medical Malpractice	\$647,865,265	100%	\$647,865,265	\$748,508,040	100%	\$748,508,040
e. Other Liability	\$6,439,529,900	100%	\$6,439,529,900	\$7,315,313,332	100%	\$7,315,313,332
f. Products Liability	\$244,001,569	100%	\$244,001,569	\$263,313,022	100%	\$263,313,022
g. Aircraft	\$135,673,680	50%	\$67,836,840	\$159,450,003	50%	\$79,725,002
h. Total	\$18,426,494,190		\$10,275,337,500	\$20,493,706,224		\$11,508,639,326

Notes: (a) The estimated assessment amount for the evaluation as of 9/30/2022 is based on the 2020 information as shown in the OIR 2021 report.
The estimated assessment amounts for the evaluations from 9/30/2021 through 6/30/2022 are based on the 2019 information as shown in the OIR 2020 report.
(b) The estimated percent of the direct written premium attributable to liability is based on judgment.

CALCULATION OF THRESHOLD FOR SUSPENSION OF CLAIMS
 (Section 766.314(9), Florida Statutes)

Summary of Invested Assets - as of 12/31/2021, 3/31/2022, 6/30/2022, and 9/30/2022

Description ----- (1)	Balance as of 12 31 21 ----- (2)	Balance as of 3 31 22 ----- (3)	Balance as of 6 30 22 ----- (4)	Balance as of 9 30 22 ----- (5)
(1) Mellon Account Balance (a)	1,696,365,082	1,542,959,726	1,317,241,540	1,203,447,434
(2) SPIA Balance (a)	277,254	277,717	278,008	278,738
(3) Annuity Values (b)				
(a) Contract # 002	7,903,813	7,200,858	6,263,079	5,377,936
(b) Contract # 003	12,769,774	11,372,883	9,991,410	8,872,349
(4) Cash Balance (a)	N/A	N/A	N/A	14,423,044
(5) Invested Assets (1) + (2) + (3a) + (3b) + (4)	1,717,315,924	1,561,811,183	1,333,774,037	1,232,399,501

Notes: (a) Provided by NICA.

(b) See NICA annuity valuation letter related to evaluation as of December 31, 2021, March 31, 2022, June 30, 2022, and September 30, 2022

CALCULATION OF THRESHOLD FOR SUSPENSION OF CLAIMS
(Section 766.314(9), Florida Statutes)

Indicated Amounts of Outstanding Loss & LAE - After Inflation and Discount
From Reserve Report to Threshold Calculation

Removal of Unreported and Family Care Outstanding Loss & LAE

Evaluated as of September 30, 2022

Outstanding Loss & LAE Reserves - After Inflation and Discount
Before and After Adjustment for the Exclusion of Unreported Claims and
Family Care Claims as Defined for use in the Threshold Calculation

Year of Birth	Outstanding Loss & LAE as Shown in 9 30 22 Report Incl. F.C & Unreported Claims (a)	Outstanding Loss & LAE as Shown in 9 30 22 Report Incl. F.C But Excluding Unreported Claims (a)	Reported Family Care (b) Outstanding Loss & ALAE	Outstanding Loss & LAE After Removal of Unreported Claims and F.C. Reported as of 9 30 22 (3) - (4)
(1)	(2)	(3)	(4)	(5)
1989	13,000,278	13,000,278		13,000,278
1990	12,973,438	12,973,438		12,973,438
1991	18,213,983	18,213,983		18,213,983
1992	43,222,793	43,222,793		43,222,793
1993	32,152,160	32,152,160		32,152,160
1994	15,283,160	15,283,160		15,283,160
1995	26,005,578	26,005,578		26,005,578
1996	27,191,495	27,191,495		27,191,495
1997	41,131,871	41,131,871		41,131,871
1998	54,252,663	54,252,663		54,252,663
1999	13,309,422	13,309,422		13,309,422
2000	14,812,309	14,812,309		14,812,309
2001	18,729,136	18,729,136		18,729,136
2002	57,370,121	57,370,121	4,133,893	53,236,228
2003	15,894,559	15,894,559	1,584,979	14,309,580
2004	26,542,691	26,542,691	2,005,627	24,537,064
2005	32,735,273	32,735,273	4,057,352	28,677,920
2006	47,375,526	47,375,526	6,111,965	41,263,561
2007	31,052,155	31,052,155	2,056,282	28,995,873
2008	48,820,991	48,820,991	4,886,109	43,934,883
2009	50,268,354	50,268,354	7,920,147	42,348,207
2010	29,482,514	29,482,514	1,208,924	28,273,590
2011	52,944,564	52,944,564	9,474,393	43,470,171
2012	39,900,220	39,900,220	4,466,373	35,433,846
2013	31,013,336	31,013,336	3,879,764	27,133,572
2014	40,607,578	40,607,578	5,245,426	35,362,152
2015	70,492,624	70,492,624	12,035,242	58,457,381
2016	36,753,946	36,753,946	4,620,473	32,133,473
2017	66,925,245	61,777,149	7,740,264	54,036,885
2018	91,425,983	86,047,984	13,193,438	72,854,546
2019	61,820,461	51,517,051	9,071,557	42,445,494
2020	63,393,256	42,262,171	4,768,813	37,493,358
2021	59,571,948	10,831,263	-	10,831,263
2022 - 9 mo	56,465,583	5,377,675	-	5,377,675
Totals:	1,341,135,214	1,199,346,030	108,461,023	1,090,885,007

Notes: (a) See Exhibit III, Sheet 3a, Columns (4) and (9).
(b) See Exhibit III, Sheet 2a, Column. (4).

CALCULATION OF THRESHOLD FOR SUSPENSION OF CLAIMS
(Section 766.314(9), Florida Statutes)

Indicated Amounts of Outstanding Loss & LAE - After Inflation and Discount
From Reserve Report to Threshold Calculation

Removal of Unreported and Family Care Outstanding Loss & LAE

Evaluated as of June 30, 2022

Outstanding Loss & LAE Reserves - After Inflation and Discount
Before and After Adjustment for the Exclusion of Unreported Claims and
Family Care Claims as Defined for use in the Threshold Calculation

Year of Birth	Outstanding Loss & LAE as Shown in 6 30 22 Report Incl. F.C & Unreported Claims (a)	Outstanding Loss & LAE as Shown in 6 30 22 Report Incl. F.C But Excluding Unreported Claims (a)	Reported Family Care (b) Outstanding Loss & ALAE	Outstanding Loss & LAE After Removal of Unreported Claims and F.C. Reported as of 6 30 22 (3) - (4)
(1)	(2)	(3)	(4)	(5)
1989	12,193,759	12,193,759		12,193,759
1990	12,413,133	12,413,133		12,413,133
1991	17,423,265	17,423,265		17,423,265
1992	41,188,716	41,188,716		41,188,716
1993	30,537,702	30,537,702		30,537,702
1994	14,817,207	14,817,207		14,817,207
1995	24,721,211	24,721,211		24,721,211
1996	25,299,520	25,299,520		25,299,520
1997	39,120,906	39,120,906		39,120,906
1998	51,162,839	51,162,839		51,162,839
1999	12,116,064	12,116,064		12,116,064
2000	13,898,850	13,898,850		13,898,850
2001	17,474,082	17,474,082		17,474,082
2002	52,803,838	52,803,838	3,435,406	49,368,431
2003	14,190,359	14,190,359	1,303,811	12,886,548
2004	24,886,436	24,886,436	1,686,667	23,199,768
2005	30,181,294	30,181,294	3,377,941	26,803,353
2006	42,981,193	42,981,193	5,071,213	37,909,981
2007	28,388,389	28,388,389	1,699,395	26,688,994
2008	45,239,801	45,239,801	4,088,400	41,151,401
2009	46,756,229	46,756,229	6,653,953	40,102,276
2010	27,465,746	27,465,746	1,013,247	26,452,499
2011	49,297,185	49,297,185	7,946,930	41,350,256
2012	36,903,617	36,903,617	3,755,434	33,148,183
2013	28,559,405	28,559,405	3,265,567	25,293,838
2014	37,918,040	37,918,040	3,298,956	34,619,084
2015	65,048,543	65,048,543	10,110,822	54,937,721
2016	29,154,195	29,154,195	3,959,826	25,194,369
2017	62,764,531	57,936,490	6,527,343	51,409,147
2018	81,422,180	76,333,293	11,244,555	65,088,738
2019	63,327,715	48,713,627	7,713,758	40,999,869
2020	64,852,912	34,920,799	4,119,256	30,801,543
2021	61,254,453	5,104,538	-	5,104,538
2022 - 6 mo	35,851,433	-	-	-
Totals:	1,241,614,746	1,095,150,269	90,272,481	1,004,877,789

Notes: (a) See Exhibit III, Sheet 3b, Columns (4) and (9).
(b) See Exhibit III, Sheet 2b, Column. (4).

CALCULATION OF THRESHOLD FOR SUSPENSION OF CLAIMS
(Section 766.314(9), Florida Statutes)

Indicated Amounts of Outstanding Loss & LAE - After Inflation and Discount
From Reserve Report to Threshold Calculation

Removal of Unreported and Family Care Outstanding Loss & LAE

Evaluated as of March 31, 2022

Outstanding Loss & LAE Reserves - After Inflation and Discount
Before and After Adjustment for the Exclusion of Unreported Claims and
Family Care Claims as Defined for use in the Threshold Calculation

Year of Birth	Outstanding Loss & LAE as Shown in 3 31 22 Report Incl. F.C & Unreported Claims (a)	Outstanding Loss & LAE as Shown in 3 31 22 Report Incl. F.C But Excluding Unreported Claims (a)	Reported Family Care (b) Outstanding Loss & ALAE	Outstanding Loss & LAE After Removal of Unreported Claims and F.C. Reported as of 3 31 22 (3) - (4)
(1)	(2)	(3)	(4)	(5)
1989	12,276,440	12,276,440		12,276,440
1990	12,444,079	12,444,079		12,444,079
1991	17,476,593	17,476,593		17,476,593
1992	41,381,716	41,381,716		41,381,716
1993	30,714,059	30,714,059		30,714,059
1994	14,871,715	14,871,715		14,871,715
1995	24,810,023	24,810,023		24,810,023
1996	25,474,814	25,474,814		25,474,814
1997	39,281,332	39,281,332		39,281,332
1998	51,377,033	51,377,033		51,377,033
1999	12,200,503	12,200,503		12,200,503
2000	13,960,368	13,960,368		13,960,368
2001	17,570,530	17,570,530		17,570,530
2002	53,091,407	53,091,407	3,477,905	49,613,502
2003	14,230,880	14,230,880	1,319,391	12,911,489
2004	24,942,287	24,942,287	1,696,621	23,245,666
2005	30,304,201	30,304,201	3,414,151	26,890,050
2006	43,101,558	43,101,558	5,119,423	37,982,135
2007	28,528,773	28,528,773	1,725,685	26,803,087
2008	45,334,177	45,334,177	4,119,661	41,214,516
2009	46,900,033	46,900,033	6,699,694	40,200,339
2010	27,501,152	27,501,152	1,020,138	26,481,014
2011	49,323,140	49,323,140	8,001,803	41,321,337
2012	36,929,175	36,929,175	3,770,560	33,158,615
2013	28,626,414	28,626,414	3,285,259	25,341,155
2014	37,942,942	37,942,942	3,324,636	34,618,306
2015	64,952,804	64,952,804	10,156,627	54,796,177
2016	29,064,309	29,064,309	3,959,945	25,104,364
2017	62,906,482	58,067,522	6,570,282	51,497,239
2018	81,578,606	76,479,943	11,282,605	65,197,338
2019	64,009,939	49,238,415	7,761,529	41,476,886
2020	65,407,083	35,219,199	4,143,270	31,075,928
2021	60,532,564	-	-	-
2022 - 3 mo	17,755,139	-	-	-
Totals:	1,226,802,272	1,093,617,537	90,849,189	1,002,768,349

Notes: (a) See Exhibit III, Sheet 3c, Columns (4) and (9).
(b) See Exhibit III, Sheet 2c, Column. (4).

CALCULATION OF THRESHOLD FOR SUSPENSION OF CLAIMS
(Section 766.314(9), Florida Statutes)

Indicated Amounts of Outstanding Loss & LAE - After Inflation and Discount
From Reserve Report to Threshold Calculation

Removal of Unreported and Family Care Outstanding Loss & LAE

Evaluated as of December 31, 2021

Outstanding Loss & LAE Reserves - After Inflation and Discount
Before and After Adjustment for the Exclusion of Unreported Claims and
Family Care Claims as Defined for use in the Threshold Calculation

Year of Birth	Outstanding Loss & LAE as Shown in 12 31 21 Report Incl. F.C & Unreported Claims (a)	Outstanding Loss & LAE as Shown in 12 31 21 Report Incl. F.C But Excluding Unreported Claims (a)	Reported Family Care (b) Outstanding Loss & ALAE	Outstanding Loss & LAE After Removal of Unreported Claims and F.C. Reported as of 12 31 21 (3) - (4)
(1)	(2)	(3)	(4)	(5)
1989	12,482,592	12,482,592		12,482,592
1990	12,701,843	12,701,843		12,701,843
1991	17,705,437	17,705,437		17,705,437
1992	41,990,250	41,990,250		41,990,250
1993	31,199,074	31,199,074		31,199,074
1994	15,073,156	15,073,156		15,073,156
1995	25,146,623	25,146,623		25,146,623
1996	25,904,286	25,904,286		25,904,286
1997	39,831,360	39,831,360		39,831,360
1998	52,104,557	52,104,557		52,104,557
1999	12,407,193	12,407,193		12,407,193
2000	14,161,119	14,161,119		14,161,119
2001	17,843,259	17,843,259		17,843,259
2002	53,911,835	53,911,835	3,553,762	50,358,074
2003	14,412,496	14,412,496	1,348,185	13,064,311
2004	25,245,241	25,245,241	1,725,849	23,519,393
2005	30,728,827	30,728,827	3,489,283	27,239,544
2006	43,648,311	43,648,311	5,218,613	38,429,698
2007	28,953,934	28,953,934	1,768,508	27,185,426
2008	45,890,048	45,890,048	4,191,175	41,698,872
2009	47,510,090	47,510,090	6,813,436	40,696,654
2010	27,807,746	27,807,746	1,036,537	26,771,209
2011	50,034,053	50,034,053	8,144,248	41,889,805
2012	37,400,181	37,400,181	3,825,316	33,574,866
2013	28,977,766	28,977,766	3,338,327	25,639,438
2014	38,342,858	38,342,858	3,382,712	34,960,147
2015	65,806,960	65,806,960	10,317,421	55,489,539
2016	23,967,497	23,967,497	4,054,180	19,913,317
2017	63,444,465	58,564,121	6,149,097	52,415,024
2018	81,817,769	71,590,548	10,377,430	61,213,118
2019	69,049,636	49,321,168	6,433,754	42,887,414
2020	77,864,715	36,336,867	-	36,336,867
2021	61,642,671	-	-	-
Totals:	1,235,007,848	1,097,001,297	85,167,832	1,011,833,465

Notes: (a) See Exhibit III, Sheet 3d, Columns (4) and (9).
(b) See Exhibit III, Sheet 2d, Column. (4).

CALCULATION OF THRESHOLD FOR SUSPENSION OF CLAIMS
(Section 766.314(9), Florida Statutes)

Indicated Amounts of Outstanding Loss & LAE - After Inflation and Discount
From Reserve Report to Threshold Calculation

Adjustment of Family Care Reserves to Include Consideration of Inflation and Discount

Evaluated as of September 30, 2022

Year of Birth	Outstanding Family Care Loss & ALAE Excluding Unreported Loss & ALAE as of 9 30 22			Indicated Average Inflation / Discount Factors as of 9 30 22		
	Current Level Provided By NICA	Inflation / Discount Factor See Col. (7)	Reported Family Care After Inflation / Discount (2) X (3)	2022 Level Selected Outstanding Loss & ALAE (a)	Selected Outstanding Loss & ALAE after Inflation / Discount (a)	Indicated Average Inflation / Discount Factor (6) / (5)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1989				16,250,330	12,804,835	0.7880
1990				16,347,808	12,778,398	0.7817
1991				23,210,211	17,940,158	0.7729
1992				56,167,677	42,572,990	0.7580
1993				41,256,014	31,668,791	0.7676
1994				20,268,636	15,053,396	0.7427
1995				34,586,403	25,614,615	0.7406
1996				34,280,774	26,782,704	0.7813
1997				54,540,446	40,513,503	0.7428
1998				71,238,788	53,437,039	0.7501
1999				16,560,449	13,109,330	0.7916
2000				19,491,294	14,589,624	0.7485
2001				24,246,731	18,447,566	0.7608
2002	5,442,437	0.7596	4,133,893	74,394,578	56,507,630	0.7596
2003	2,124,124	0.7462	1,584,979	20,980,994	15,655,604	0.7462
2004	2,781,592	0.7210	2,005,627	36,258,467	26,143,654	0.7210
2005	5,382,381	0.7538	4,057,352	42,772,929	32,243,137	0.7538
2006	8,373,856	0.7299	6,111,965	63,932,252	46,663,292	0.7299
2007	2,691,507	0.7640	2,056,282	40,033,724	30,585,323	0.7640
2008	6,898,222	0.7083	4,886,109	67,889,402	48,087,026	0.7083
2009	11,040,897	0.7173	7,920,147	69,021,930	49,512,630	0.7173
2010	1,770,104	0.6830	1,208,924	42,519,248	29,039,280	0.6830
2011	13,512,848	0.7011	9,474,393	74,376,922	52,148,606	0.7011
2012	6,504,500	0.6867	4,466,373	57,234,186	39,300,368	0.6867
2013	5,255,312	0.7383	3,879,764	41,377,382	30,547,088	0.7383
2014	7,587,425	0.6913	5,245,426	57,855,152	39,997,092	0.6913
2015	17,312,249	0.6952	12,035,242	99,876,579	69,432,852	0.6952
2016	6,859,785	0.6736	4,620,473	53,746,401	36,201,394	0.6736
2017	11,496,193	0.6733	7,740,264	97,906,055	65,919,105	0.6733
2018	20,158,323	0.6545	13,193,438	137,590,162	90,051,503	0.6545
2019	13,750,547	0.6597	9,071,557	92,297,876	60,891,065	0.6597
2020	7,270,070	0.6560	4,768,813	95,190,302	62,440,215	0.6560
2021	-	0.6560	-	89,452,403	58,676,355	0.6560
2022 - 9 mo	-	0.6561	-	84,766,163	55,616,691	0.6561
Totals:	156,212,372		108,461,023	1,867,918,668	1,320,972,863	

Notes: (a) See NICA Report - September 30, 2022 - Section I, Exhibit I Columns (5) and (7)

CALCULATION OF THRESHOLD FOR SUSPENSION OF CLAIMS
(Section 766.314(9), Florida Statutes)

Indicated Amounts of Outstanding Loss & LAE - After Inflation and Discount
From Reserve Report to Threshold Calculation

Adjustment of Family Care Reserves to Include Consideration of Inflation and Discount

