





2022 Investor Day



- Welcome to NMI Holdings, Inc. 2022 Investor Day
- Today's presentation is being delivered in person in New York City and simulcast on the web at <u>https://nmiholdingsinvestorday.gcs-web.com/</u>
- For those joining remotely, presentation materials have been made available online alongside the webcast and on our website at <u>https://ir.nationalmi.com/events-and-presentations</u>
- We will host a Q&A session following today's formal presentations and our webcast audience will have an opportunity to submit questions through the Q&A window on the webcast page
- A replay of today's meeting will be available on our website at <u>https://ir.nationalmi.com/events-and-presentations</u>



During the course of this 2022 Investor Day discussion, we may make comments about our expectations for the future. Actual results could differ materially from those contained in these forward-looking statements.

Additional information about the factors that could cause actual results or trends to differ materially from those discussed today can be found on page 90 of this presentation and on our website, or through our filings with the SEC, which are also on our website.

If, and to the extent, we make forward-looking statements, we do not undertake any obligation to update those statements in the future in light of subsequent developments. Further, no interested party should rely on the fact that the guidance of such statements is current at any time other than the time of this presentation.

Also note that we will refer to certain non-GAAP measures and provide a reconciliation to the most comparable measures under GAAP on pages 88 and 89 of this presentation, and on the investor relations section of our website.





Chairman's Message	Brad Shuster	Executive Chairman & Chairman of the Board
Strategic Outlook	Adam Pollitzer	<i>President & Chief Executive Officer</i>
Customer Development	Norm Fitzgerald	Chief Sales Officer
Risk Management	Rob Smith	Chief Risk Officer
Financial Review	Ravi Mallela	Chief Financial Officer

Questions & Answers



Chairman's Message

Brad Shuster Executive Chairman and Chairman of the Board

Executive Management



Highly experienced senior management team supported by a deep bench of talent



Bradley Shuster Executive Chairman, Chairman of the Board



Adam Pollitzer President and Chief Executive Officer



Ravi Mallela Chief Financial Officer



Norm Fitzgerald Chief Sales Officer



William Leatherberry General Counsel



Robert Smith Chief Risk Officer



Mohammad Yousaf EVP Operations and Information Technology



Allison Miller Chief Human Resources Officer





 Ten-year track record of success provides strong foundation

 ✓ Well-positioned to perform in evolving risk environment

 Poised to deliver long-term growth and value

National Mi.

Securing performance across all market cycles and building significant value for shareholders

Founding Principles

HOLDINGS, INC. INVESTOR DAY 2022

- Help qualified borrowers achieve the
 Dream of Home Ownership
- Be a Credible and Durable Counterparty for our customers and policyholders
- Deliver a Great Customer Experience through people and technology
- Manage Risk to ensure strong performance across all market cycles
- Create a Winning Culture that allows us to attract and retain the very best talent
- Generate sustainable Strong Mid-Teens Returns for our shareholders





> Performance-driven culture

- Winning with customers
- Building high-quality portfolio
- Strong financial results



2021



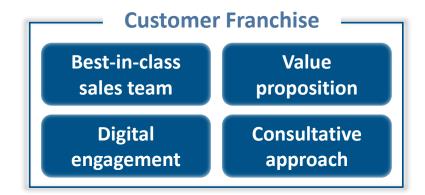


> Performance-driven culture

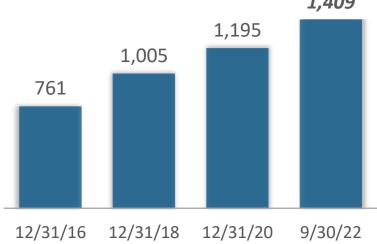
> Winning with customers

Building high-quality portfolio

Strong financial results



— Active Customer Relationships —



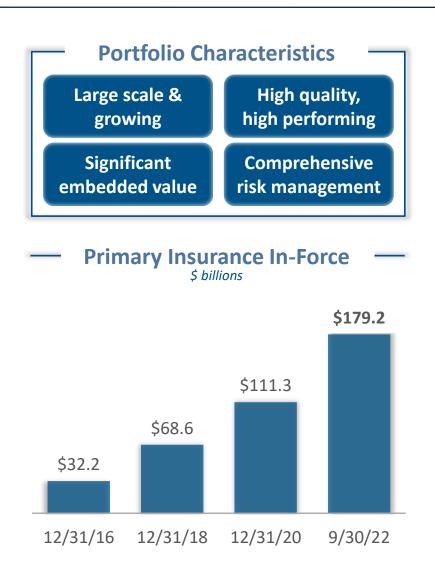


Performance-driven culture

Winning with customers

> High-quality portfolio

Strong financial results



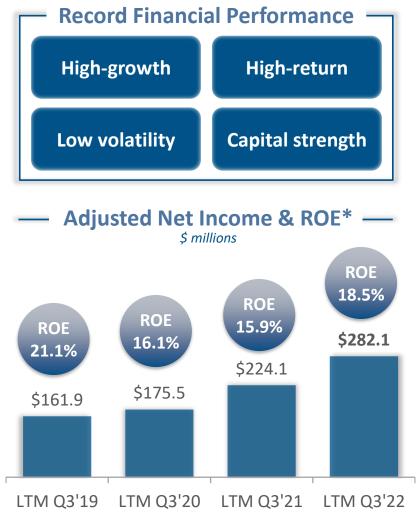


Performance-driven culture

Winning with customers

Building high-quality portfolio

Strong financial results



* Adjusted net income and adjusted return on equity are non-GAAP measures. For a reconciliation to the most comparable GAAP measures, refer to the Appendix, or the investor relations section of the company's website at <u>www.nationalmi.com</u>