Evaluated as of June 30, 2022

Year of Birth	Outstanding Family Care Loss & ALAE Excluding Unreported Loss & ALAE as of 6 30 22			Indicated Average Inflation / Discount Factors as of 6 30 22		
	Current Level Provided By NICA	Inflation / Discount Factor See Col. (7)	Reported Family Care After Inflation / Discount (2) X (3)	2021 Level Selected Outstanding Loss & ALAE (a)	Selected Outstanding Loss & ALAE after Inflation / Discount (a)	Indicated Average Inflation / Discount Factor (6) / (5)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1989				15,365,601	11,995,747	0.7807
1990				15,700,373	12,211,559	0.7778
1991				22,292,685	17,140,331	0.7689
1992				53,825,496	40,519,860	0.7528
1993				39,401,740	30,041,806	0.7624
1994				19,680,960	14,576,593	0.7406
1995				33,096,652	24,319,768	0.7348
1996				32,171,662	24,888,685	0.7736
1997				52,178,328	38,485,629	0.7376
1998				67,671,255	50,332,015	0.7438
1999				15,252,150	11,919,313	0.7815
2000				18,438,057	13,673,149	0.7416
2001				22,807,423	17,190,324	0.7537
2002	4,580,588	0.7500	3,435,406	69,262,517	51,946,366	0.7500
2003	1,786,650	0.7298	1,303,811	19,129,690	13,959,924	0.7298
2004	2,364,116	0.7134	1,686,667	34,315,609	24,482,310	0.7134
2005	4,533,761	0.7451	3,377,941	39,850,532	29,691,185	0.7451
2006	7,078,621	0.7164	5,071,213	59,020,786	42,283,230	0.7164
2007	2,250,942	0.7550	1,699,395	36,991,367	27,927,395	0.7550
2008	5,853,138	0.6985	4,088,400	63,715,591	44,505,160	0.6985
2009	9,382,259	0.7092	6,653,953	64,857,002	45,996,963	0.7092
2010	1,504,680	0.6734	1,013,247	40,124,509	27,019,735	0.6734
2011	11,472,046	0.6927	7,946,930	70,008,909	48,496,658	0.6927
2012	5,554,542	0.6761	3,755,434	53,696,596	36,304,346	0.6761
2013	4,469,918	0.7306	3,265,567	38,457,393	28,095,634	0.7306
2014	4,823,686	0.6839	3,298,956	54,542,873	37,302,296	0.6839
2015	14,747,239	0.6856	10,110,822	93,336,500	63,992,231	0.6856
2016	5,887,673	0.6726	3,959,826	42,644,037	28,680,765	0.6726
2017	9,790,451	0.6667	6,527,343	92,612,628	61,745,309	0.6667
2018	17,260,860	0.6514	11,244,555	122,956,802	80,099,980	0.6514
2019	11,772,923	0.6552	7,713,758	95,082,762	62,299,348	0.6552
2020	6,277,646	0.6562	4,119,256	97,229,321	63,799,778	0.6562
2021	-	0.6563	-	91,811,158	60,259,753	0.6563
2022 - 6 mo	-	0.6589	-	53,524,645	35,269,248	0.6589
Totals:	131,391,739		90,272,481	1,741,053,608	1,221,452,395	

Notes: (a) See NICA Report - June 30, 2022 - Section I, Exhibit I Columns (5) and (7)

CALCULATION OF THRESHOLD FOR SUSPENSION OF CLAIMS
(Section 766.314(9), Florida Statutes)

Indicated Amounts of Outstanding Loss & LAE - After Inflation and Discount
From Reserve Report to Threshold Calculation

Adjustment of Family Care Reserves to Include Consideration of Inflation and Discount

Evaluated as of March 31, 2022

Year of Birth	Outstanding Family Care Loss & ALAE Excluding Unreported Loss & ALAE as of 3 31 22			Indicated Average Inflation / Discount Factors as of 3 31 22		
	Current Level Provided By NICA	Inflation / Discount Factor See Col. (7)	Reported Family Care After Inflation / Discount (2) X (3)	2021 Level Selected Outstanding Loss & ALAE (a)	Selected Outstanding Loss & ALAE after Inflation / Discount (a)	Indicated Average Inflation / Discount Factor (6) / (5)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1989				15,505,721	12,074,678	0.7787
1990				15,790,423	12,239,562	0.7751
1991				22,429,107	17,189,368	0.7664
1992				54,214,023	40,701,612	0.7508
1993				39,722,475	30,209,277	0.7605
1994				19,804,955	14,627,300	0.7386
1995				33,302,739	24,402,273	0.7327
1996				32,465,059	25,056,138	0.7718
1997				52,522,594	38,635,748	0.7356
1998				68,127,615	50,532,658	0.7417
1999				15,393,392	11,999,990	0.7796
2000				18,565,169	13,730,931	0.7396
2001				22,986,438	17,281,760	0.7518
2002	4,648,838	0.7481	3,477,905	69,799,775	52,218,856	0.7481
2003	1,813,350	0.7276	1,319,391	19,237,248	13,996,997	0.7276
2004	2,385,225	0.7113	1,696,621	34,489,256	24,532,364	0.7113
2005	4,595,077	0.7430	3,414,151	40,115,850	29,806,155	0.7430
2006	7,166,386	0.7144	5,119,423	59,343,784	42,393,189	0.7144
2007	2,291,832	0.7530	1,725,685	37,265,533	28,059,906	0.7530
2008	5,915,216	0.6965	4,119,661	64,023,284	44,589,115	0.6965
2009	9,472,690	0.7073	6,699,694	65,222,076	46,129,237	0.7073
2010	1,519,500	0.6714	1,020,138	40,289,861	27,049,174	0.6714
2011	11,590,374	0.6904	8,001,803	70,268,943	48,512,520	0.6904
2012	5,594,952	0.6739	3,770,560	53,896,828	36,322,248	0.6739
2013	4,510,868	0.7283	3,285,259	38,659,881	28,155,943	0.7283
2014	4,877,296	0.6817	3,324,636	54,748,103	37,319,355	0.6817
2015	14,872,785	0.6829	10,156,627	93,550,007	63,885,312	0.6829
2016	5,913,923	0.6696	3,959,945	42,692,308	28,586,640	0.6696
2017	9,880,744	0.6650	6,570,282	93,047,377	61,872,621	0.6650
2018	17,364,705	0.6497	11,282,605	123,491,604	80,237,871	0.6497
2019	11,841,173	0.6555	7,761,529	96,050,135	62,957,943	0.6555
2020	6,316,117	0.6560	4,143,270	98,069,691	64,332,125	0.6560
2021	-	0.6568	-	90,654,326	59,537,719	0.6568
2022 - 3 mo	-	0.6547	-	26,672,788	17,463,335	0.6547
Totals:	132,571,051		90,849,189	1,722,418,368	1,206,639,921	

Notes: (a) See NICA Report - March 31, 2022 - Section I, Exhibit I Columns (5) and (7)

CALCULATION OF THRESHOLD FOR SUSPENSION OF CLAIMS
(Section 766.314(9), Florida Statutes)

Indicated Amounts of Outstanding Loss & LAE - After Inflation and Discount
From Reserve Report to Threshold Calculation

Adjustment of Family Care Reserves to Include Consideration of Inflation and Discount

Evaluated as of December 31, 2021

Year of Birth	Outstanding Family Care Loss & ALAE Excluding Unreported Loss & ALAE as of 12 31 21			Indicated Average Inflation / Discount Factors as of 12 31 21		
	Current Level Provided By NICA	Inflation / Discount Factor See Col. (7)	Reported Family Care After Inflation / Discount (2) X (3)	2021 Level Selected Outstanding Loss & ALAE (a)	Selected Outstanding Loss & ALAE after Inflation / Discount (a)	Indicated Average Inflation / Discount Factor (6) / (5)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1989				15,645,841	12,278,805	0.7848
1990				15,980,474	12,494,476	0.7819
1991				22,565,989	17,416,384	0.7718
1992				54,602,551	41,304,730	0.7565
1993				40,043,210	30,689,727	0.7664
1994				19,928,949	14,827,076	0.7440
1995				33,508,825	24,736,087	0.7382
1996				32,758,455	25,481,380	0.7779
1997				52,866,860	39,181,086	0.7411
1998				68,583,976	51,253,915	0.7473
1999				15,534,633	12,204,637	0.7856
2000				18,692,281	13,929,929	0.7452
2001				23,165,454	17,551,956	0.7577
2002	4,713,428	0.7540	3,553,762	70,337,033	53,031,687	0.7540
2003	1,839,600	0.7329	1,348,185	19,344,805	14,177,202	0.7329
2004	2,409,000	0.7164	1,725,849	34,662,903	24,833,095	0.7164
2005	4,661,415	0.7485	3,489,283	40,381,168	30,227,158	0.7485
2006	7,252,186	0.7196	5,218,613	59,666,782	42,935,722	0.7196
2007	2,330,982	0.7587	1,768,508	37,539,699	28,481,242	0.7587
2008	5,974,211	0.7015	4,191,175	64,344,963	45,140,861	0.7015
2009	9,561,978	0.7126	6,813,436	65,587,151	46,734,455	0.7126
2010	1,533,000	0.6761	1,036,537	40,455,213	27,353,765	0.6761
2011	11,702,814	0.6959	8,144,248	70,722,290	49,217,213	0.6959
2012	5,633,228	0.6791	3,825,316	54,177,017	36,789,598	0.6791
2013	4,551,368	0.7335	3,338,327	38,862,370	28,504,684	0.7335
2014	4,928,596	0.6863	3,382,712	54,953,334	37,716,885	0.6863
2015	14,993,288	0.6881	10,317,421	94,069,513	64,732,616	0.6881
2016	5,940,923	0.6824	4,054,180	34,548,158	23,576,211	0.6824
2017	9,189,788	0.6691	6,149,097	93,269,404	62,408,690	0.6691
2018	15,815,633	0.6562	10,377,430	122,657,963	80,482,038	0.6562
2019	9,773,423	0.6583	6,433,754	103,179,866	67,922,353	0.6583
2020	-	0.6534	-	117,224,414	76,593,520	0.6534
2021	-	0.6629	-	91,467,738	60,636,312	0.6629
Totals:	122,804,861		85,167,832	1,721,329,283	1,214,845,497	

Notes: (a) See NICA Report - December 31, 2021 - Section I, Exhibit I Columns (5) and (7)

CALCULATION OF THRESHOLD FOR SUSPENSION OF CLAIMS
(Section 766.314(9), Florida Statutes)

Indicated Amounts of Outstanding Loss & LAE - After Inflation and Discount
From Reserve Report to Threshold Calculation

Removal of "Unreported" Claims - Reported Family Care Still Included

Evaluated as of September 30, 2022

Year of Birth	Reserve After Inflation and Discount Per Reserve Report @ 9 30 22			Excluding Deceased Claimants (DA & AAD)			Indicated Percent of O/S Accepted Reported as of 9 30 22 (5) / (7)	Indicated Outstanding Loss & LAE After Removal of Unreported Claims as of 9 30 22 (4) x (8)
	Outstanding (a) Loss & ALAE	Outstanding	Outstanding	Open	Estimated	Estimated		
	Present Value Basis	ULAE (b)	Loss & ULAE PV Basis (2) + (3)	Accepted Claims as of 9 30 22	Unreported Accepted Claims as of 9 30 22	Outstanding Claims as of 9 30 22 (5) + (6)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1989	12,804,835	195,444	13,000,278	3	0	3	100.00%	13,000,278
1990	12,778,398	195,040	12,973,438	3	0	3	100.00%	12,973,438
1991	17,940,158	273,825	18,213,983	4	0	4	100.00%	18,213,983
1992	42,572,990	649,803	43,222,793	9	0	9	100.00%	43,222,793
1993	31,668,791	483,369	32,152,160	7	0	7	100.00%	32,152,160
1994	15,053,396	229,764	15,283,160	3	0	3	100.00%	15,283,160
1995	25,614,615	390,963	26,005,578	5	0	5	100.00%	26,005,578
1996	26,782,704	408,791	27,191,495	6	0	6	100.00%	27,191,495
1997	40,513,503	618,368	41,131,871	8	0	8	100.00%	41,131,871
1998	53,437,039	815,623	54,252,663	11	0	11	100.00%	54,252,663
1999	13,109,330	200,091	13,309,422	3	0	3	100.00%	13,309,422
2000	14,589,624	222,685	14,812,309	3	0	3	100.00%	14,812,309
2001	18,447,566	281,570	18,729,136	4	0	4	100.00%	18,729,136
2002	56,507,630	862,491	57,370,121	12	0	12	100.00%	57,370,121
2003	15,655,604	238,956	15,894,559	3	0	3	100.00%	15,894,559
2004	26,143,654	399,037	26,542,691	5	0	5	100.00%	26,542,691
2005	32,243,137	492,135	32,735,273	7	0	7	100.00%	32,735,273
2006	46,663,292	712,234	47,375,526	9	0	9	100.00%	47,375,526
2007	30,585,323	466,832	31,052,155	7	0	7	100.00%	31,052,155
2008	48,087,026	733,965	48,820,991	9	0	9	100.00%	48,820,991
2009	49,512,630	755,724	50,268,354	10	0	10	100.00%	50,268,354
2010	29,039,280	443,234	29,482,514	5	0	5	100.00%	29,482,514
2011	52,148,606	795,958	52,944,564	10	0	10	100.00%	52,944,564
2012	39,300,368	599,852	39,900,220	7	0	7	100.00%	39,900,220
2013	30,547,088	466,248	31,013,336	7	0	7	100.00%	31,013,336
2014	39,997,092	610,486	40,607,578	8	0	8	100.00%	40,607,578
2015	69,432,852	1,059,772	70,492,624	14	0	14	100.00%	70,492,624
2016	36,201,394	552,551	36,753,946	7	0	7	100.00%	36,753,946
2017	65,919,105	1,006,140	66,925,245	12	1	13	92.31%	61,777,149
2018	90,051,503	1,374,479	91,425,983	16	1	17	94.12%	86,047,984
2019	60,891,065	929,396	61,820,461	10	2	12	83.33%	51,517,051
2020	62,440,215	953,041	63,393,256	8	4	12	66.67%	42,262,171
2021	58,676,355	895,592	59,571,948	2	9	11	18.18%	10,831,263
2022 - 9 mo	55,616,691	848,892	56,465,583	1	9.5	10.5	9.52%	5,377,675
Totals:	1,320,972,863	20,162,351	1,341,135,214	238	26.5	264.5		1,199,346,030

Notes: (a) See Exhibit I, Sheet 1, Col. (7) of the September 30, 2022 NICA loss and LAE reserve report.
(b) See Exhibit I, Sheet 1, Item (11) of the September 30, 2022 NICA loss and LAE reserve report.

CALCULATION OF THRESHOLD FOR SUSPENSION OF CLAIMS
(Section 766.314(9), Florida Statutes)

Indicated Amounts of Outstanding Loss & LAE - After Inflation and Discount
From Reserve Report to Threshold Calculation

Removal of "Unreported" Claims - Reported Family Care Still Included

Evaluated as of June 30, 2022

Year of Birth	Reserve After Inflation and Discount Per Reserve Report @ 6 30 22			Excluding Deceased Claimants (DA & AAD)			Indicated Percent of O/S Accepted Reported as of 6 30 22 (5) / (7)	Indicated Outstanding Loss & LAE After Removal of Unreported Claims as of 6 30 22 (4) x (8)
	Outstanding (a) Loss & ALAE	Outstanding	Outstanding	Open	Estimated	Estimated		
	Present	ULAE (b)	Loss & ULAE	Accepted	Unreported	Outstanding		
	Value Basis		PV Basis	Claims	Claims	Claims		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1989	11,995,747	198,012	12,193,759	3	0	3	100.00%	12,193,759
1990	12,211,559	201,575	12,413,133	3	0	3	100.00%	12,413,133
1991	17,140,331	282,933	17,423,265	4	0	4	100.00%	17,423,265
1992	40,519,860	668,856	41,188,716	9	0	9	100.00%	41,188,716
1993	30,041,806	495,896	30,537,702	7	0	7	100.00%	30,537,702
1994	14,576,593	240,614	14,817,207	3	0	3	100.00%	14,817,207
1995	24,319,768	401,443	24,721,211	5	0	5	100.00%	24,721,211
1996	24,888,685	410,834	25,299,520	6	0	6	100.00%	25,299,520
1997	38,485,629	635,277	39,120,906	8	0	8	100.00%	39,120,906
1998	50,332,015	830,824	51,162,839	11	0	11	100.00%	51,162,839
1999	11,919,313	196,751	12,116,064	3	0	3	100.00%	12,116,064
2000	13,673,149	225,701	13,898,850	3	0	3	100.00%	13,898,850
2001	17,190,324	283,758	17,474,082	4	0	4	100.00%	17,474,082
2002	51,946,366	857,472	52,803,838	12	0	12	100.00%	52,803,838
2003	13,959,924	230,435	14,190,359	3	0	3	100.00%	14,190,359
2004	24,482,310	404,126	24,886,436	5	0	5	100.00%	24,886,436
2005	29,691,185	490,108	30,181,294	7	0	7	100.00%	30,181,294
2006	42,283,230	697,964	42,981,193	9	0	9	100.00%	42,981,193
2007	27,927,395	460,994	28,388,389	7	0	7	100.00%	28,388,389
2008	44,505,160	734,641	45,239,801	9	0	9	100.00%	45,239,801
2009	45,996,963	759,266	46,756,229	10	0	10	100.00%	46,756,229
2010	27,019,735	446,011	27,465,746	5	0	5	100.00%	27,465,746
2011	48,496,658	800,528	49,297,185	10	0	10	100.00%	49,297,185
2012	36,304,346	599,271	36,903,617	7	0	7	100.00%	36,903,617
2013	28,095,634	463,771	28,559,405	7	0	7	100.00%	28,559,405
2014	37,302,296	615,744	37,918,040	8	0	8	100.00%	37,918,040
2015	63,992,231	1,056,311	65,048,543	14	0	14	100.00%	65,048,543
2016	28,680,765	473,430	29,154,195	6	0	6	100.00%	29,154,195
2017	61,745,309	1,019,222	62,764,531	12	1	13	92.31%	57,936,490
2018	80,099,980	1,322,200	81,422,180	15	1	16	93.75%	76,333,293
2019	62,299,348	1,028,367	63,327,715	10	3	13	76.92%	48,713,627
2020	63,799,778	1,053,134	64,852,912	7	6	13	53.85%	34,920,799
2021	60,259,753	994,700	61,254,453	1	11	12	8.33%	5,104,538
2022 - 6 mo	35,269,248	582,185	35,851,433	0	7	7	0.00%	-
Totals:	1,221,452,395	20,162,351	1,241,614,746	233	29	262		1,095,150,269

Notes: (a) See Exhibit I, Sheet 1, Col. (7) of the June 30, 2022 NICA loss and LAE reserve report.
(b) See Exhibit I, Sheet 1, Item (11) of the June 30, 2022 NICA loss and LAE reserve report.

CALCULATION OF THRESHOLD FOR SUSPENSION OF CLAIMS
(Section 766.314(9), Florida Statutes)

Indicated Amounts of Outstanding Loss & LAE - After Inflation and Discount
From Reserve Report to Threshold Calculation

Removal of "Unreported" Claims - Reported Family Care Still Included

Evaluated as of March 31, 2022

Year of Birth	Reserve After Inflation and Discount Per Reserve Report @ 3 31 22			Excluding Deceased Claimants (DA & AAD)			Indicated Percent of O/S Accepted Reported as of 3 31 22 (5) / (7)	Indicated Outstanding Loss & LAE After Removal of Unreported Claims as of 3 31 22 (4) x (8)
	Outstanding (a) Loss & ALAE		Outstanding Loss & ULAE	Open Accepted Claims as of 3 31 22	Estimated Unreported Accepted Claims as of 3 31 22	Estimated Outstanding Accepted Claims as of 3 31 22		
	Present Value Basis	Outstanding ULAE (b)	PV Basis (2) + (3)	(5)	(6)	(7)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1989	12,074,678	201,762	12,276,440	3	0	3	100.00%	12,276,440
1990	12,239,562	204,517	12,444,079	3	0	3	100.00%	12,444,079
1991	17,189,368	287,226	17,476,593	4	0	4	100.00%	17,476,593
1992	40,701,612	680,104	41,381,716	9	0	9	100.00%	41,381,716
1993	30,209,277	504,782	30,714,059	7	0	7	100.00%	30,714,059
1994	14,627,300	244,415	14,871,715	3	0	3	100.00%	14,871,715
1995	24,402,273	407,750	24,810,023	5	0	5	100.00%	24,810,023
1996	25,056,138	418,676	25,474,814	6	0	6	100.00%	25,474,814
1997	38,635,748	645,584	39,281,332	8	0	8	100.00%	39,281,332
1998	50,532,658	844,376	51,377,033	11	0	11	100.00%	51,377,033
1999	11,999,990	200,514	12,200,503	3	0	3	100.00%	12,200,503
2000	13,730,931	229,437	13,960,368	3	0	3	100.00%	13,960,368
2001	17,281,760	288,770	17,570,530	4	0	4	100.00%	17,570,530
2002	52,218,856	872,551	53,091,407	12	0	12	100.00%	53,091,407
2003	13,996,997	233,883	14,230,880	3	0	3	100.00%	14,230,880
2004	24,532,364	409,924	24,942,287	5	0	5	100.00%	24,942,287
2005	29,806,155	498,046	30,304,201	7	0	7	100.00%	30,304,201
2006	42,393,189	708,369	43,101,558	9	0	9	100.00%	43,101,558
2007	28,059,906	468,867	28,528,773	7	0	7	100.00%	28,528,773
2008	44,589,115	745,062	45,334,177	9	0	9	100.00%	45,334,177
2009	46,129,237	770,797	46,900,033	10	0	10	100.00%	46,900,033
2010	27,049,174	451,978	27,501,152	5	0	5	100.00%	27,501,152
2011	48,512,520	810,620	49,323,140	10	0	10	100.00%	49,323,140
2012	36,322,248	606,927	36,929,175	7	0	7	100.00%	36,929,175
2013	28,155,943	470,472	28,626,414	7	0	7	100.00%	28,626,414
2014	37,319,355	623,588	37,942,942	8	0	8	100.00%	37,942,942
2015	63,885,312	1,067,492	64,952,804	14	0	14	100.00%	64,952,804
2016	28,586,640	477,669	29,064,309	6	0	6	100.00%	29,064,309
2017	61,872,621	1,033,861	62,906,482	12	1	13	92.31%	58,067,522
2018	80,237,871	1,340,735	81,578,606	15	1	16	93.75%	76,479,943
2019	62,957,943	1,051,996	64,009,939	10	3	13	76.92%	49,238,415
2020	64,332,125	1,074,958	65,407,083	7	6	13	53.85%	35,219,199
2021	59,537,719	994,846	60,532,564	0	12	12	0.00%	-
2022 - 3 mo	17,463,335	291,804	17,755,139	0	3.5	3.5	0.00%	-
Totals:	1,206,639,921	20,162,351	1,226,802,272	232	26.5	258.5		1,093,617,537

Notes: (a) See Exhibit I, Sheet 1, Col. (7) of the March 31, 2022 NICA loss and LAE reserve report.
(b) See Exhibit I, Sheet 1, Item (11) of the March 31, 2022 NICA loss and LAE reserve report.

CALCULATION OF THRESHOLD FOR SUSPENSION OF CLAIMS
(Section 766.314(9), Florida Statutes)

Indicated Amounts of Outstanding Loss & LAE - After Inflation and Discount
From Reserve Report to Threshold Calculation

Removal of "Unreported" Claims - Reported Family Care Still Included

Evaluated as of December 31, 2021

Year of Birth	Reserve After Inflation and Discount Per Reserve Report @ 12 31 21			Excluding Deceased Claimants (DA & AAD)			Indicated Percent of O/S Accepted Reported as of 12 31 21 (5) / (7)	Indicated Outstanding Loss & LAE After Removal of Unreported Claims as of 12 31 21 (4) x (8)
	Outstanding (a) Loss & ALAE Present Value Basis	Outstanding ULAE (b)	Outstanding Loss & ULAE PV Basis (2) + (3)	Open Accepted Claims as of 12 31 21	Estimated Unreported Accepted Claims as of 12 31 21	Estimated Outstanding Accepted Claims as of 12 31 21 (5) + (6)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1989	12,278,805	203,787	12,482,592	3	0	3	100.00%	12,482,592
1990	12,494,476	207,366	12,701,843	3	0	3	100.00%	12,701,843
1991	17,416,384	289,053	17,705,437	4	0	4	100.00%	17,705,437
1992	41,304,730	685,520	41,990,250	9	0	9	100.00%	41,990,250
1993	30,689,727	509,346	31,199,074	7	0	7	100.00%	31,199,074
1994	14,827,076	246,080	15,073,156	3	0	3	100.00%	15,073,156
1995	24,736,087	410,536	25,146,623	5	0	5	100.00%	25,146,623
1996	25,481,380	422,905	25,904,286	6	0	6	100.00%	25,904,286
1997	39,181,086	650,274	39,831,360	8	0	8	100.00%	39,831,360
1998	51,253,915	850,643	52,104,557	11	0	11	100.00%	52,104,557
1999	12,204,637	202,556	12,407,193	3	0	3	100.00%	12,407,193
2000	13,929,929	231,190	14,161,119	3	0	3	100.00%	14,161,119
2001	17,551,956	291,303	17,843,259	4	0	4	100.00%	17,843,259
2002	53,031,687	880,148	53,911,835	12	0	12	100.00%	53,911,835
2003	14,177,202	235,294	14,412,496	3	0	3	100.00%	14,412,496
2004	24,833,095	412,146	25,245,241	5	0	5	100.00%	25,245,241
2005	30,227,158	501,669	30,728,827	7	0	7	100.00%	30,728,827
2006	42,935,722	712,589	43,648,311	9	0	9	100.00%	43,648,311
2007	28,481,242	472,693	28,953,934	7	0	7	100.00%	28,953,934
2008	45,140,861	749,187	45,890,048	9	0	9	100.00%	45,890,048
2009	46,734,455	775,635	47,510,090	10	0	10	100.00%	47,510,090
2010	27,353,765	453,981	27,807,746	5	0	5	100.00%	27,807,746
2011	49,217,213	816,840	50,034,053	10	0	10	100.00%	50,034,053
2012	36,789,598	610,584	37,400,181	7	0	7	100.00%	37,400,181
2013	28,504,684	473,082	28,977,766	7	0	7	100.00%	28,977,766
2014	37,716,885	625,973	38,342,858	8	0	8	100.00%	38,342,858
2015	64,732,616	1,074,344	65,806,960	14	0	14	100.00%	65,806,960
2016	23,576,211	391,286	23,967,497	5	0	5	100.00%	23,967,497
2017	62,408,690	1,035,774	63,444,465	12	1	13	92.31%	58,564,121
2018	80,482,038	1,335,731	81,817,769	14	2	16	87.50%	71,590,548
2019	67,922,353	1,127,283	69,049,636	10	4	14	71.43%	49,321,168
2020	76,593,520	1,271,195	77,864,715	7	8	15	46.67%	36,336,867
2021	60,636,312	1,006,359	61,642,671	0	12	12	0.00%	-
Totals:	1,214,845,497	20,162,351	1,235,007,848	230	27	257		1,097,001,297

Notes: (a) See Exhibit I, Sheet 1, Col. (7) of the December 31, 2021 NICA loss and LAE reserve report.
(b) See Exhibit I, Sheet 1, Item (11) of the December 31, 2021 NICA loss and LAE reserve report.

Agenda Item # 4.C. (Tab G)

OIR Reserve Review



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Derek W. Freihaut, FCAS, MAAA
Principal and Consulting Actuary
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December 28, 2022

Michelle Brewer
State of Florida, Office of Insurance Regulation
200 East Gaines Street, Larson Building
Tallahassee, FL 32399
[delivered via email to michelle.brewer@flor.com]

Re: December 31, 2021 Actuarial Analysis for Florida Birth-Related Neurological Injury
Compensation Association

Michelle,

Enclosed is our report summarizing Pinnacle Actuarial Resources, Inc.'s (Pinnacle's) annual actuarial analysis of the Florida Birth-Related Neurological Injury Compensation Association (NICA) using data valued as of December 31, 2021. This report analyzes indicated loss and loss adjustment expense reserves as of December 31, 2021, along with a projection of costs for the 2022 birth year for NICA.

Derek W. Freihaut is a member in good standing of the American Academy of Actuaries and meets its qualification standards to prepare this report. We look forward to discussing these findings with you.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Derek W. Freihaut", written over a horizontal line.

Derek W. Freihaut, FCAS, MAAA
Principal and Consulting Actuary

Enclosures

Florida Birth-Related Neurological Injury Compensation Association

**Actuarial Review of Loss Reserves as of December 31, 2021,
Including Additional Costs of the 2022 Birth/Accident Year**

December 28, 2022



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Commitment Beyond Numbers

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Florida Birth-Related Neurological Injury Compensation Association

Actuarial Review of Loss Reserves as of December 31, 2021, Including Additional Costs of the 2022 Birth/Accident Year

PART 1: GENERAL INFORMATION

Overall Funding of Liabilities, Including those of 2022

Pursuant to Florida Statute 766.314(7)(a), the Office of Insurance Regulation (“OIR”) has undertaken an actuarial valuation of the assets and liabilities of the Florida Birth-Related Neurological Injury Compensation Association (“NICA”). Pinnacle Actuarial Resources, Inc. (Pinnacle) has performed a review pertaining to the loss and loss adjustment expenses (LAE) from the 2021 and prior years, as well as those estimated for 2022. The following table summarizes the outstanding loss & LAE as of December 31, 2021.

Florida Birth-Related Neurological Injury Compensation Association

As of 12/31/2021

Summary of Loss & LAE Reserves as of 12/31/2021

Assumes 3.0% Inflation & 5.0% Discount per Annum

Losses in (\$000s)

	Compensable	Deceased when Accepted	Expected to be Dismissed	Total
Case Loss & ALAE	\$772,463	\$2,490	\$581	\$775,535
IBNR Loss & ALAE	181,495	669	1,156	183,320
Pipeline Loss & ALAE	37,681	Incl. in Compensable	508	38,188
ULAE				20,162
Total Outstanding Loss & LAE	\$991,639	\$3,159	\$2,245	\$1,017,205

The total outstanding loss & LAE of \$1,017.2 million is higher than the corresponding outstanding loss & LAE of \$602.2 million calculated as of December 31, 2019. The increase to the reserves is driven by three factors:

- 1) An increase in reported and compensable claims in recent birth years
- 2) An increase in future costs due to the passage of Senate Bill 1786
- 3) An increase in future costs related to NICA no longer being considered the payer of last resort

The projected 2022 loss & allocated loss adjustment expenses (ALAE) of \$66.4 million is also much higher than the collected assessments of \$35.8 million as of fiscal year ending June 30, 2022. The projected 2022 losses are discounted for the time value of money indicating a present value net loss of \$30.6 million for 2022.

These values reflect an actuarial central estimate of NICA's unpaid loss and LAE and projected 2022 costs as of December 31, 2021. The actuarial central estimate is intended to represent an expected value over a range of reasonably foreseeable outcomes. The actuarial central estimate was arrived at through evaluation of NICA's reserve worksheets and claims history. As such, the derivation of this estimate does not reflect extreme events believed to have a remote possibility of occurring.

For the purposes of our report, the "accounting date" of December 31, 2021 is the date used to separate paid and unpaid claim amounts in NICA's financial statements. NICA is only obligated to accrue reserves for births that have triggered NICA coverage prior to the accounting date. Transactions through the "valuation date" of December 31, 2021 are included in the data used in our analysis. No account has been taken in the projections of developments subsequent to the "review date" of December 12, 2022.

We have not included in our estimates any provisions for any expenses other than allocated loss adjustment expenses (ALAE), such as actuarial and audit fees, risk management fees, and in-house legal counsel fees, if applicable. The ALAE amounts included in our estimates include only those categories of LAE (e.g., claims defense, cost containment) that are reflected in the historical ALAE data provided to us. We have made use of the estimate for unallocated loss adjustment expenses (ULAE) prepared by NICA's consulting actuary, George Turner, FCAS, MAAA. We have reviewed his approach and consider these reserves reasonable.

Throughout this report, the use of the term *loss* without modification includes loss and ALAE but does not include ULAE.

Uncertainty

Projections of loss and LAE liabilities are subject to potentially large errors of estimation, since the ultimate disposition of claims incurred prior to the annual report date, whether reported or not, is subject to the outcome of events that have not yet occurred. Examples of these events include jury decisions, court interpretations, legislative changes, changes in the medical condition of claimants, public attitudes, and social/economic conditions such as inflation. Any estimate of future costs is subject to the inherent limitation on one's ability to predict the aggregate course of future events. It should therefore be expected that the actual emergence of losses and LAE will vary, perhaps materially, from any estimate. Thus, no assurance can be given that NICA's actual loss and LAE

liabilities will not ultimately exceed the estimates contained herein. In our judgment, we have employed techniques and assumptions that are appropriate, and the estimates presented herein are reasonable given the information currently available.

Comparison of Reserves Estimated by NICA's Consulting Actuary

Our evaluation of the risk or uncertainty about the actuarial central estimates shows there is a wide range of possible eventual costs for NICA. That uncertainty is magnified by the long duration of benefits and the consequential highly leveraged impact of inflation, interest, medical technology, and life expectancy on future claim costs. Since inflation, interest, and life expectancy must be estimated, that creates a significant uncertainty in the present value of the claim costs. Further, the impact of any changes in medical technology is not estimable at present. Because of that uncertainty, any given specific point or local range has a low probability of representing the actual cost that ultimately occurs. Since NICA's consulting actuary uses a different actuarial approach, it would not be unusual for him to obtain a significantly different best estimate. Mr. Turner produces an outstanding loss & LAE estimate of \$1,235.0 million as of December 31, 2021. Although the reserve indication in Mr. Turner's report is higher than that in this report (\$1,017.2 million), this study does suggest significant uncertainty about the actuarial central estimate whether it be driven by process or parameter risk. This would imply Mr. Turner's findings are reasonable.

Going Forward Adequacy of NICA – 2022 Birth Year

The review of NICA's 2022 loss & ALAE suggests an actuarial central estimate of approximately \$66.4 million of costs on a present value (discounted) basis. Losses are discounted using a 5.0% rate of return per annum on invested assets; future costs are also adjusted by an annual inflation adjustment of 3.0%. Our estimate of the projected 2022 loss & ALAE compares to current assessment levels of approximately \$35.8 million as of fiscal year end 2022. Further, NICA's financials indicate that operating expenses exceed \$5 million. These findings indicate that NICA is encountering an operating loss on a birth year basis. Historical investment returns show that NICA typically generates eight- and sometimes nine-digit investment returns that partially offset this gap. However, these investment returns would not only support the current birth year, but also outstanding claims in previous years. Further, our estimate of \$66.4 million is already discounted for any future investment returns; in other words, we have already given credit for the volume of investment income allocated to support the claims incurred in this year. These findings suggest that corrective action should be considered before the underwriting losses compound to an unmanageable level. Such action may include, but not be limited to, assessment increases, reduction of benefits, reconsideration of NICA's status relative to Medicaid, and potentially, sunseting the program.

Subsequent Events

Subsequent to December 31, 2021, NICA announced the settlement agreement in the false claims act (FCA) lawsuit. In connection with the federal lawsuit captioned *U.S. ex rel. Arven v. The Florida Birth-Related Neurological Injury Compensation Association, et al.*, No. 0:19-cv-61053 (S.D. Fla.) (“Action”) in which it was alleged that NICA caused the submission of false claims to Medicaid in violation of the FCA by acting as the payor of last resort. NICA has entered into a settlement agreement with the United States and Relators Veronica N. Arven and the Estate of Theodore Arven III (collectively, “Relators”). While NICA steadfastly believes it would have prevailed had this dispute gone to trial, it recognizes that litigation is inherently unpredictable. In weighing its options, NICA and its Board ultimately decided that it was in the best interest of the program to not only avoid future legal expenses, but also to avoid the risk of losing the lawsuit, which could have resulted in billions of dollars in exposure and been a financially devastating outcome.

Under the terms and conditions of the settlement, NICA will pay \$51 million plus interest at a rate of 3.375% per annum from September 13, 2022 to no later than thirty days after the effective date of the settlement agreement. NICA has estimated the total cost of the settlement including legal fees and accrued interest at \$53 million, or \$2 million more than established by the settlement agreement. Although this does not fall under the purview of loss & LAE, it does negatively impact NICA’s assets and its ability to generate investment income to pay claims.

NICA has also informed Pinnacle of increased costs related to changes in the Medicaid fee schedule. The increase in Medicaid rates does impact the amount of benefits paid out by NICA and subsequently the loss & LAE reserves. NICA estimates that these changes in 2022 will lead to an increase of approximately \$100 million to future claims costs. While this significant increase will lead to upward pressure on the projected ultimate losses subsequent to December 31, 2021, we note that regular increases to the Medicaid fee schedule are contemplated in our estimation of annual inflation (3.0%), and thus, in our reserve estimates. As a test on the reasonableness of our inflation assumption, Exhibit 21 evaluates changes in the Consumer Price Index (CPI) for all urban consumers since 1999, indicating long-term inflation of less than 2.5%. Although we understand the current rate of inflation is much higher than this benchmark, it is anticipated that inflation will revert to these long-term averages over time.

NICA has experienced investment losses in excess of \$250 million since December 31, 2021. This does not impact our loss and LAE reserve projections but does negatively impact the valuation of NICA’s assets, particularly their bond portfolio on a GAAP basis, as well as its ability to generate investment income to pay claims. Our discounted reserve estimates reflect that as of December 31, 2021 there were sufficient assets to support the reserves. While NICA has experienced significant unrealized

investment losses in 2022, it is worth noting that rising interest rates may also lead to higher returns going forward.

PART 2: BACKGROUND

Structure of NICA's Eligibility or Qualification Process

NICA coverage is elected by obstetric physicians and midwives. Should a child meeting the eligibility requirements as set forth in Sections 766.301-316, Florida Statutes, suffer damage at birth as a result of a "birth-related neurological injury," when the treating obstetrician has elected NICA coverage the child's parents may bring a claim through NICA's protocols (via an administrative law judge system). Under the statutes, certain preconditions, such as the obstetrician having posted his/her NICA election for parents, and the timeliness of the claim presentation, must be met. A maximum parental award of \$250,000, (increased from \$100,000 due to the passage of Senate Bill (1786)), plus necessary medical and maintenance (e.g., modified vans, housing modifications) expenses for the lifetime of the claimant, may be made by a Division of Administrative Hearings ("DOAH") administrative law judge. Parties involved in the hearing may include the petitioner family, hospital and other entities involved in the birth, treating obstetrician, and NICA. The administrative law judge may determine that the claim is compensable or dismiss the claim. Potentially, the claim may be consequently appealed by any of the parties. The data shows evidence of all these scenarios. However, the data suggests that a relatively small percentage of claims are revised on appeal.

Claim Progression

A potential claim event initially occurs at the birth of a child. At that time, the claim has occurred, but has not yet been reported to NICA. So, the claim is referred to as "unreported." At some point, the claim is reported to NICA and a hearing date is requested. After that, the claim is reported, but is considered a "pending" claim until it is adjudicated, and an administrative law judge holds a hearing. During the hearing, the administrative law judge will either determine that benefits should be awarded or dismiss the claim. Subsequently, the claim moves into either awarded (NICA's terminology is "compensable") or dismissed status. Either way, it may be regarded as adjudicated. If the benefits are awarded, the costs are not always evaluated immediately, but are done as soon as practicable. Generally, after the year's end, NICA management has reviewed all the claims and projected the future payments of each one in a worksheet. Therefore, the claim is initially awarded, but is not "awarded and evaluated" or "pipeline" (both the OIR's terminology) until the corresponding worksheet is prepared. Depending on the particulars of the claim and the type of dismissal, claims may be appealed. Claims are closed on either the final payout at the death of the child covered by an awarded claim, or a definite finding of dismissal and final payment of legal defense costs.

Class Action on Prior Nursing Care Provided by Family Members

NICA officials informed the OIR during a previous (2012) review that a class action had been brought against NICA. The class action related to the amount of loss that was paid or could have been paid as

reimbursement to family members for care provided to children covered by NICA benefits. This case was resolved some time ago. This affected payment rates for nursing care rendered in the past and for nursing care provided in the future. In conversations with NICA staff, the OIR was told that on most of the affected claims this had been resolved. Therefore, no special analysis of this issue was performed.

Primary Data Available for Analysis

Pinnacle was provided with a detailed claim listing valued as of December 31, 2021. The data included total paid and incurred loss and expense, birth (accident) year, status at DOAH, and other relevant coding. The report included breakdowns between loss and defense (legal other than payments to claimant attorneys). The coding in those files was used to synthesize other information such as whether adjudicated claims were then classed as awarded or dismissed.