Navigating Through an Evolving Macro Environment





Mortgage Insurance Industry Better Positioned For Potential Stress



		2008
	Current	Financial Crisis
Rigorous underwriting standards	\checkmark	X
Strong borrower credit profiles	\checkmark	X
Loan purpose and product design	\checkmark	X
Record-low fixed-rate mortgages / manageable debt service	\checkmark	X
Significant embedded home equity	\checkmark	X
Dynamic risk-based pricing and granular policy selection	\checkmark	X
Broad reinsurance utilization	\checkmark	X
Strict regulatory guardrails / engagement	\checkmark	X

MI industry and housing market backdrop materially better than in the 2008 Financial Crisis

Built to Perform Across All Market Cycles







Proactive and Decisive Action with Emergence of Increased Macro Risk

Delivering Long-Term Growth and Value





Poised for Continued Success



Ten-year track record of success



Past success provides foundation for future performance

Well-positioned to perform through stress

Disciplined approach secures performance across all market cycles

Opportunity to deliver long-term growth and value Delivering returns, book value growth and shareholder value

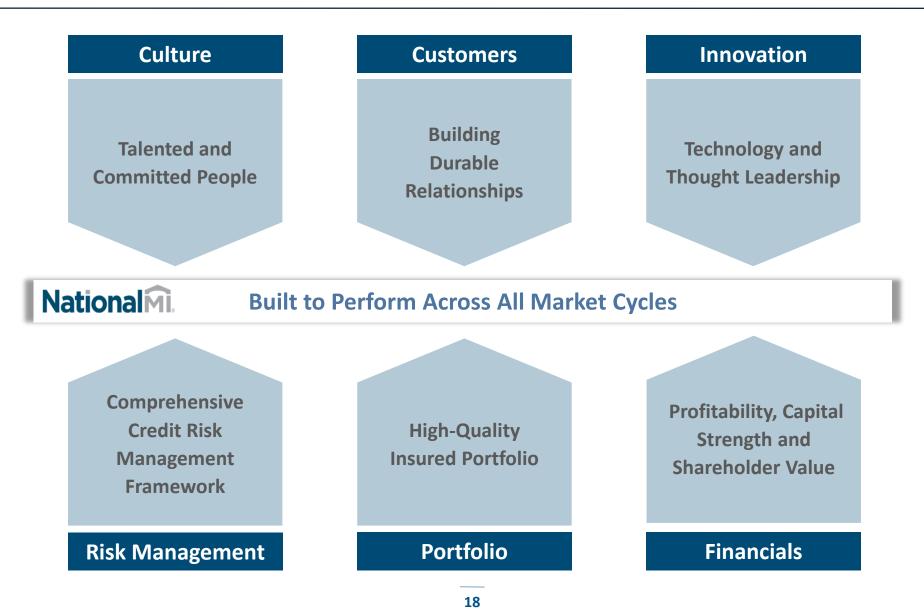


Strategic Outlook: Navigating Near-Term Trends and Maximizing Long-Term Value

Adam Pollitzer *President & Chief Executive Officer*

National MI: Ten Years of Success and Strength





Focus on Corporate Culture



Lead with <u>Mission</u>, <u>Values and Purpose</u>

- > 246 engaged, motivated employees
- Corporate culture a key differentiator





Commitment to Sustainability



Environmental

- Corporate HQ LEED Gold Certified
- 😤 Minimal carbon footprint
 - Financial services business
 - Distributed workforce
 - 100% green energy data center
- Sustainable operational practices

Social

- Serve social purpose providing pathways to homeownership
- Supported >1.5 million borrowers (to date)
- Community presence and commitment to giving back
- Focus on diversity, equity and inclusion

Governance

Board of Directors

- Lead Independent Director
- 7 of 9 are independent
- 4 of 9 identify as women, minority or LGBTQ+
- Formal Board oversight of ESG matters
- Robust compliance and data privacy framework

Human capital management

- Aim to hire, train and retain the very best talent
- Invest to support their professional growth and personal well-being
- Commitment to diversity