We were also provided with the reserve worksheets on claims classed as awarded. Sufficient detail for an estimate of the stream of future payments (after 2021) by calendar year was present in the worksheets. These worksheets were supplemented with inflation and discounting factors to reflect the time value of money and were also adjusted for mortality based on the 2019 mortality tables compiled by the Social Security Administration. The mortality tables were adjusted to reflect the life expectancies outlined in the reserve worksheets.

Reinsurance Commutation

Previously, the OIR was informed that NICA had once purchased reinsurance on claims from the 2003 and prior years. However, NICA indicated that that all the reinsurance has now been commuted.

The Impact of Investment Income and Inflation

NICA's compensable claims typically have durations that extend more than 20 years. During this time, NICA has an opportunity to earn income on its investment portfolio. However, it is also affected by inflation, which erodes the impact of the investment income. Both these forces can be expected to vary randomly and unpredictably over such a long time period. These factors do not always change in a positively correlated manner with one another. The net impact to NICA is the investment income earned less the increase in costs driven by inflation. For this analysis, NICA has selected a 5.0% rate of return on invested assets. We have conducted a review of historical investment returns concluding that a 5.0% rate of return is reasonable.

PART 3: HIGHLIGHTS OF RESERVING APPROACH

Claim Classes Analyzed Separately

To perform our analysis, we separated our analysis into seven distinct categories

1. Loss and defense dollars on awarded 2021 and prior claims (those with worksheets).
2. Loss and defense dollars on awarded 2021 and prior claims classified as “deceased when accepted” (DA claims)
3. Defense costs on claims expected to be dismissed in the future.
4. Loss and defense dollars on 2021 and prior birth year claims that are projected to be awarded (IBNR and pipeline claims)
5. Defense dollars on 2021 and prior birth year claims that are projected to be dismissed (IBNR and pipeline claims)
6. Cost of claims anticipated during the 2022 birth year.
7. “Unallocated loss expense” or claims handling costs associated with all the claims above.

The worksheets on awarded claims driving much of the analysis reflect streams of future payments made in successive future calendar years (at December 31, 2021 cost levels). The analysis was performed by projecting cash flows in future calendar years, then applying a mortality factor and the amount of inflation/investment discount offset beyond December 31, 2021.

Future Payments for Loss Dollars on 2021 and Prior Claims with Worksheets

Since the payouts are specified in the worksheets, the information in each worksheet was simply converted to the payments by the calendar year it specified. There were no defense costs expected for claimants with worksheets. We assumed that outstanding parental awards would be paid out within the average life expectancy for each claimant and that this payout was guaranteed (i.e. not adjusted for mortality). Likewise, one-time expenses were also expected to be paid out within the claimant’s average life expectancy, however, these costs were adjusted for mortality. Future cash flows are adjusted by an annual rate of inflation of 3.0% and a 5.0% rate of return per annum on the assets supporting the reserves. We relied on the 2019 mortality tables produced by the Social Security Administration to discount the cash flows for mortality. These mortality tables were adjusted to reflect each claimant’s average life expectancy as determined by NICA. This was done by multiplying the probability of death, or $q(x)$ parameter by year, by a constant that varied by claimant.

Future Payments for Loss Dollars on 2021 and Prior Claims – DA Claims

We have performed a separate analysis for those claims denoted as “deceased when accepted.” Since most of the case reserves stem from closed claims, we have assumed that settlement costs for these claims are firm and the case reserves outstanding are reasonable.

Future Payments for Defense Costs on Claims Expected to be Dismissed in the Future:

We have assumed the case reserves outstanding make a reasonable provision for claims already reported. This assumption is not material to the analysis as payments on these claims are small relative to costs on awarded claims. For this study, we have defined materiality as any estimate that makes up more than 5.0% of the overall estimated outstanding loss & LAE.

Future Payments for Loss Dollars Claims Awarded but not Evaluated and Claims Projected to be Awarded:

The provision for IBNR is estimated using a frequency and severity approach. For awarded claims (excluding DA claims), the number of IBNR claims (58) is derived in Exhibit 7; claim severity is estimated to be \$3,140,053 and is derived in Exhibit 6. Likewise, the IBNR for DA claims is also estimated using a frequency & severity approach. We estimate between two and three IBNR claims (see Exhibit 7) with an average claim severity of \$254,678.

Future Payments for Loss and Defense Costs on All Other Claims (Adjudicated, Dismissed, and Closed):

The number of IBNR claims is taken as the difference between total IBNR for reported claims and total IBNR for awarded claims. This results in total IBNR claims for loss and defense costs on all other claims (those expected to be dismissed) of 73. For these claims, we calculate an average claim severity of \$15,724.

Payments for Claims from the 2022 Birth Year (NICA’s 2022 Year of Operation):

Claim costs are derived using a frequency/severity approach. We have estimated costs for compensable claims (excluding DA claims), compensable DA claims, and claims expected to be dismissed. The claim severity for each type of claim is derived in Exhibit 6 and is applied to the expected number of future claims which is derived from the projected claim frequencies in Exhibits 14 and 15 and projected resident live births for 2022 estimated in Exhibit 12.

Reinsurance Recoverable on Claims Paid and to be paid in the Future:

All reinsurance has been commuted, or fully settled for a lump sum, and we have not included a provision for these recoverables in this analysis.

PART 4. HIGHLIGHTS OF DETERMINATION OF PERCENTILES

Why are Percentiles Needed?

The best estimate reserves computed per the previous section represent an actuarial central estimate. However, the actual results will vary, possibly significantly, from that value. There are a variety of factors that could result in actual claim costs exceeding the actuarial central estimate. This could include higher than average rates of inflation, poor investment returns, changes in statutes, and other items. Percentiles can serve as a guide to measure the amount of uncertainty surrounding the actuarial central estimate. Policymakers should consider the degree of uncertainty when evaluating NICA’s ability to pay claims. They should also consider the ability (although limited) of NICA to help fund any shortfall through increased assessments.

We have provided estimates at various confidence levels to provide a measure of the uncertainty about the actuarial central estimate. The results of these calculations are summarized in the table below.

Florida Birth-Related Neurological Injury Compensation Association As of 12/31/2021 Summary of Loss & LAE Reserves as of 12/31/2021 At Confidence Levels other than the Actuarial Central Estimate Assumes 3.0% Inflation & 5.0% Discount per Annum Losses in (\$000s)		
Confidence Level	Estimated Future Benefits	Variance from Central Estimate
70%	\$1,054,291	\$37,087
75%	1,065,231	48,026
77%	1,069,835	52,630
78%	1,072,262	55,058
79%	1,075,029	57,824
80%	1,077,843	60,638
85%	1,092,595	75,391
90%	1,111,947	94,743
95%	1,138,974	121,769
Actuarial Central Estimate	\$1,017,205	\$0

We note that the variance reflected in these figures only reflects process variance. That is, variation related to the randomness in the actual number of reported claims or in the actual benefits paid to a claimant. An example of process variance could be a claimant’s need of nursing care much sooner than expected based on the reserve worksheets. This development could possibly have an adverse impact on the final settlement value of a claim. The figures presented above do not reflect parameter risk.

That is, the risk that our estimates of long-term inflation and investment returns as well as our assumptions regarding mortality are under or overstated. The sensitivity to parameter risk should also be considered. For example, an average increase of 100 basis to long-term claim inflation is expected to have an adverse impact on the outstanding loss & LAE of approximately \$163.6 million, which exceeds the variance at the 95th percentile as shown in the table above. The impact of parameter risk is discussed later in Part 4 report.

Conceptual Approach:

The general approach used is to estimate a key statistical quantity, specifically the variance of the future number and cost of claims. Using our best estimates as the statistical mean, we fit the expected number of IBNR claims to a Poisson distribution. Likewise, we use our best estimate of claim severity as the statistical mean, fitting this parameter to a lognormal distribution with a coefficient of variation of 2.0. Using these parameters, we run a simulation to generate losses at confidence levels other than expected.

Components of the Variance:

Key items considered in estimating the variance from the actuarial central estimate were:

- Compensable claim frequency. The actual number of compensable claims as of December 31, 2021, will ultimately differ, perhaps substantially, from our estimates.
- Severity distribution. Reflects the natural variability in the actual cost for a given claim.

These two elements comprise that portion of the variance related to process risk. We have not explicitly included the impact of parameter risk in our confidence level analysis which include:

- Mortality risk. Relates to the fact that the future life expectancy for those claimants with worksheets will differ from what has been estimated by NICA.
- Interest rate risk. Considers that NICA's long-term investment returns will not be 5.0% per annum.
- Inflation risk. Considers that long-term inflation will not be 3.0%.

The impact of parameter risk is estimated on a deterministic basis, the results of which are outlined in the sensitivity analysis.

Sensitivity Analysis

In performing this analysis, the sensitivity of key variables was considered. A number of assumptions about model variables are made in our analysis. We consider the key variables to include the selection of claim count development factors as well as inflation and severity trend factors. Additionally, the use of the adjusted Social Security Administration’s 2019 mortality tables introduces additional uncertainty into our analysis. We have performed stress tests of our interest rate, inflation rate and mortality assumptions.

The table below shows the results of a series of stress tests examining inflation scenarios of up to 150 basis points above and below our general inflation assumption. At the extreme values, these differences in assumptions have the potential to increase NICA’s surplus in an extremely low inflation scenario or place NICA in a deficit at the high inflation scenario.

Florida Birth-Related Neurological Injury Compensation Association As of 12/31/2021 Inflation Rate Sensitivity Testing Losses in (\$000s)		
Annual Inflation (Baseline +/-)	Estimated Future Claim Payments	Difference From Baseline
-1.50%	\$837,162	(\$180,043)
-1.00%	890,165	(127,039)
-0.50%	949,812	(67,393)
Baseline	1,017,205	0
0.50%	1,093,663	76,459
1.00%	1,180,772	163,567
1.50%	1,280,438	263,234

The following table provides a similar stress test examining the impact of long term differences in investment returns from those assumed in our analysis. This is a particularly important test given the differences between our selected interest rate and the investment manager’s target return, and also in light of current uncertainty regarding the financial markets. The impact of actual investment returns that are different than our assumptions have a similar magnitude to the inflation tests, although with the signs reversed. This is intuitive as inflation impacts benefits and thus liabilities, while interest rates impact investments and thus assets.

Florida Birth-Related Neurological Injury Compensation Association
As of 12/31/2021
Interest Rate Sensitivity Testing
Losses in (\$000s)

Interest Rate (Baseline +/-)	Estimated Future Claim Payments	Difference From Baseline
-5.0% (Undiscounted)	\$2,698,084	\$1,680,879
-2.00%	1,394,965	377,761
-1.50%	1,278,894	261,689
-1.00%	1,178,985	161,781
-0.50%	1,092,495	75,290
Baseline	1,017,205	0
0.50%	951,315	(65,890)
1.00%	893,355	(123,850)
1.50%	842,120	(175,085)
2.00%	796,615	(220,590)

Finally, we have performed a stress test on the mortality assumptions used throughout our analysis. As noted, we have relied on the 2019 mortality tables produced by the Social Security Administration. These mortality tables have been adjusted to reflect the life expectancy for each claimant with a worksheet. The following table outlines the changes to the outstanding loss & LAE as a result of a +/- 10% change in the overall life expectancy of these claimants.

Florida Birth-Related Neurological Injury Compensation Association
As of 12/31/2021
Mortality Sensitivity Testing
Losses in (\$000s)

Rate of Mortality (Baseline +/-)	Estimated Future Claim Payments	Difference From Baseline
-10.0%	\$943,426	(\$73,779)
Baseline	1,017,205	0
10.0%	1,087,751	70,546

PART 5. ACTUARIAL OPINION

Statement of Qualifications and Methodology of Preparer Derek Freihaut:

Derek W. Freihaut is a member in good standing of the American Academy of Actuaries and meets its qualification standards to prepare this report.

Statement of Reliance on Others:

In the course of the analysis, explanations, data, and general perspective on the data and claims environment were provided by Tim Daughtry of NICA. We have reviewed the 12/31/2019 report prepared by Joseph Boor, FCAS, PhD, CERA for further perspective and information on the construction of the loss data. From Mr. Boor's report, we are aware a previous reviewer employed by the OIR, Leigh Halliwell, FCAS, expressed that, except for inflation and discounting, the cash flows projected by NICA in their claim worksheets were reasonable predictions of the ultimate losses on each claim. This review implicitly relies on a similar conclusion. We have also reviewed the December 31, 2021 report prepared by NICA's consulting actuary, George Turner, FCAS, MAAA. We have relied on Mr. Turner's report as a source of ULAE reserves. Finally, we relied on the 2019 mortality tables prepared by the Social Security Administration and adjusted these tables by each claimant's life expectancy as determined by NICA.

Limitation on Partial Dissemination from Preparer:

Pinnacle's actuarial report and supporting work papers are prepared solely for the internal business use of the OIR, its administrators and NICA. It is understood that this report may also be distributed to a variety of interested parties. In the event our report is distributed to other parties due to statute or regulations, or by agreement of Pinnacle and the OIR, we require that the report and supporting exhibits be distributed in their entirety, and that any recipient be advised to have their own actuary review the work. Pinnacle does not intend to benefit any third party recipient of its work product or create any legal duty from Pinnacle to a third party even if Pinnacle consents to the release of its work product to such third party.

In addition, the OIR may desire to distribute the Executive Summary separately to summarize key findings. This distribution is also granted. Individual findings may also be referenced in press releases and other public communications along with proper citation of the report.

Third party users of any of the elements of this report should recognize that the furnishing of this report is not a substitute for their own due diligence and should place no reliance on this report or the data, computations, interpretations contained herein that would result in the creation of any duty or liability by Pinnacle to the third party.

Suggested Retention of Records:

The basis for portions of this report is a set of worksheets with projected payments for a number of claims. Such individual claim reserve detail could potentially be used against NICA in court or elsewhere by claimants. Therefore, individual claim detail is not included within this report. It is recommended that the OIR retain that detail in protected format for some length of time.

METHODS AND ASSUMPTIONS

Pinnacle evaluated the estimated outstanding loss & LAE reserves as of December 31, 2021 in two segments for each cohort analyzed (compensable, DA claims, and claims expected to be dismissed). The first segment was to estimate the outstanding losses on awarded claims (those with worksheets).

We relied on the reserve worksheets prepared by NICA to stream cash flows to future calendar years subsequent to 2021. These cash flows were adjusted by an annual rate of inflation of 3.0% and a 5.0% rate of return on the invested assets supporting the reserves. These future cash flows were also discounted for mortality based on the 2019 mortality tables prepared by the Social Security Administration. We were not provided with the gender of each claimant and so we relied on an average of the male and female mortality patterns for each claimant. Since each claimant has a lower life expectancy than the general population, we have adjusted the 2019 mortality tables to reflect the average life expectancy for each claimant. This effectively produces a larger mortality discount on future cash flows. Had this adjustment not been made, our reserves would have been materially overstated.

The second segment was to estimate the outstanding losses for IBNR and pipeline claims. In this case, we used a frequency/severity approach. This method separately develops estimates of ultimate claim counts and average claims severities by year. The advantage of this method is that claim counts are generally estimable, which focuses most of the variability in this method on variances in claim severities. Claim counts are estimated using three methods: incurred claim count development, incurred claim frequency per unit of exposure, and an incurred Bornhuetter-Ferguson (B-F) method (described later in this section).

The incurred claim count development methods takes the number of claims reported (or awarded) and multiplies them by a loss development factor to produce an estimate of ultimate claim counts. These development factors are derived in Exhibits 18 and 19.

The second method used, known as an Expected Claim Count Method, is simply the number of resident live births by year multiplied by an estimate of expected claim frequency. The expected claim frequency used in this method is based on an analysis of historical claims counts relative to resident live births (see Exhibits 13 & 14).

The third method, known as a B-F method, estimates ultimate claims using a combination of expected claims (resident live births x expected claim frequency) and claim count development techniques.

If we define:

- A = Reported (or Compensable) Claims
- B = Expected Percentage of Ultimate Claims Reported (or Compensable)
- C = Resident Live Births
- D = Expected Claim Frequency

then the estimated ultimate number of claims using the B-F technique is: $A + [(C \times D) \times (1 - B)]$.

Using these techniques and data provided to us, we estimated IBNR claims for three types of claims:

- 1) Awarded (those with worksheets)
- 2) Deceased when Accepted (DA claims)
- 3) Claims expected to be dismissed.

To estimate claim severity, we compiled NICA's total payment history on a calendar year basis and trended these claims to a December 31, 2021 cost level using the CPI for all urban consumers. Based on NICA data, we estimated that 92.5% of all claim payments relate to awarded claims, 5.0% relate to DA claims, and the balance (2.5%) stems from dismissed claims. Using this information, in conjunction with the results of our claim count analysis, produced our estimate of claim severity for each type of claim noted above.

We relied on just this one method to develop the reserves on open claims and one method to estimate the IBNR claims. Other actuarial techniques did not perform well given the nature of the exposure. For example, total payments on claims incurred in the 1989 birth year are \$16.9 million; our estimate of outstanding loss & ALAE for this year is \$10.3 million, indicating that just over 60% of the estimated total settlement value of all claims has been paid as of December 31, 2021. This implies a large paid tail factor for an accident year that is over thirty years old and reduces the credibility of any techniques relying on paid loss development techniques. Likewise, the case reserves that are set up by NICA do not consider future inflation and investment returns, and do not fully reflect the discount for mortality. Thus, methods using reported losses (paid + case) would not be reliable.

RELIANCES AND LIMITATIONS

Inherent Uncertainty

Projections of loss liabilities are subject to potentially large errors of estimation, since the ultimate disposition of claims incurred prior to the financial statement date, whether reported or not, is subject to the outcome of events that have not yet occurred. Examples of these events include jury decisions, court interpretations, legislative changes, changes in the medical condition of claimants, public attitudes, and social/economic conditions such as inflation. Any estimate of future costs is subject to the inherent limitation on one's ability to predict the aggregate course of future events. It should therefore be expected that the actual emergence of losses will vary, perhaps materially, from any estimate. Thus, no assurance can be given that NICA's actual loss liabilities will not ultimately exceed the estimates contained herein. In our judgment, we have employed techniques and assumptions that are appropriate, and the estimates presented herein are reasonable, given the information currently available.

Note that a quantification of this uncertainty would likely reflect a range of reasonable favorable and adverse scenarios, but not necessarily a range of all possible outcomes. Further, the proper application of any range is dependent on the context. NICA's financial reports are governed by accounting standards, and such standards vary among jurisdictions. Under current accounting standards, the ends of a range that is illustrative of uncertainty would likely not be suitable for financial reporting purposes.

Data Reliance

Throughout this analysis, we have relied on historical data and other quantitative and qualitative information supplied by NICA. We have not independently audited or verified this information; however, we have reviewed it for reasonableness and internal consistency. We have assumed that the information is complete and accurate, and that we have been provided with all information relevant to the analysis of NICA's outstanding losses. The accuracy of our results is dependent upon the accuracy and completeness of the underlying data; therefore, any material discrepancies discovered in this data should be reported to us and this report amended accordingly, if warranted.

Extraordinary Future Emergence

We have not anticipated any extraordinary changes to the legal, social, or economic environment that might affect the cost, frequency, or future reporting of claims. In addition, our estimates make no provision for potential future claims arising from loss causes not represented in the historical data (e.g., new types of mass torts or latent injuries, terrorist acts, etc.), except where claims of these types are included but not identified in the reported claims and are implicitly analyzed.

Projections by Birth Year

Consistent with the purpose of our engagement, the focus of our analysis was on NICA's overall reserves for unpaid claims. As such, projections shown in this report for each birth year should be viewed in the context of the entire portfolio of liabilities, not necessarily as best estimates for individual birth years.

Underlying Assets

We have not examined the assets underlying NICA's loss reserves, and we have formed no opinion as to the validity or value of these assets. We have assumed throughout the analysis that NICA's loss reserves are backed by valid assets with suitably scheduled maturities and/or adequate liquidity to meet cash flow requirements.

COVID-19

A substantial source of uncertainty relates to the emergence of the COVID-19 pandemic in 2020. This uncertainty could impact the projection of unpaid claim estimates in several different ways including, but not limited to:

- Claim reporting patterns and the risk of longer claim durations as claims are handled differently
- Changes in exposure to specific coverages
- Material changes in underlying loss benefits as COVID-19 impacts businesses
- Potential legal disputes regarding the applicability of specific coverages to COVID-19-related claims, and
- Changes associated with ongoing medical care of current claimants due to the virus for lines of business with a medical coverage component.

Some of these uncertainties may affect the settlement of claims that had occurred prior to COVID-19 being declared a pandemic. The COVID-19 pandemic may have a material impact on our reserve estimates as its effects emerge over time.

Discounting

Estimates discounted for the time value of money can be more uncertain than those on an undiscounted basis. In addition to the usual uncertainty in projecting unpaid claims obligations and benefits, discounted estimates are also influenced by:

- Variations in the timing of actual benefit payments versus the rate of payment assumed in discounting estimates to present value
- Variation in the actual investment yield on the assets underlying the liabilities versus the assumed interest rate used in discounting.

Distribution and Use

Pinnacle's actuarial report and supporting work papers are prepared solely for the internal business use of the OIR, its administrators and NICA. It is understood that this report may also be distributed to a variety of interested parties. In the event our report is distributed to other parties due to statute or regulations, or by agreement of Pinnacle and the OIR, we require that the report and supporting exhibits be distributed in their entirety, and that any recipient be advised to have their own actuary review the work. Pinnacle does not intend to benefit any third party recipient of its work product or create any legal duty from Pinnacle to a third party even if Pinnacle consents to the release of its work product to such third party.

In addition, the OIR may desire to distribute the Executive Summary separately to summarize key findings. This distribution is also granted. Individual findings may also be referenced in press releases and other public communications along with proper citation of the report.

Third party users of any of the elements of this report should recognize that the furnishing of this report is not a substitute for their own due diligence and should place no reliance on this report or the data, computations, interpretations contained herein that would result in the creation of any duty or liability by Pinnacle to the third party.

It is important to emphasize the nature of our work for the OIR. While the reserve estimates contained in this report represent our best professional judgment, arrived at after careful actuarial analysis of the available data, any study of unpaid claims involves estimates of future contingencies which are subject to the outcome of events yet to occur, e.g., jury decisions and attitudes of claimants with respect to settlements. A high severity, low frequency coverage such as medical malpractice which also has extended reporting and settlement patterns is especially difficult to estimate. This is compounded even further for NICA, given the nature of its coverage - unlimited liability until the claimant has deceased.

Throughout this report, we have used the term IBNR to include all indicated changes to case reserves, including LAE, whether such changes are for "pure" IBNR (i.e., incurred but not reported claims) or for case reserve deficiencies/redundancies.

Judgments as to conclusions, recommendations, methods, and data contained in this report should be made only after studying the report in its entirety. Further reliances and limitations are contained in

the report text and the exhibits accompanying the report. Furthermore, Pinnacle is available to explain any matter presented herein, and it is assumed that the user of this report will seek such explanation as to any matter in question. The exhibits should be considered an integral part of this report.

Index of Exhibits

EXHIBIT	DESCRIPTION
1	Projected 2022 Loss & ALAE
2	Summary of Estimated Outstanding Loss & LAE
3	Estimated Outstanding Loss & ALAE: Claims Expected to be Dismissed
4	Estimated Outstanding Loss & ALAE: DA Claims
5	Estimated Outstanding Loss & ALAE: Compensable Claims
6	Estimated Ultimate Claim Severity
7	Estimated IBNR on Awarded Claims
8	Selected Ultimate Claims: Compensable Claims
9	Selected Ultimate Claims: Reported Claims
10	Ultimate Claims Based on Reported B-F Method: Compensable Claims
11	Ultimate Claims Based on Reported B-F Method: Reported Claims
12	Projected Resident Live Births for 2021 & 2022
13	Resident Live Births per 1,000 Population
14	Selected Initial Expected Frequency: Compensable Claims
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16	Incurred Claim Development Method: Compensable Claims
17	Incurred Claim Development Method: Reported Claims
18	Compensable Claim Count Development Pattern
19	Reported Claim Count Development Pattern
20	Evaluation of Investment Income Rate of Return
21	Evaluation of Rate of Inflation

Florida Birth-Related Neurological Injury Compensation Association

Exhibit 1

As of 12/31/2021

Projected 2022 Loss & ALAE

Loss & ALAE Discounted to 12/31/2021

Claim Type	Claims per 1,000 Resident Live Births (1)	Projected Live Births (2)	Adjustment Factor (3)	Projected Claims (4)	Projected Severity (5)	Projected Loss & ALAE (6)
Compensable (excl. "DA Claims")	0.116	220,192	80.3%	21	\$3,140,053	\$64,562,847
Compensable ("DA Claims")	0.116	220,192	19.7%	5	254,678	1,287,933
Expected to be Dismissed	0.272	220,192	100.0%	34	15,724	539,581
Total				60		\$66,390,361

Notes:

- (1) Compensable: Exhibit 14, Col (5) adjusted by 5.7% annual trend
Expected to be dismissed: Exhibit 15, Col (5) adjusted by 1.0% annual trend
- (2) Exhibit 12, Col (3)
- (3) Based on Exhibit 7, Col (3), Selected
- (4) Compensable: Col (1) x (2) x (3) / 1,000
- (5) Exhibit 6
- (6) = Col (4) x Col (5)

Florida Birth-Related Neurological Injury Compensation Association

Exhibit 2

As of 12/31/2021

Summary of Estimated Outstanding Loss & LAE

Loss & ALAE Discounted to 12/31/2021

Birth Year	Known Claims			IBNR Claims			Pipeline Compensable Loss & ALAE	Pipeline Expected to be Dismissed Loss & ALAE	Total Outstanding Loss & ALAE
	Compensable Loss & ALAE	DA Loss & ALAE	Loss & ALAE on Claims Expected to be Dismissed	Compensable Loss & ALAE	DA Loss & ALAE	Loss & ALAE Expected to be Dismissed			
	(1)	(2)	(3)	(4)	(5)	(6)			
1989	\$10,252,538	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,252,538
1990	7,617,696	0	0	0	0	0	0	0	7,617,696
1991	12,638,043	0	0	0	0	0	0	0	12,638,043
1992	29,545,482	0	0	0	0	0	0	0	29,545,482
1993	25,104,006	0	0	0	0	0	0	0	25,104,006
1994	12,312,988	137,500	0	0	0	0	0	0	12,450,488
1995	19,444,188	0	0	0	0	0	0	0	19,444,188
1996	16,864,717	50,000	0	0	0	0	0	0	16,914,717
1997	29,509,886	50,000	0	0	0	0	0	0	29,559,886
1998	40,425,186	100,000	0	0	0	0	0	0	40,525,186
1999	9,893,963	50,000	0	0	0	0	0	0	9,943,963
2000	7,982,309	25,000	0	0	0	0	0	0	8,007,309
2001	15,804,210	50,000	0	0	0	0	0	0	15,854,210
2002	41,080,190	0	0	0	0	0	0	0	41,080,190
2003	8,339,293	80,000	0	0	0	0	0	0	8,419,293
2004	20,117,608	0	0	0	0	0	0	0	20,117,608
2005	20,108,123	0	0	0	0	0	0	0	20,108,123
2006	33,959,741	40,000	0	0	0	0	0	0	33,999,741
2007	22,942,669	20,000	0	0	0	0	0	0	22,962,669
2008	37,562,885	0	0	0	0	0	0	0	37,562,885
2009	37,538,697	40,000	11,782	0	0	0	0	0	37,590,479
2010	15,111,767	20,000	27,325	0	0	0	0	0	15,159,092
2011	32,620,310	0	0	0	0	0	0	0	32,620,310
2012	25,608,327	20,000	0	314,005	0	0	0	0	25,942,332
2013	24,215,616	20,000	0	314,005	0	0	0	0	24,549,621
2014	28,735,175	40,000	0	942,016	0	6,083	0	0	29,723,274
2015	52,694,152	40,000	900	2,512,042	0	26,289	0	51,234	55,324,617
2016	19,142,099	40,000	66,325	1,884,032	0	24,743	0	82,869	21,240,068
2017	39,144,092	3,639	110,229	7,222,121	0	78,746	0	81,594	46,640,422
2018	49,581,630	383,781	65,685	18,840,316	0	141,516	6,280,105	29,747	75,322,779
2019	26,565,333	49,303	108,040	31,400,526	0	151,671	9,420,158	112,934	67,807,965
2020	0	900,815	163,349	49,926,837	74,562	280,454	21,980,368	59,918	73,386,304
2021	0	330,360	27,572	68,139,142	594,292	446,199	0	89,312	69,626,877
Total	\$772,462,921	\$2,490,398	\$581,207	\$181,495,042	\$668,854	\$1,155,701	\$37,680,632	\$507,608	\$997,042,363

Notes:

- (1) Sum of Cols (1) & (2) from Exhibit 5
- (2) Sum of Cols (1) & (2) from Exhibit 4
- (3) Sum of Cols (1) & (2) from Exhibit 3
- (4) Exhibit 5, Col (4)
- (5) Exhibit 4, Col (4)
- (6) Exhibit 3, Col (4)
- (7) Based on discussion with NICA regarding claims expected to be compensable x Exhibit 6, Row (7)
- (8) Sum of defense outstanding pending claims with a NICA status of "Denied"
- (9) Sum of Cols (1) through (8)

ULAE Reserves: 20,162,351
(From Section I, Exhibit I, of Turner Consulting Actuarial Report)

Estimated Outstanding Loss & LAE: \$1,017,204,714

Florida Birth-Related Neurological Injury Compensation Association

Exhibit 3

As of 12/31/2021

Claims Expected to be Dismissed

Estimated Outstanding Loss & ALAE

Birth Year	Estimated Outstanding on Open Claims Discounted to 12/31/2021 Levels (1)	Estimated Outstanding on Closed Claims Discounted to 12/31/2021 Levels (2)	Estimated IBNR Claims (3)	Estimated Outstanding IBNR Discounted to 12/31/2021 Levels (4)	Estimated Outstanding Losses Discounted to 12/31/2021 Levels (5)
1989	\$0	\$0	0	\$0	\$0
1990	0	0	0	0	0
1991	0	0	0	0	0
1992	0	0	0	0	0
1993	0	0	0	0	0
1994	0	0	0	0	0
1995	0	0	0	0	0
1996	0	0	0	0	0
1997	0	0	0	0	0
1998	0	0	0	0	0
1999	0	0	0	0	0
2000	0	0	0	0	0
2001	0	0	0	0	0
2002	0	0	0	0	0
2003	0	0	0	0	0
2004	0	0	0	0	0
2005	0	0	0	0	0
2006	0	0	0	0	0
2007	0	0	0	0	0
2008	0	0	0	0	0
2009	0	11,782	0	0	11,782
2010	27,325	0	0	0	27,325
2011	0	0	0	0	0
2012	0	0	0	0	0
2013	0	0	0	0	0
2014	0	0	0	6,083	6,083
2015	0	900	2	26,289	27,189
2016	0	66,325	2	24,743	91,068
2017	73,226	37,003	5	78,746	188,975
2018	38,820	26,865	9	141,516	207,201
2019	28,840	79,200	10	151,671	259,710
2020	29,700	133,649	18	280,454	443,803
2021	0	27,572	28	446,199	473,771
Total	\$197,910	\$383,297	73	\$1,155,701	\$1,736,908

Notes:

- (1), & (2) Provided by NICA
- (3) Exhibit 9, Col (9) - Exhibit 8, Col (9)
- (4) = (3) x Exhibit 6, Row (15)
- (5) = (1) + (2) + (4)

Florida Birth-Related Neurological Injury Compensation Association

Exhibit 4

As of 12/31/2021

Compensable Claims

Deceased when Accepted Claims ("DA" Claims)

Estimated Outstanding Loss & ALAE

Birth Year	Estimated Outstanding on Open Claims Discounted to 12/31/2021 Levels (1)	Estimated Outstanding on Closed Claims Discounted to 12/31/2021 Levels (2)	Estimated IBNR Claims (3)	Estimated Outstanding IBNR Discounted to 12/31/2021 Levels (4)	Estimated Outstanding Losses Discounted to 12/31/2021 Levels (5)
1989	\$0	\$0	0	\$0	\$0
1990	0	0	0	0	0
1991	0	0	0	0	0
1992	0	0	0	0	0
1993	0	0	0	0	0
1994	0	137,500	0	0	137,500
1995	0	0	0	0	0
1996	0	50,000	0	0	50,000
1997	0	50,000	0	0	50,000
1998	0	100,000	0	0	100,000
1999	0	50,000	0	0	50,000
2000	0	25,000	0	0	25,000
2001	0	50,000	0	0	50,000
2002	0	0	0	0	0
2003	0	80,000	0	0	80,000
2004	0	0	0	0	0
2005	0	0	0	0	0
2006	0	40,000	0	0	40,000
2007	0	20,000	0	0	20,000
2008	0	0	0	0	0
2009	0	40,000	0	0	40,000
2010	0	20,000	0	0	20,000
2011	0	0	0	0	0
2012	0	20,000	0	0	20,000
2013	0	20,000	0	0	20,000
2014	0	40,000	0	0	40,000
2015	0	40,000	0	0	40,000
2016	0	40,000	0	0	40,000
2017	0	3,639	0	0	3,639
2018	343,781	40,000	0	0	383,781
2019	29,303	20,000	0	0	49,303
2020	477,315	423,501	0	74,562	975,377
2021	0	330,360	2	594,292	924,652
Total	\$850,399	\$1,639,999	3	\$668,854	\$3,159,253

Notes:

- (1) & (2) Provided by NICA
- (3) Exhibit 7, Col (6)
- (4) = (3) x Exhibit 6, Row (11)
- (5) = (1) + (2) + (4)

Florida Birth-Related Neurological Injury Compensation Association

Exhibit 5

As of 12/31/2021

Compensable Claims

Excludes Deceased when Accepted Claims ("DA" Claims)

Estimated Outstanding Loss & ALAE

Birth Year	Estimated Outstanding on Open Claims Discounted to 12/31/2021 Levels (1)	Estimated Outstanding on Closed Claims Discounted to 12/31/2021 Levels (2)	Estimated IBNR Claims (3)	Estimated Outstanding IBNR Discounted to 12/31/2021 Levels (4)	Estimated Outstanding Losses Discounted to 12/31/2021 Levels (5)
1989	\$10,252,538	\$0	0	\$0	\$10,252,538
1990	7,517,696	100,000	0	0	7,617,696
1991	12,638,043	0	0	0	12,638,043
1992	29,495,482	50,000	0	0	29,545,482
1993	25,100,781	3,225	0	0	25,104,006
1994	12,212,988	100,000	0	0	12,312,988
1995	19,394,188	50,000	0	0	19,444,188
1996	16,814,717	50,000	0	0	16,864,717
1997	29,459,886	50,000	0	0	29,509,886
1998	40,425,186	0	0	0	40,425,186
1999	9,843,963	50,000	0	0	9,893,963
2000	7,932,309	50,000	0	0	7,982,309
2001	15,804,210	0	0	0	15,804,210
2002	41,000,190	80,000	0	0	41,080,190
2003	8,339,293	0	0	0	8,339,293
2004	20,077,608	40,000	0	0	20,117,608
2005	20,108,123	0	0	0	20,108,123
2006	33,959,741	0	0	0	33,959,741
2007	22,942,669	0	0	0	22,942,669
2008	37,562,885	0	0	0	37,562,885
2009	37,498,697	40,000	0	0	37,538,697
2010	15,111,767	0	0	0	15,111,767
2011	32,620,310	0	0	0	32,620,310
2012	25,608,327	0	0	314,005	25,922,332
2013	24,215,616	0	0	314,005	24,529,621
2014	28,682,342	52,833	0	942,016	29,677,191
2015	52,614,152	80,000	1	2,512,042	55,206,194
2016	19,133,556	8,543	1	1,884,032	21,026,130
2017	39,144,092	0	2	7,222,121	46,366,213
2018	49,581,630	0	6	18,840,316	68,421,946
2019	26,565,258	75	10	31,400,526	57,965,860
2020	0	0	16	49,926,837	49,926,837
2021	0	0	22	68,139,142	68,139,142
Total	\$771,658,245	\$804,676	58	\$181,495,042	\$953,957,963

Notes:

- (1) Based on reserve worksheets provided by NICA and 2019 mortality table compiled the Social Security Administration Assumptions include inflation of 3.0% and a discount rate of 5.0% per annum
- (2) Provided by NICA
- (3) Exhibit 7, Col (7)
- (4) = (3) x Exhibit 6, Row (7)
- (5) = (1) + (2) + (4)

Florida Birth-Related Neurological Injury Compensation Association

Exhibit 6

As of 12/31/2021

Estimated Ultimate Claim Severity

Calendar Year	Total Paid Loss & ALAE	CPI Trend Factor to 12/31/2021	Trended Total Paid Loss & ALAE at 12/31/2021 Levels
	(1)	(2)	(3)
1989	\$0	2.261	\$0
1990	4,894,462	2.158	\$10,564,426
1991	14,209,937	2.065	29,341,745
1992	10,242,692	2.003	20,516,741
1993	11,277,875	1.946	21,948,860
1994	18,890,176	1.897	35,833,255
1995	20,260,295	1.843	37,336,005
1996	8,963,289	1.792	16,059,603
1997	17,423,220	1.753	30,545,470
1998	15,630,099	1.724	26,947,968
1999	16,492,917	1.689	27,862,917
2000	13,011,312	1.630	21,203,610
2001	18,708,029	1.583	29,611,422
2002	13,427,352	1.563	20,987,108
2003	10,713,824	1.532	16,417,124
2004	6,976,805	1.487	10,374,011
2005	10,224,185	1.446	14,787,944
2006	13,614,423	1.389	18,908,102
2007	11,339,197	1.355	15,363,378
2008	13,703,223	1.288	17,645,798
2009	16,687,104	1.309	21,836,526
2010	11,177,553	1.293	14,448,911
2011	7,695,958	1.248	9,608,114
2012	7,809,551	1.230	9,602,481
2013	4,073,170	1.208	4,919,709
2014	7,956,165	1.184	9,419,762
2015	9,692,650	1.182	11,452,479
2016	6,249,806	1.170	7,313,328
2017	4,263,203	1.151	4,906,106
2018	5,614,389	1.119	6,280,574
2019	7,505,322	1.099	8,251,038
2020	5,147,695	1.090	5,609,796
2021	3,128,568	1.035	3,237,550
Total	\$347,004,448		\$539,141,860
	% of Compensable Claims Excluding DA Claims		92.5% (4)
	Estimated Outstanding on Compensable Claims Excluding DA Claims		772,462,921 (5)
	Estimated Ultimate Compensable Claims Excluding DA Claims		405 (6)
	Estimated Severity of Compensable Claims Excluding DA Claims		3,140,053 (7)
	% of DA Claims		5.0% (8)
	Estimated Outstanding on DA Claims		2,490,398 (9)
	Estimated Ultimate DA Claims		116 (10)
	Estimated Severity of DA Claims		254,678 (11)
	% of Claims Expected to be Dismissed		2.5% (12)
	Estimated Outstanding on Claims Expected to be Dismissed		581,207 (13)
	Estimated Ultimate on Claims Expected to be Dismissed		894 (14)
	Estimated Severity of Claims Expected to be Dismissed		15,724 (15)

Notes:

- (1) Provided by NICA
- (2) www.bls.gov; CPI for all urban consumers
- (3) = (1) x (2)
- (4), (8), (12) Based on paid loss data provided by NICA
- (5) Exhibit 5, Cols (1) + (2)
- (6) Exhibit 8, Col (5), Total Row - Sum of Exhibit 7, Col (5)
- (7) = [(3) x (4) + (5)] / (6)
- (9) Exhibit 4, Cols (1) + (2)
- (10) Sum of Exhibit 7, Col (5)
- (11) = [(3) x (8) + (9)] / (10)
- (13) Exhibit 3, Cols (1) + (2)
- (14) Exhibit 9, Col (5) - Exhibit 8, Col (5)
- (15) = [(3) x (12) + (13)] / (14)

Florida Birth-Related Neurological Injury Compensation Association
As of 12/31/2021

Exhibit 7

Estimated IBNR on Awarded Claims

Birth Year	Selected Ultimate Compensable Claims (1)	DA Claims (2)	Ratio of DA Claims to Ult. Compensable Claims (3)	Expected DA Claims (4)	Selected Ultimate DA Claims (5)	IBNR Compensable DA Claims (6)	IBNR Compensable Excl. DA Claims (7)
1989	15	5	33.3%	3	5	0	0
1990	10	0	0.0%	2	0	0	0
1991	8	1	12.5%	2	1	0	0
1992	14	0	0.0%	3	0	0	0
1993	15	2	13.3%	3	2	0	0
1994	16	7	43.7%	3	7	0	0
1995	11	3	27.3%	2	3	0	0
1996	17	6	35.3%	3	6	0	0
1997	17	3	17.6%	3	3	0	0
1998	17	3	17.6%	3	3	0	0
1999	18	7	38.9%	4	7	0	0
2000	13	5	38.5%	3	5	0	0
2001	13	4	30.8%	3	4	0	0
2002	22	3	13.6%	4	3	0	0
2003	9	5	55.5%	2	5	0	0
2004	14	5	35.7%	3	5	0	0
2005	13	0	0.0%	3	0	0	0
2006	13	2	15.4%	3	2	0	0
2007	15	6	40.0%	3	6	0	0
2008	13	1	7.7%	3	1	0	0
2009	17	5	29.4%	3	5	0	0
2010	12	6	49.9%	2	6	0	0
2011	14	0	0.0%	3	0	0	0
2012	16	2	12.4%	3	2	0	0
2013	11	4	36.0%	2	4	0	0
2014	13	1	7.5%	3	1	0	0
2015	22	2	9.2%	4	2	0	1
2016	10	3	31.4%	2	3	0	1
2017	16	3	18.4%	3	3	0	2
2018	29	8	27.6%	6	8	0	6
2019	24	4	16.7%	5	4	0	10
Total	467	106	22.7%				
		15 Yr Vol Wgt	19.7%				
		10 Yr Vol Wgt	19.7%				
		5 Yr Vol Wgt	19.9%				
		4 Yr Vol Wgt	22.8%				
		3 Yr Vol Wgt	21.7%				
		Selected	19.7%				
2020	26	4	15.3%	5	4	0	16
2021	27	3	11.1%	5	5	2	22

Notes:

- (1) Exhibit 8, Col (5)
- (2) Provided by NICA
Excludes DOAH Status: Pending
- (3) = (2) / (1)
- (4) = (1) x (3), Selected
- (5) 2019 & Prior: Col (2)
2020 & subsequent: (4) - (2)
- (6) = (5) - (2)
- (7) Exhibit 8, Col (9) - (6)

Florida Birth-Related Neurological Injury Compensation Association

Exhibit 8

As of 12/31/2021

Compensable Claims

Selected Ultimate Claims

Birth Year	Based on Reported Development Method (1)	Based on B/F Method (2)	Based on Expected Claims Method (3)	Selected Ultimate Claims 12/31/2019 (4)	Selected Ultimate Claims 12/31/2021 (5)	Resident Live Births (6)	Indicated Ultimate Frequency (7)	Compensable Claims (8)	Indicated IBNR Claims (9)
1989	15				15			15	0
1990	10				10			10	0
1991	8				8			8	0
1992	14				14			14	0
1993	15				15			15	0
1994	16				16			16	0
1995	11				11			11	0
1996	17				17			17	0
1997	17				17			17	0
1998	17				17			17	0
1999	18				18			18	0
2000	13				13			13	0
2001	13	13	8		13	205,800	0.063	13	0
2002	22	22	9		22	205,580	0.107	22	0
2003	9	9	10		9	212,243	0.042	9	0
2004	14	14	10		14	218,045	0.064	14	0
2005	13	13	11		13	226,219	0.057	13	0
2006	13	13	13		13	237,166	0.055	13	0
2007	15	15	14		15	239,120	0.063	15	0
2008	13	13	14		13	231,417	0.056	13	0
2009	17	17	14		17	221,391	0.077	17	0
2010	12	12	14	12	12	214,519	0.056	12	0
2011	14	14	15	14	14	213,237	0.066	14	0
2012	16	16	16	16	16	212,954	0.076	16	0
2013	11	11	17	11	11	215,194	0.052	11	0
2014	13	13	18	14	13	219,905	0.060	13	0
2015	22	22	20	19	22	224,273	0.097	21	1
2016	10	10	21	7	10	225,018	0.042	9	1
2017	16	17	22	14	16	223,579	0.073	14	2
2018	31	29	23	17	29	221,508	0.131	23	6
2019	24	24	24	15	24	220,010	0.109	14	10
2020	37	28	24		26	209,645	0.125	10	16
2021			27		27	219,690	0.123	3	24
Total	506	325	345		520			460	60

Notes:

- | | |
|---|-------------------------|
| (1) Exhibit 16, Col (3) | (6) Exhibit 10, Col (1) |
| (2) Exhibit 10, Col (8) | (7) = (5) / (6) x 1,000 |
| (3) Exhibit 10, Col (3) | (8) Exhibit 16, Col (1) |
| (4) From 12/31/2019 report prepared by Joseph Boor, FCAS, PHD, CERA | (9) = (5) - (8) |
| (5) Selected based on Cols (1) through (3) | |

Florida Birth-Related Neurological Injury Compensation Association

Exhibit 9

As of 12/31/2021

Reported Claims

Selected Ultimate Claims

Birth Year	Based on Reported Development Method (1)	Based on B/F Method (2)	Based on Expected Claims Method (3)	Selected Ultimate Claims 12/31/2019 (4)	Selected Ultimate Claims 12/31/2021 (5)	Resident Live Births (6)	Indicated Ultimate Frequency (7)	Reported Claims (8)	Indicated IBNR Claims (9)
1989	32				32			32	0
1990	39				39			39	0
1991	38				38			38	0
1992	48				48			48	0
1993	40				40			40	0
1994	36				36			36	0
1995	26				26			26	0
1996	40				40			40	0
1997	47				47			47	0
1998	42				42			42	0
1999	40				40			40	0
2000	38				38			38	0
2001	41	41	46		41	205,800	0.199	41	0
2002	50	50	47		50	205,580	0.243	50	0
2003	23	23	49		23	212,243	0.108	23	0
2004	31	31	51		31	218,045	0.142	31	0
2005	41	41	53		41	226,219	0.181	41	0
2006	33	33	56		33	237,166	0.139	33	0
2007	36	36	57		36	239,120	0.151	36	0
2008	42	42	56		42	231,417	0.181	42	0
2009	50	50	54		50	221,391	0.226	50	0
2010	40	40	53	40	40	214,519	0.186	40	0
2011	44	44	53	44	44	213,237	0.206	44	0
2012	50	50	54	51	50	212,954	0.235	50	0
2013	32	32	55	34	32	215,194	0.149	32	0
2014	46	46	56	48	46	219,905	0.208	45	1
2015	52	53	58	53	52	224,273	0.234	50	2
2016	38	39	59	32	38	225,018	0.169	36	2
2017	51	52	59	52	51	223,579	0.229	44	7
2018	70	67	59	55	67	221,508	0.302	52	15
2019	67	64	59	55	62	220,010	0.280	42	20
2020	68	61	57		59	209,645	0.282	25	34
2021	91	63	60		60	219,690	0.275	8	52
Total	1,462	958	1,151		1,415			1,281	134

Notes:

- (1) Exhibit 17, Col (3)
- (2) Exhibit 11, Col (8)
- (3) Exhibit 11, Col (3)
- (4) From 12/31/2019 report prepared by Joseph Boor, FCAS, PHD, CERA
- (5) Selected based on Cols (1) through (3)
- (6) Exhibit 11, Col (1)
- (7) = (5) / (6) x 1,000
- (8) Exhibit 17, Col (1)
- (9) = (5) - (8)

Florida Birth-Related Neurological Injury Compensation Association

Exhibit 10

As of 12/31/2021

Compensable Claims

Ultimate Claims Based on Reported Bornhuetter-Ferguson Method

Birth Year	Resident Live Births	Initial Expected Frequency	Expected Ultimate Claims	Percentage Reported	Expected Unreported Claims	Expected Reported Claims	Actual Reported Claims	Projected Ultimate Claims	Indicated Ultimate Frequency
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2001	205,800	0.041	8	100.0%	0	8	13	13	0.063
2002	205,580	0.043	9	100.0%	0	9	22	22	0.107
2003	212,243	0.045	10	100.0%	0	10	9	9	0.042
2004	218,045	0.048	10	100.0%	0	10	14	14	0.064
2005	226,219	0.051	11	100.0%	0	11	13	13	0.057
2006	237,166	0.053	13	100.0%	0	13	13	13	0.055
2007	239,120	0.057	14	99.9%	0	14	15	15	0.063
2008	231,417	0.060	14	99.9%	0	14	13	13	0.056
2009	221,391	0.063	14	99.9%	0	14	17	17	0.077
2010	214,519	0.067	14	99.8%	0	14	12	12	0.056
2011	213,237	0.071	15	99.7%	0	15	14	14	0.066
2012	212,954	0.075	16	99.5%	0	16	16	16	0.075
2013	215,194	0.079	17	98.9%	0	17	11	11	0.051
2014	219,905	0.083	18	97.7%	0	18	13	13	0.059
2015	224,273	0.088	20	96.5%	1	19	21	22	0.098
2016	225,018	0.093	21	94.2%	1	20	9	10	0.044
2017	223,579	0.099	22	86.0%	3	19	14	17	0.076
2018	221,508	0.104	23	74.6%	6	17	23	29	0.131
2019	220,010	0.110	24	57.7%	10	14	14	24	0.109
2020	209,645	0.116	24	27.3%	18	6	10	28	0.134
2021	219,690	0.123	27				3		
Total	4,616,513		345		39	279	289	325	0.070

Notes:

- (1) 2021: Exhibit 12, Col (3)
- (2) 2021: Exhibit 14, Col (5) Selected
- (3) = (1) x (2) / 1,000
- (4) = 1.0 / Exhibit 16, Col (2)
- (5) = (3) x [1.0 - (4)]
- (6) = (3) - (5)
- (7) Provided by NICA
- (8) = (5) + (7)
- (9) = (8) / (1) x 1,000

Florida Birth-Related Neurological Injury Compensation Association

Exhibit 11

As of 12/31/2021

Reported Claims

Ultimate Claims Based on Reported Bornhuetter-Ferguson Method

Birth Year	Resident Live Births	Initial Expected Frequency	Expected Ultimate Claims	Percentage Reported	Expected Unreported Claims	Expected Reported Claims	Actual Reported Claims	Projected Ultimate Claims	Indicated Ultimate Frequency
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2001	205,800	0.225	46	100.0%	0	46	41	41	0.199
2002	205,580	0.228	47	100.0%	0	47	50	50	0.243
2003	212,243	0.230	49	100.0%	0	49	23	23	0.108
2004	218,045	0.232	51	100.0%	0	51	31	31	0.142
2005	226,219	0.234	53	100.0%	0	53	41	41	0.181
2006	237,166	0.237	56	100.0%	0	56	33	33	0.139
2007	239,120	0.239	57	100.0%	0	57	36	36	0.151
2008	231,417	0.242	56	100.0%	0	56	42	42	0.181
2009	221,391	0.244	54	100.0%	0	54	50	50	0.226
2010	214,519	0.246	53	100.0%	0	53	40	40	0.186
2011	213,237	0.249	53	100.0%	0	53	44	44	0.206
2012	212,954	0.251	54	100.0%	0	54	50	50	0.235
2013	215,194	0.254	55	100.0%	0	55	32	32	0.149
2014	219,905	0.256	56	98.5%	1	55	45	46	0.209
2015	224,273	0.259	58	95.4%	3	55	50	53	0.236
2016	225,018	0.262	59	94.4%	3	56	36	39	0.173
2017	223,579	0.264	59	85.8%	8	51	44	52	0.233
2018	221,508	0.267	59	74.2%	15	44	52	67	0.302
2019	220,010	0.269	59	62.7%	22	37	42	64	0.291
2020	209,645	0.272	57	36.9%	36	21	25	61	0.291
2021	219,690	0.275	60	8.8%	55	5	8	63	0.287
Total	4,616,513		1,151		143	1,008	815	958	0.208

Notes:

- (1) 2021: Exhibit 12, Col (3)
2020 & prior: Exhibit 13, Col (1)
- (2) 2021: Exhibit 15, Col (5) Selected
2020 & prior: detrended at an annual rate of 1.0% per annum
- (3) = (1) x (2) / 1,000
- (4) = 1.0 / Exhibit 17, Col (2)
- (5) = (3) x [1.0 - (4)]
- (6) = (3) - (5)
- (7) Provided by NICA
- (8) = (5) + (7)
- (9) = (8) / (1) x 1,000

Florida Birth-Related Neurological Injury Compensation Association
As of 12/31/2021
Projected Resident Live Births for 2021 & 2022

Exhibit 12

Birth Year	Florida Population	Resident Births per 1,000 Population	Projected Resident Live Births
	(1)	(2)	(3)
2021	21,781,128	10.09	219,690
2022	22,129,626	9.95	220,192

Notes:

- (1) 2021 taken from www.census.gov
 2022 based on 2021 adjusted by 1.6% growth in population
- (2) Exhibit 13, Col (5)
 2022 = 2021, Col (2) x [1 + Exhibit 13, Col (2), Selected Trend Row]
- (3) = (1) x (2) / 1,000

Florida Birth-Related Neurological Injury Compensation Association

Exhibit 13

As of 12/31/2021

Resident Live Births per 1,000 Population

Birth Year	Resident Live Births	Florida Population	Frequency	Frequency Trend	Frequency Adjusted to 2021 Level
	(1)	(2)	(3)	(4)	(5)
2001	205,800	16,384,860	12.56	0.762	9.57
2002	205,580	16,718,033	12.30	0.772	9.50
2003	212,243	17,074,368	12.43	0.783	9.73
2004	218,045	17,476,489	12.48	0.794	9.90
2005	226,219	17,876,663	12.65	0.805	10.18
2006	237,166	18,237,596	13.00	0.816	10.61
2007	239,120	18,500,958	12.92	0.827	10.69
2008	231,417	18,636,837	12.42	0.838	10.41
2009	221,391	18,711,844	11.83	0.850	10.05
2010	214,519	18,820,280	11.40	0.861	9.82
2011	213,237	18,941,742	11.26	0.873	9.83
2012	212,954	19,118,938	11.14	0.885	9.86
2013	215,194	19,314,396	11.14	0.897	9.99
2014	219,905	19,579,871	11.23	0.909	10.21
2015	224,273	19,897,762	11.27	0.922	10.39
2016	225,018	20,231,092	11.12	0.934	10.39
2017	223,579	20,555,733	10.88	0.947	10.30
2018	221,508	20,957,705	10.57	0.960	10.15
2019	220,010	21,268,553	10.34	0.973	10.07
2020	209,645	21,640,766	9.69	0.987	9.56
Total	4,396,823	379,944,486	11.57		10.07
	15 Yr Trend	-1.6%		15 Yr Vol Wgt	10.15
	10 Yr Trend	-1.3%		10 Yr Vol Wgt	10.07
	7 Yr Trend	-2.4%		10 Yr Vol Wgt x-H/L	10.10
	5 Yr Trend	-3.2%		5 Yr Vol Wgt	10.09
	4 Yr Trend	-3.6%		4 Yr Vol Wgt	10.01
	3 Yr Trend	-4.3%		3 Yr Vol Wgt	9.92
	Selected Trend	-1.3%		Selected	10.09

Notes:

- (1), (2) Based on data compiled by the Florida Department of Health
- (3) = (1) / (2) x 1,000
- (4) Based on selected annual trend of -1.3%
- (5) = (3) x (4)

Florida Birth-Related Neurological Injury Compensation Association

Exhibit 14

As of 12/31/2021

Compensable Claims

Selected Initial Expected Frequency

Birth Year	Initial Ultimate Claims	Resident Live Births	Indicated Ultimate Frequency	Frequency Trend	Frequency Adjusted to 2021 Level
	(1)	(2)	(3)	(4)	(5)
2001	13	205,800	0.063	3.034	0.192
2002	22	205,580	0.107	2.870	0.307
2003	9	212,243	0.042	2.715	0.115
2004	14	218,045	0.064	2.569	0.165
2005	13	226,219	0.057	2.430	0.140
2006	13	237,166	0.055	2.299	0.126
2007	15	239,120	0.063	2.175	0.137
2008	13	231,417	0.056	2.057	0.116
2009	17	221,391	0.077	1.946	0.150
2010	12	214,519	0.056	1.841	0.103
2011	14	213,237	0.066	1.742	0.115
2012	16	212,954	0.076	1.648	0.124
2013	11	215,194	0.052	1.559	0.081
2014	13	219,905	0.060	1.475	0.089
2015	22	224,273	0.097	1.395	0.135
2016	10	225,018	0.042	1.320	0.056
2017	16	223,579	0.073	1.249	0.091
2018	31	221,508	0.139	1.181	0.164
2019	24	220,010	0.110	1.117	0.123
2020	37	209,645	0.175	1.057	0.185
Total	335	4,396,823	0.076		0.135
	15 Yr Trend	5.7%		15 Yr Vol Wgt	0.120
	10 Yr Trend	10.3%		10 Yr Vol Wgt	0.116
	7 Yr Trend	18.0%		10 Yr Vol Wgt x-H/L	0.115
	5 Yr Trend	38.4%		5 Yr Vol Wgt	0.123
	4 Yr Trend	27.1%		4 Yr Vol Wgt	0.140
	3 Yr Trend	12.1%		3 Yr Vol Wgt	0.157
	Selected Trend	5.7%		Selected	0.123

Notes:

- (1) Exhibit 16, Col (3)
- (2) Based on data compiled by the Florida Department of Health
- (3) = (1) / (2) x 1,000
- (4) Based on selected annual trend of 5.7%
- (5) = (3) x (4)

Florida Birth-Related Neurological Injury Compensation Association

Exhibit 15

As of 12/31/2021

Reported Claims

Selected Initial Expected Frequency

Birth Year	Initial Ultimate Claims	Resident Live Births	Indicated Ultimate Frequency	Frequency Trend	Frequency Adjusted to 2021 Level
	(1)	(2)	(3)	(4)	(5)
2001	41	205,800	0.199	1.220	0.243
2002	50	205,580	0.243	1.208	0.294
2003	23	212,243	0.108	1.196	0.130
2004	31	218,045	0.142	1.184	0.168
2005	41	226,219	0.181	1.173	0.213
2006	33	237,166	0.139	1.161	0.162
2007	36	239,120	0.151	1.149	0.173
2008	42	231,417	0.181	1.138	0.207
2009	50	221,391	0.226	1.127	0.254
2010	40	214,519	0.186	1.116	0.208
2011	44	213,237	0.206	1.105	0.228
2012	50	212,954	0.235	1.094	0.257
2013	32	215,194	0.149	1.083	0.161
2014	46	219,905	0.208	1.072	0.223
2015	52	224,273	0.234	1.062	0.248
2016	38	225,018	0.169	1.051	0.178
2017	51	223,579	0.229	1.041	0.239
2018	70	221,508	0.316	1.030	0.326
2019	67	220,010	0.305	1.020	0.311
2020	68	209,645	0.323	1.010	0.326
Total	905	4,396,823	0.206		0.227
	15 Yr Trend	4.7%		15 Yr Vol Wgt	0.232
	10 Yr Trend	6.0%		10 Yr Vol Wgt	0.249
	7 Yr Trend	9.2%		10 Yr Vol Wgt x-H/L	0.251
	5 Yr Trend	17.0%		5 Yr Vol Wgt	0.275
	4 Yr Trend	10.4%		4 Yr Vol Wgt	0.300
	3 Yr Trend	1.0%		3 Yr Vol Wgt	0.321
	Selected Trend	1.0%		Selected	0.275

Notes:

- (1) Exhibit 17, Col (3)
- (2) Based on data compiled by the Florida Department of Health
- (3) = (1) / (2) x 1,000
- (4) Based on selected annual trend of 1.0%
- (5) = (3) x (4)

Florida Birth-Related Neurological Injury Compensation Association

Exhibit 16

As of 12/31/2021

Compensable Claims

Incurred Claim Development Method

Birth Year	Cumulative Compensable Claims (1)	Cumulative Development Factors (2)	Projected Ultimate Compensable Claims (3)
1989	15	1.000	15
1990	10	1.000	10
1991	8	1.000	8
1992	14	1.000	14
1993	15	1.000	15
1994	16	1.000	16
1995	11	1.000	11
1996	17	1.000	17
1997	17	1.000	17
1998	17	1.000	17
1999	18	1.000	18
2000	13	1.000	13
2001	13	1.000	13
2002	22	1.000	22
2003	9	1.000	9
2004	14	1.000	14
2005	13	1.000	13
2006	13	1.000	13
2007	15	1.001	15
2008	13	1.001	13
2009	17	1.001	17
2010	12	1.002	12
2011	14	1.003	14
2012	16	1.005	16
2013	11	1.011	11
2014	13	1.023	13
2015	21	1.036	22
2016	9	1.062	10
2017	14	1.163	16
2018	23	1.340	31
2019	14	1.735	24
2020	10	3.667	37
2021	3	NA	
Total	460		506

Notes:

- (1) Provided by NICA
- (2) Based on Exhibit 18
- (3) = (1) x (2)

Florida Birth-Related Neurological Injury Compensation Association

Exhibit 17

As of 12/31/2021

Reported Claims

Incurred Claim Development Method

Birth Year	Cumulative Reported Claims (1)	Cumulative Development Factors (2)	Projected Ultimate Reported Claims (3)
1989	32	1.000	32
1990	39	1.000	39
1991	38	1.000	38
1992	48	1.000	48
1993	40	1.000	40
1994	36	1.000	36
1995	26	1.000	26
1996	40	1.000	40
1997	47	1.000	47
1998	42	1.000	42
1999	40	1.000	40
2000	38	1.000	38
2001	41	1.000	41
2002	50	1.000	50
2003	23	1.000	23
2004	31	1.000	31
2005	41	1.000	41
2006	33	1.000	33
2007	36	1.000	36
2008	42	1.000	42
2009	50	1.000	50
2010	40	1.000	40
2011	44	1.000	44
2012	50	1.000	50
2013	32	1.000	32
2014	45	1.015	46
2015	50	1.049	52
2016	36	1.059	38
2017	44	1.166	51
2018	52	1.347	70
2019	42	1.596	67
2020	25	2.707	68
2021	8	11.368	91
Total	1,281		1,462

Notes:

- (1) Provided by NICA
- (2) Based on Exhibit 19
- (3) = (1) x (2)

Florida Birth-Related Neurological Injury Compensation Association
As of 12/31/2021
Compensable Claim Count Development Pattern

Exhibit 18

Birth Year	As of (Months of Development)									
	12	24	36	48	60	72	84	96	108	120
2000										13
2001									13	13
2002								22	22	22
2003							9	9	9	9
2004						11	12	13	13	14
2005					10	13	13	13	13	13
2006				8	11	13	13	13	13	13
2007			7	12	13	14	14	14	15	15
2008		2	7	10	11	11	13	13	13	13
2009	2	5	11	14	15	15	15	16	17	17
2010	1	6	8	12	12	12	12	12	12	12
2011	0	1	8	9	11	13	14	14	14	14
2012	0	2	8	13	15	16	16	16	16	16
2013	1	5	9	10	11	11	11	11	11	
2014	1	5	8	10	13	13	13	13		
2015	0	3	9	15	17	21	21			
2016	0	3	4	5	8	9				
2017	0	4	8	13	14					
2018	0	5	22	23						
2019	0	10	14							
2020	0	10								
2021	3									

Florida Birth-Related Neurological Injury Compensation Association

Exhibit 18

As of 12/31/2021

Compensable Claim Count Development Pattern

Birth Year	Development Factors									
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-Ult
2000										
2001									1.000	
2002								1.000	1.000	
2003							1.000	1.000	1.000	
2004						1.091	1.083	1.000	1.077	
2005					1.300	1.000	1.000	1.000	1.000	
2006				1.375	1.182	1.000	1.000	1.000	1.000	
2007			1.714	1.083	1.077	1.000	1.000	1.071	1.000	
2008		3.500	1.429	1.100	1.000	1.182	1.000	1.000	1.000	
2009	2.500	2.200	1.273	1.071	1.000	1.000	1.067	1.063	1.000	
2010	6.000	1.333	1.500	1.000	1.000	1.000	1.000	1.000	1.000	
2011		8.000	1.125	1.222	1.182	1.077	1.000	1.000	1.000	
2012		4.000	1.625	1.154	1.067	1.000	1.000	1.000	1.000	
2013	5.000	1.800	1.111	1.100	1.000	1.000	1.000	1.000		
2014	5.000	1.600	1.250	1.300	1.000	1.000	1.000			
2015		3.000	1.667	1.133	1.235	1.000				
2016		1.333	1.250	1.600	1.125					
2017		2.000	1.625	1.077						
2018		4.400	1.045							
2019		1.400								
2020										
Avg	4.625	2.881	1.384	1.185	1.097	1.029	1.013	1.011	1.006	
W Avg	11.800	2.275	1.339	1.153	1.095	1.025	1.013	1.012	1.006	
5 yr W Avg		2.280	1.294	1.189	1.094	1.014	1.000	1.014	1.000	
7 yr W Avg		2.114	1.309	1.187	1.092	1.010	1.011	1.021	1.000	
10 yr W Avg		2.227	1.305	1.144	1.071	1.022	1.007	1.015	1.007	
5 yr Avg x Hi/Lo		2.133	1.375	1.178	1.064	1.000	1.000	1.000	1.000	
10 yr Avg x Hi/Lo		2.442	1.345	1.145	1.056	1.010	1.000	1.008	1.000	
Prior at 12/31/2019	7.800	2.222	1.392	1.142	1.074	1.031	1.015	1.014	1.007	1.007
Prior LDF to Ult	31.840	4.082	1.837	1.320	1.156	1.076	1.044	1.028	1.014	1.007
Selected	10.000	2.114	1.294	1.153	1.095	1.025	1.013	1.012	1.006	1.005
LDF to Ultimate	36.674	3.667	1.735	1.340	1.163	1.062	1.036	1.023	1.011	1.005

Florida Birth-Related Neurological Injury Compensation Association
 As of 12/31/2021
 Reported Claim Count Development Pattern

Exhibit 19

Birth Year	As of (Months of Development)																																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396			
1990	1	7	18	27	30	37	38	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39		
1991	0	6	17	24	29	34	34	37	37	37	37	37	37	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38		
1992	5	11	31	39	42	47	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48		
1993	3	9	32	34	35	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40		
1994	3	16	29	32	32	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36		
1995	2	6	14	20	23	25	25	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26		
1996	2	11	19	23	31	39	39	39	39	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40		
1997	2	11	23	32	42	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47		
1998	2	12	29	33	34	41	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	
1999	5	14	22	29	32	39	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
2000	4	16	26	31	33	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	
2001	3	10	23	30	35	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
2002	3	18	33	38	42	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
2003	3	8	11	15	18	21	21	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
2004	0	9	14	20	23	29	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	
2005	0	9	21	30	35	39	40	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
2006	2	9	17	24	28	32	32	32	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	
2007	4	12	22	26	31	32	33	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	
2008	1	9	18	24	29	37	37	41	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	
2009	5	15	26	34	39	47	48	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
2010	4	13	25	32	36	39	39	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
2011	6	14	24	37	38	40	40	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	
2012	5	17	36	44	46	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
2013	5	12	23	27	31	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	
2014	2	14	32	38	44	44	44	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	
2015	0	13	34	41	44	48	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
2016	7	13	19	25	30	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	
2017	3	21	32	36	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	
2018	7	29	46	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	
2019	8	26	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	
2020	2	25	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	
2021	8	25	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	

Florida Birth-Related Neurological Injury Compensation Association

Exhibit 20

As of 12/31/2021

Evaluation of Investment Income Rate of Return

Calendar Year	Beginning Assets	Ending Assets	Investment Income	Investment Fees	Net Invest. Revenue	Net Return
Ending 30-Jun	(1)	(2)	(3)	(4)	(5)	(6)
1999	-	259,753,054	14,729,889	634,437	14,095,452	
2000	259,753,054	290,594,274	13,484,516	757,077	12,727,439	4.6%
2001	290,594,274	322,448,433	26,492,391	898,720	25,593,671	8.3%
2002	322,448,433	346,096,030	(2,364,423)	1,069,770	(3,434,193)	-1.0%
2003	346,096,030	382,229,582	12,021,744	1,092,207	10,929,537	3.0%
2004	382,229,582	440,726,160	43,973,889	1,440,245	42,533,644	10.3%
2005	440,726,160	500,202,393	43,454,989	1,903,011	41,551,978	8.8%
2006	500,202,393	606,754,030	61,655,301	2,715,730	58,939,571	10.6%
2007	606,754,030	716,319,722	90,147,957	3,219,148	86,928,809	13.1%
2008	716,319,722	705,135,858	(16,082,004)	3,421,872	(19,503,876)	-2.7%
2009	705,135,858	563,808,849	(109,232,024)	2,418,989	(111,651,013)	-17.6%
2010	563,808,849	652,202,115	86,478,251	2,558,749	83,919,502	13.8%
2011	652,202,115	762,134,527	111,039,225	3,167,414	107,871,811	15.3%
2012	762,134,527	800,516,517	17,678,775	2,863,323	14,815,452	1.9%
2013	800,516,517	890,786,400	73,775,304	3,263,491	70,511,813	8.3%
2014	890,786,400	1,024,478,268	144,560,808	3,865,431	140,695,377	14.7%
2015	1,024,478,268	1,030,522,152	8,795,827	3,644,655	5,151,172	0.5%
2016	1,030,522,152	1,072,391,046	35,864,078	3,618,760	32,245,318	3.1%
2017	1,072,391,046	1,158,494,820	95,128,890	3,070,049	92,058,841	8.3%
2018	1,158,494,820	1,210,964,330	50,669,779	3,417,424	47,252,355	4.0%
2019	1,210,964,330	1,315,790,163	106,706,461	3,236,594	103,469,867	8.2%
2020	1,315,790,163	1,475,845,426	124,591,136	3,308,839	121,282,297	8.7%
2021	1,475,845,426	1,699,486,369	254,082,247	3,706,519	250,375,728	15.8%

Average: 2000 - 2021 5.6%

Average: 2005 - 2021 6.2%

Average: 2010 - 2021 7.9%

Average: 2015 - 2021 6.8%

Notes:

(1), (2) From NICA financial statements; Balance Sheet

(3), (4) From NICA financial statements; Income Statement

(5) = (3) - (4)

NICA Selected 5.0%

(6) = [(5) / Average (1), (2)]

Florida Birth-Related Neurological Injury Compensation Association

Exhibit 21

As of 12/31/2021

Evaluation of Rate of Inflation

Year	Consumer Price Index (1)	% Change (2)
1999	166.4	
2000	172.5	3.7%
2001	177.6	3.0%
2002	179.8	1.3%
2003	183.4	2.0%
2004	189.0	3.1%
2005	194.3	2.8%
2006	202.4	4.1%
2007	207.4	2.5%
2008	218.2	5.2%
2009	214.8	-1.6%
2010	217.4	1.2%
2011	225.1	3.5%
2012	228.6	1.5%
2013	232.7	1.8%
2014	237.4	2.0%
2015	237.8	0.2%
2016	240.2	1.0%
2017	244.2	1.7%
2018	251.2	2.9%
2019	255.6	1.8%
2020	257.9	0.9%
2021	271.6	5.3%
Average: 2000 - 2021		2.2%
Average: 2005 - 2021		2.1%
Average: 2010 - 2021		2.0%
Average: 2015 - 2021		2.2%
Selected		3.0%

Notes:

- (1) www.bls.gov; CPI for all urban consumers
- (2) = (1) / [(1), Prior]

Agenda Item # 5.A. (Tab H)

Legislative Update – Proviso Language

SECTION 3 - HUMAN SERVICES

The Agency for Health Care Administration shall develop a plan to participate in the Advancing Care for Exceptional Kids Act (Public Law No. 116-16) to provide medical assistance to children with medically complex conditions, who choose to enroll in a health home through a designated provider or team of health care professionals as the child's health home for purposes of providing health home services. The plan must provide recommendations for specific outcome measures and verify that there are no duplication of services currently provided within the Medicaid Program.

The Agency for Health Care Administration, in consultation with the Florida Birth-Related Neurological Injury Compensation Plan established under section 766.303, Florida Statutes, shall prepare a status report regarding Medicaid third-party liability functions and rights under section 409.910, Florida Statutes, as reviewed by the agency in its report dated November 1, 2021. The report must be submitted to the President of the Senate, the Speaker of the House of Representatives, and the Chief Financial Officer on or before November 1, 2023.

The Agency for Health Care Administration is authorized to expend funds from the Grants and Donations Trust Fund and the Medical Care Trust Fund to implement the Low Income Pool component of the Florida Managed Medical Assistance demonstration up to the total computable funds authorized by the federal Centers for Medicare and Medicaid Services. The agency is authorized to submit a budget amendment pursuant to chapter 216, Florida Statutes, requesting spending authority to manage the program. The budget amendment must include the final terms and conditions of the Low Income Pool, a proposed distribution model by entity and a listing of entities contributing intergovernmental transfers to support the state match required. Low Income Pool payments to providers are contingent upon the nonfederal share being provided through intergovernmental transfers in the Grants and Donations Trust Fund. In the event the funds are not available in the Grants and Donations Trust Fund, the State of Florida is not obligated to make payments under this section of proviso. The Agency for Health Care Administration is prohibited from seeking federal approval to amend the Special Terms and Conditions for the Low Income Pool before a 14 day prior notification is provided to the Executive Office of the Governor's Office of Policy and Budget, the chair of the Senate Appropriations Committee and the chair of the House Appropriations Committee. Such notification is subject to the legislative review and objection provisions of section 216.177, Florida Statutes.

The Agency for Health Care Administration is authorized to expend funds from the Grants and Donations Trust Fund and the Medical Care Trust Fund to implement fee-for-service supplemental payments and manage a supplemental payment plan to support access to high quality care provided by doctors of medicine, osteopathy and dentistry as well as other licensed health care practitioners acting under the supervision of those doctors pursuant to existing statutes and written protocols employed by or under contract with a medical or dental school in Florida or a public hospital through a minimum fee schedule calculated as a supplemental per member per month payment, based on the amount allowable under the state plan amendment and historic utilization of services; or to implement fee-for-service supplemental payments and to increase reimbursement for physicians and dentists employed by or under contract with a Florida medical or dental school or a public hospital and practitioners under the supervision of those physicians or dentists to the level provided for these physicians and practitioners pursuant to a minimum fee schedule calculated as a supplemental per member per month payment based on the historic utilization of services by Medicaid eligible children. The agency is authorized to submit a budget amendment pursuant to chapter 216, Florida Statutes, requesting spending authority to manage the program. Payments to providers pursuant to this section of proviso shall not be considered a component of the provider payment calculation specified in section 409.975(6), Florida Statutes, and are contingent upon the nonfederal share being provided through intergovernmental transfers in the Grants and Donations Trust Fund. In the event the funds are not available in the Grants and Donations Trust Fund, the State of Florida is not obligated to make payments under this section of proviso.

The Agency for Health Care Administration is authorized to expend funds from the Grants and Donations Trust Fund and the Medical Care Trust Fund for a certified public expenditure program for Emergency Medical Services. The Agency for Health Care Administration shall seek a state plan amendment/waiver to implement this program pursuant to 42 CFR

Agenda Item # 7.A. (Tab I)

Estimated Net Assets

in millions

	6/30/2021	6/30/2022	SFY change
Assets	1,699	1,345	(354)
Liabilities	1,190	1,376	186
Net Assets	509	(31)	(540)
Asset summary:			
Change in Investments			(303)
Use of cash			(51)
			<u>(354)</u>
Liability summary:			
Medicaid no longer primary			152
One-time family care retroactive payments			17
Other benefit changes			17
			<u>186</u> **
<i>Impacts on Net Assets since 6/30/2022:</i>			
Use of cash - Medicaid settlement			(53)
Use of cash - remaining authority from March 2021 BoD meeting			(18)
Other use of cash (operating)			(11)
Claims reserve - Medicaid rate increase			(100)
Change in investment value thru 5/31/2023			40
			<u>(142)</u>
<i>Estimated current Unreserved Asset value</i>			(173)
<i>% Funded</i>	142.8%	97.7%	88.3%

** Note that reserve was already increased \$125m from 12/31/2020 to 3/31/2021 for SB 1786 changes

Agenda Item # 7.B. (Tab J)

Projected Long Term Net Assets

Long Term Net Assets

Reconciliation of Wilshire Presentation to ED Net Assets @ 6/30/2022

Data for 6/30/2022				
	Investments per p. 12 of Wilshire presentation		1,317,500	
	Loss reserves		1,241,614	
	Loss reserve ratio		106.1%	
	Executive Director Handout			
	Balance Sheet Assets		1,345,000	
	Balance Sheet Liabilities		1,376,000	
			97.7%	
	Differences	Assets	27,500	
		Liabilities	134,386	
		Asset differences:		Liability Differences
	Annuities + other purchased securities not in above	21,000		Add'l 6 months of IBNR 35,000
	Other cash due out	(9,000)		Risk Margin 76,000
	Cash	1,000		Est Family Care Retro 17,000
	Property	3,000		Other Liabilities 6,000
	Year End Accruals	11,500		134,000
		<u>27,500</u>		

What should we use going forward to facilitate timely reporting?

- For assets, recommend Investment balance only
- For reserves, recommend loss reserve only (only report 6 month IBNR and risk margin @ 6/30)
- This would amend prior Net Asset presentation as of 5/31/2023 as follows:
 - Investments \$1.275
 - Loss Reserve estimate \$1.342
 - 6/30/2022 of \$1.242 + \$100m Medicaid rate change
 - Loss reserve ratio 95%

Data used by Wilshire (provided by actuaries)

SUMMARY OF OUTPUT BY FYE:		Actual			Projected (FYE)									
		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Cash Flow (Excludes Retro Payments)														
(3)	Cash Received	43,948	31,675	35,559	36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000
(10)	Total Cash Outlay	(24,140)	(53,933)	(82,342)	(44,412)	(52,782)	(56,243)	(59,858)	(63,747)	(68,053)	(72,551)	(77,172)	(82,065)	(87,100)
(11)	Net Cash Provide by Operating Activities	19,808	(22,258)	(46,783)	(8,412)	(16,782)	(20,243)	(23,858)	(27,747)	(32,053)	(36,551)	(41,172)	(46,065)	(51,100)
(12)	Loss Reserves at Year End			1,241,614	1,382,151	1,473,542	1,569,087	1,668,784	1,774,250	1,884,169	1,999,881	2,120,045	2,246,552	2,377,833
Funding Requirements (Excludes Retro Payments)														
(15)	Reserve Increase				140,537	91,391	95,545	99,697	105,466	109,919	115,712	120,164	126,507	131,281
(16)	Cash Outlay				44,412	52,782	56,243	59,858	63,747	68,053	72,551	77,172	82,065	87,100
(17)	Funding Requirement				184,949	144,173	151,788	159,555	169,213	177,972	188,263	197,336	208,572	218,381
(18)	- Funded by Assessments				(36,000)	(36,000)	(36,000)	(36,000)	(36,000)	(36,000)	(36,000)	(36,000)	(36,000)	(36,000)
(19)	Remaining to be Funded				148,949	108,173	115,788	123,555	133,213	141,972	152,263	161,336	172,572	182,381

How do we define “trouble”?

- Example – investment balance
 - Current Investment balance (use as proxy for 6/30/2023) \$1.275b
 - Net use of cash for 5 year (7/1/2023-6/30/2028) per actuary (see prior slide) \$.12b
 - Average investment balance \$1.215b
 - Earnings @ 5% per year for 5 years \$.304b
 - Investment balance as of 6/30/2028 = \$1.458b
- Example with same data – Loss Reserve Ratio at 6/30/2028
 - Investment balance \$1.458b
 - Loss reserve (per prior slide) \$1.884b
 - Loss reserve ratio 77.4%

Agenda Item # 7.C. (Tab K)

Threshold Calculation

Threshold Calculation

Required by Florida Statute

- (9)(a) Within 60 days after a claim is filed, the association shall estimate the present value of the total cost of the claim, including the estimated amount to be paid to the claimant, the claimant's attorney, the attorney's fees of the association incident to the claim, and any other expenses that are reasonably anticipated to be incurred by the association in connection with the adjudication and payment of the claim. For purposes of this estimate, the association should include the maximum benefits for noneconomic damages.
- (b) The association shall revise these estimates quarterly based upon the actual costs incurred and any additional information that becomes available to the association since the last review of this estimate. The estimate shall be reduced by any amounts paid by the association that were included in the current estimate.
- (c) If the total of all current estimates equals 80 percent of the funds on hand and the funds that will become available to the association within the next 12 months from all sources described in subsections (4) and (5) and paragraph (7)(a), the association may not accept any new claims without express authority from the Legislature. Nothing in this section precludes the association from accepting any claim if the injury occurred 18 months or more before the effective date of this suspension. Within 30 days after the effective date of this suspension, the association shall notify the Governor, the Speaker of the House of Representatives, the President of the Senate, the Office of Insurance Regulation, the Agency for Health Care Administration, and the Department of Health of this suspension.

AND

- (c) The award of family residential or custodial care as defined in this section shall not be included in the current estimates for purposes of s. [766.314\(9\)\(c\)](#).

FLORIDA BIRTH RELATED NEUROLOGICAL INJURY COMPENSATION ASSOCIATION

Exhibit I
Sheet 1

CALCULATION OF THRESHOLD FOR SUSPENSION OF CLAIMS
(Section 766.314(9), Florida Statutes)

CALCULATION OF THRESHOLD FOR SUSPENSION OF CLAIMS

		As of 9 30 21 (a)	As of 12 31 21 (b)	As of 3 31 22 (b)	As of 6 30 22 (b)	As of 9 30 22 (b)
		(2)	(3)	(4)	(5)	(6)
I.	1 Funds on hand	1,664,383,766	1,717,315,924	1,561,811,183	1,333,774,037	1,232,399,501
	2 Funds available within 12 months (Exhibit I, Part A)	161,238,567	164,943,181	161,400,910	149,999,053	148,013,581
	3 Total	1,825,622,333	1,882,259,105	1,723,212,094	1,483,773,090	1,380,413,082
II.	Threshold for suspension (80% of line I.3.)	1,460,497,866	1,505,807,284	1,378,569,675	1,187,018,472	1,104,330,465
III.	1 Present Value Loss+LAE Reserve on Filed Claims (b)	1,129,498,318	1,011,833,465	1,002,768,349	1,004,877,789	1,090,885,007
	2 Amount of claims that can be accepted (II. - III.1.)	330,999,549	493,973,819	375,801,326	182,140,683	13,445,458

Notes: (a) See latest annual NICA threshold calculation summary evaluated as of September 30, 2021.

(b) See Exhibit II for Item I.1, Exhibit I, Sheet 2 for Item I.2 and Exhibit III, Sheets 1a, 1b, 1c, and 1d for Item III.1.

Description

As of
9 30 21

(2)

A. FUNDS AVAILABLE WITHIN THE NEXT 12 MONTHS

1	Assessments from health care providers. (Fiscal year Ending 6/30/2021 and 2022 from NICA)	31,799,087	FY 6/21
2	Assessments against Insurance companies (From C.3) (a)	25,688,344	
3	Transfer from the Florida Office of Insurance Regulation	20,000,000	
4	Reinsurance recovery - actual anticipated recoveries within 12 Months	-	
5	Income on Invested funds (A.1 + A.4 + B.2) x B.5.d	83,751,136	
6	Total	161,238,567	

Outstanding Loss & LAE Reserves - After Inflation and Discount
Before and After Adjustment for the Exclusion of Unreported Claims and
Family Care Claims as Defined for use in the Threshold Calculation

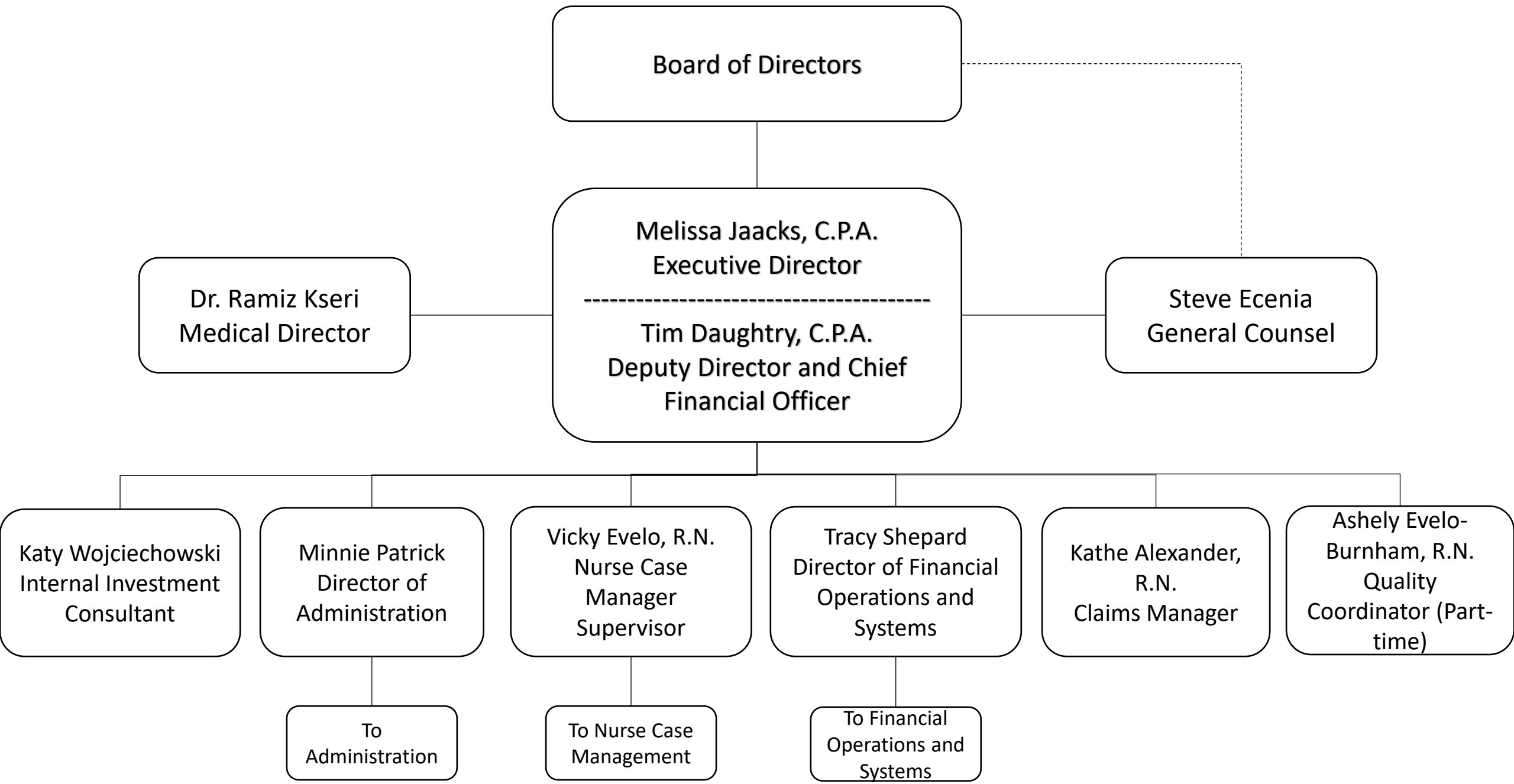
Year of Birth	Outstanding Loss & LAE as Shown in 9/30/22 Report Incl. F.C. & Unreported Claims (a)	Outstanding Loss & LAE as Shown in 9/30/22 Report Incl. F.C. But Excluding Unreported Claims (a)	Reported Family Care (b) Outstanding Loss & ALAE	Outstanding Loss & LAE After Removal of Unreported Claims and F.C. Reported as of 9/30/22 (3) - (4)
(1)	(2)	(3)	(4)	(5)
1989	13,000,278	13,000,278		13,000,278
1990	12,973,438	12,973,438		12,973,438
1991	18,213,983	18,213,983		18,213,983
1992	43,222,793	43,222,793		43,222,793
1993	32,152,160	32,152,160		32,152,160
1994	15,283,160	15,283,160		15,283,160
1995	26,005,578	26,005,578		26,005,578
1996	27,191,495	27,191,495		27,191,495
1997	41,131,871	41,131,871		41,131,871
1998	54,252,663	54,252,663		54,252,663
1999	13,309,422	13,309,422		13,309,422
2000	14,812,309	14,812,309		14,812,309
2001	18,729,136	18,729,136		18,729,136
2002	57,370,121	57,370,121	4,133,893	53,236,228
2003	15,894,559	15,894,559	1,584,979	14,309,580
2004	26,542,691	26,542,691	2,005,627	24,537,064
2005	32,735,273	32,735,273	4,057,352	28,677,920
2006	47,375,526	47,375,526	6,111,965	41,263,561
2007	31,052,155	31,052,155	2,056,282	28,995,873
2008	48,820,991	48,820,991	4,886,109	43,934,883
2009	50,268,354	50,268,354	7,920,147	42,348,207
2010	29,482,514	29,482,514	1,208,924	28,273,590
2011	52,944,564	52,944,564	9,474,393	43,470,171
2012	39,900,220	39,900,220	4,466,373	35,433,846
2013	31,013,336	31,013,336	3,879,764	27,133,572
2014	40,607,578	40,607,578	5,245,426	35,362,152
2015	70,492,624	70,492,624	12,035,242	58,457,381
2016	36,753,946	36,753,946	4,620,473	32,133,473
2017	66,925,245	61,777,149	7,740,264	54,036,885
2018	91,425,983	86,047,984	13,193,438	72,854,546
2019	61,820,461	51,517,051	9,071,557	42,445,494
2020	63,393,256	42,262,171	4,768,813	37,493,358
2021	59,571,948	10,831,263	-	10,831,263
2022 - 9 mo	56,465,583	5,377,675	-	5,377,675
Totals:	1,341,135,214	1,199,346,030	108,461,023	1,090,885,007

Simplified Threshold Calculation with 6/30/2028 Estimates

- Funds on Hand \$1.458b
- Add estimated Funds Available within 12 months \$.15b
- Total \$1.608
- Threshold for Suspension @ 80% = \$1.286b
- Loss reserve of \$1.884b less IBNR of \$.190b and less family care of \$.156b equals \$1.537b
- Threshold for suspension is EXCEEDED by \$251m

Agenda Item # 8.A. (Tab L)

Long Term Staffing Plan



Administration

Barbara Brown, Provider Relations
Coordinator

Emma Cobb, Office Support

Freda Ross, Office Support

Annabelle Vaughn, Administrative
Assistant

Nurse Case Management

Linette Ayala, R.N., Nurse Case Manager

Kim Campo, R.N., Nurse Case Manager
(part-time)

Amy Etter, R.N., Nurse Case Manager

Mary Ashley Garcia, R.N., Nurse Case
Manager

Kathy Glombowski, R.N., Nurse Case
Manager

Emmaly Karl, R.N., Nurse Case Manager

Kathy Lennie, R.N., Nurse Case Manager

Kasmika Shaw, R.N., Nurse Case Manager

Cathy Siciak, R.N., Nurse Case Manager

Financial Operations and Systems

Pilar Delp, Transportation Coordinator

Vacant, Insurance Administrator

Sarah Kerwin, Regulatory Analyst (part-
time)

IT Support (outsourced)

Elizabeth Raab, Insurance Administrator

Caseload Data

- Current families – 240
- Average caseload for 8.5 positions = 28
- Desired caseload for Medicaid transition = 25
 - 9.5 case managers needed
 - Immediate need for 1 additional case manager
- Expected caseload growth per actuary
 - 12.33 for CY 2024
 - .9% annual increase in growth rate
 - 128 for 2024 through 2033 (10 year growth)
 - 5 new case managers

Timing of Nursing Staff Hires

- 1 case manager needed immediately, brings total to 10 (9.5 positions)
 - This gets caseload down to an average of 25 to prepare for Medicaid transition
- 1 case manager needed in next several months to begin assuming new cases as they come in, but space may limit us (best case 1/1/2024)
- As each new case manager caseload reaches 20, we would hire the next case manager to allow training / overlap
- At rate of approximately 1 new family per month, we would add new case manager every 2 years: January 2025 / 2027 / 2029 / 2031
- Total case managers will be 15 (14.5 positions)

Other Nursing Staff

- Nursing:
 - Best practice is to have no more than 6-7 direct reports
 - Need to add 1 Lead Case Manager as soon as space available because current Case Manager Supervisor has 9 direct reports – likely will do when new space available (4/1/2024)
 - 2nd Lead Case Manager would ideally be hired as we reach 12 case managers but needs / function will likely change as we work through growth and Medicaid transition (e.g. specialize in coordination of therapies, or interacting with providers)

Other Support Staff

- Administration – may need 1 additional position, however, this is dependent upon change in assessment collection process (Department of Health changes may reduce workload)
 - Will also be moving some processing functions currently completed by nurse case managers to administrative staff (some of this has already been completed)
- Financial Operations and Systems – will certainly need 1 additional position for claims processing related to Medicaid transition (maybe 4/1/2024), possibly 1 more for claims adjudication process with AHCA (depending on how we transition)

Current BoD Approved Budget

	Total Annual Budget
Expenses	
Accounting	\$ 86,000.00
Bank charges	4,100.00
Printing services	46,025.00
Dues and subscriptions	4,470.00
Repairs and Maintenance	135,000.00
Insurance	372,000.00
General Legal -Atty Fees	661,000.00
General Legal-Expenses	51,800.00
Office supplies	8,850.00
Payroll taxes	94,000.00
Postage	71,000.00
Other professional fees	993,000.00
Rent	115,359.00
Pension Expense	151,000.00
Salaries	1,227,000.00
Taxes and licenses	1,604.00
Telephone	21,700.00
Employee Training	3,000.00
Travel	13,700.00
Outreach	12,950.00
Utilities	14,500.00
Miscellaneous expense	800.00
Total G & A Expenses	4,088,858.00

Current Staff Budget

- Current budget
 - Salaries - \$1,227,000
 - Payroll Taxes - \$94,000
 - Pension - \$151,000
 - Employee Health Insurance (rolled into Insurance) - \$303,853
 - Total Staff Cost \$1,775,853 (43% of all administrative costs) / \$148k per month
- Current “burn” rate - \$155,200 per month, \$1.862m annually, \$86k more than annual budget
- No budget increase needed as several other areas under budget

Impact of Staffing Changes on SFY 2023/2024 Budget

- Positions to be added:
 - New case manager immediate hire assume 8/1/2024 @ \$7,000 / mo
 - New case manager assume 1/1/2024 @ \$7,000 / mo
 - Lead case manager 4/1/2024 @ \$8,100 / mo
 - Additional Financial Operations Staff 4/1/2024 @ \$5,500 / mo
- Impact on SFY 2023/2024 budget \$159,800
 - Budget amendment likely not needed – we are looking at other cost savings
- Annualized impact \$331,200
 - Will impact SFY 2024/2025 budget

Agenda Item # 8.B. (Tab M)

Office Space

Space Planning

Current Status

- Current staff who need offices
 - 26
- # of offices at current location
 - 17 (2 staff in reception area, 1 employee works remote, 1 part-time and has no office, 1 position vacant, 4 nurses share offices)
- Current sq ft = 6,570 + 1,642 in basement storage area
 - Extremely poorly configured
- Current rent is \$9,877 per month / \$118,524 annually
 - Translates to \$16.97 per sq ft for office and \$4.26 per sq ft for storage
- Lease term 6/21/2021 – 6/30/2024

Planning considerations for new space

- Stay in same general area
- Minimize disruption of moving since team just moved 2 years ago
- Allow for all nurses to have private offices due to nature of work
- Entire team on same floor
- Ample parking
- Longer term lease that accommodates future growth – ideally 10 years

Position	Exec	Large	Std	Small	Smaller
Executive Director		1			
Deputy Director			1		
Director of Administration				1	
Nurse Case Manager Supervisor				1	
Director of Financial Operations and Systems				1	
Claims Manager				1	
Quality Coordinator					
Nurse Case Managers - current					9
Nurse Case Manager - immediate need					1
Nurse Case Manager - near term need					1
Nurse Case Manager - 10 year need					4
Nurse CM Team Lead - near term				1	
Nurse CM Team Lead - next 12-18 months				1	
Administration - current					4
Administration - potential growth					1
Financial Operations - current					5
Financial Operations - potential growth					2
Guest office					1
	0	1	1	6	28
Other rooms	Board / Training / Meeting Room				
	Large equipment room				
	Break room				
	Small reception				
	Large Mail Room				
	Small IT Room				
	Large storage room x 2				

Calculation of space need

- Used calculator recommended by realtor at www.rakowgroup.com and using 10-year growth information on prior slide, determined need is 8,247 sq ft

Process so far

Met with commercial realtor who provided sub-market reports for the following:

- Midtown to I-10
 - 5.2% vacancy rate
 - Average rent \$19.60 / sq ft
 - 1 & 2 star \$17.75
 - 3 star \$20.32
 - 4 & 5 star \$28.72
- North of I-10
 - 7.6% vacancy rate
 - Average rent \$22 / sq ft
 - 1 & 2 star \$20.51
 - 3 star \$22.09
 - 4 & 5 star \$25.48

Process so far, cont'd

- Realtor provided several options that were viable:
 - 8,275 sq ft @ \$24 per sq ft
 - Extremely poor configuration that would need complete renovation
 - 10,000 sq ft @ \$18.50 per sq ft
 - Former call center partially built out but lots of open area, custom build out would be fairly simple, everyone would be on one floor
 - 10,000 sq ft @ \$19 per sq ft
 - Extremely poor configuration that would need complete renovation
 - 6,650 sq ft @ \$21.50
 - Upstairs floor at current office, very nice configuration but would require staff to be on 2 different floors
 - Same maintenance staff as current office and we have had some issues
 - Available almost immediately, best guess 10/1/2023 move in

Options

- Take upstairs space
 - Added rent would be \$142,975 for total of \$261,499 when added to current rent (before adding annual increases)
- Take 10,000 sq ft space and have custom build out
 - Realtor estimates that build out costs would be \$70 per sq ft maximum for entire space (though there are already 5 offices, a break room and a server room), but assume max build out is \$700,000
 - Amortized over 10 years, this would add \$70,000 annually to rent
 - Total annual rent would be 10,000 times \$18.50, or \$185,000 plus \$70,000 = \$255,000, or \$25.50 per sq ft
 - This would put rate at high end of market but we would likely be able to negotiate minimal annual increases so would end up lower than market
 - Would take 6-7 months so move in would be March 1, 2024, realistically

Budget Impact

- Assuming we could move as early as March 1, 2024:
 - Option 1 impact to SFY 2023-2024 budget would be 9 months rent or \$107,231
 - Option 2 impact to SFY 2023-2024 budget would be 4 months rent or \$85,000
- Amendment to SFY 2023-2024 budget MAY be required but we continue to look for cost savings in other places. SFY 2024-2025 budget would be impacted as noted on prior slide

Office Space Comparison Chart

- Option 1:** Existing location with expansion.
- Option 2:** New location with build out.
- Current:** Existing location unimproved.

	Option 1	Option 2	Current*
Annual Price Psf	\$ 21.50	\$ 25.50	\$ 14.43
Monthly Rent	\$ 21,791	\$ 21,250	\$ 9,877
Layout	Two floors	One Floor	One Floor
Total Sf	12,162	10,000	8,212
Office Count	28	30	17
Concerns	Fragmented	Build Time/Cost	Insufficient
Benefit	Same Location	Best for Growth	None

* Square footage of current location includes 1,642 sf in basement storage area