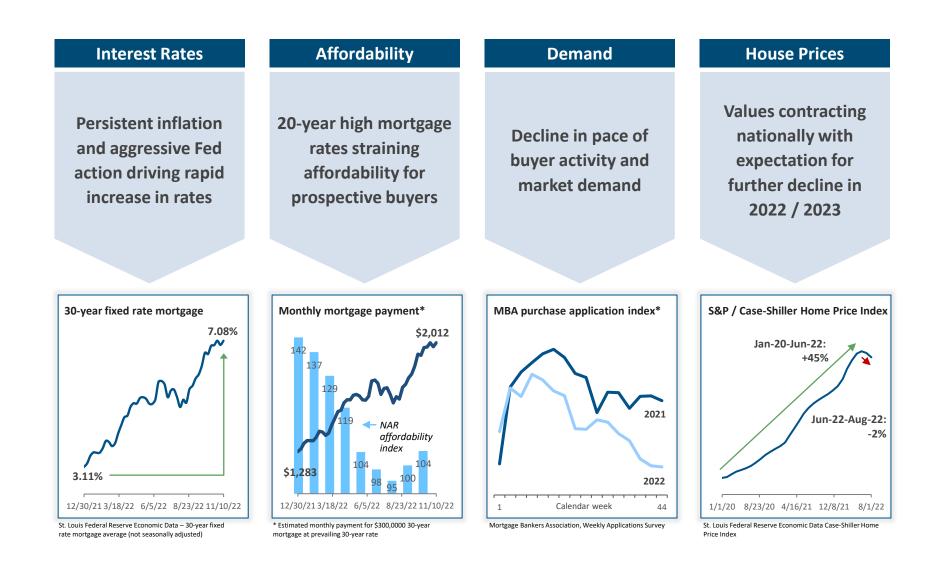
Recognized for seven years straight



20

Near-term: Developing Macro Backdrop





Well-Positioned to Perform through Stress



Talented and dedicated team of employees

Trusted partnership with our lender customers

Prioritized discipline and risk-responsibility, and built exceptionally high-quality portfolio

Led with innovation in risk transfer markets, securing comprehensive reinsurance protection

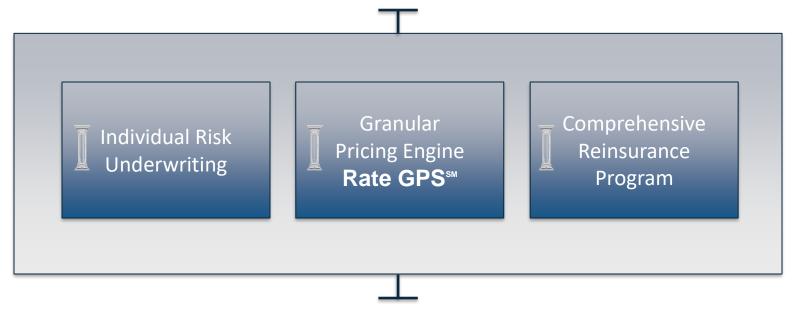
Built robust balance sheet – PMIERs position, liquidity profile and earnings power

Proactive response to emerging risk environment

Comprehensive Credit Risk Management Framework



National MI has an <u>industry-leading credit risk management</u> approach, built on <u>three-foundational pillars</u>...



...and has delivered <u>best-in-class credit performance</u> since its formation

High-Quality Insured Portfolio



Credit Risk Standards & Rigorous Underwriting Process

- > High-quality by FICO, LTV and DTI
- > Minimal layered risk concentration
- > 100% fully documented loan files
- > No aggressive product types
- Geographic diversification
- > Individual underwriting / validation
- > Risk-based pricing Rate GPS
- > No pre-financial crisis exposure

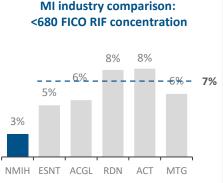
¹ Represents 95.01% and above, as reported by NMIH and peers

Note: Industry RIF data as of 9/30/22 as disclosed in SEC filings and/or quarterly financial supplements

High-Quality In-Force Portfolio - \$46.3bn RIF

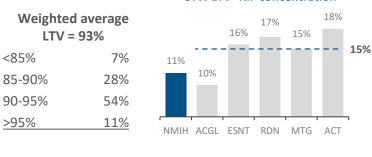
Primary RIF by FICO





Primary RIF by LTV

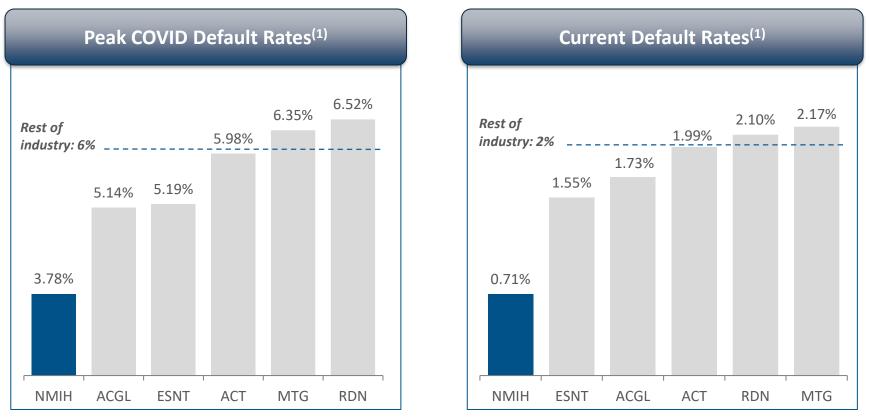
MI industry comparison: 97% LTV¹ RIF concentration



Portfolio Quality Drives Credit Performance



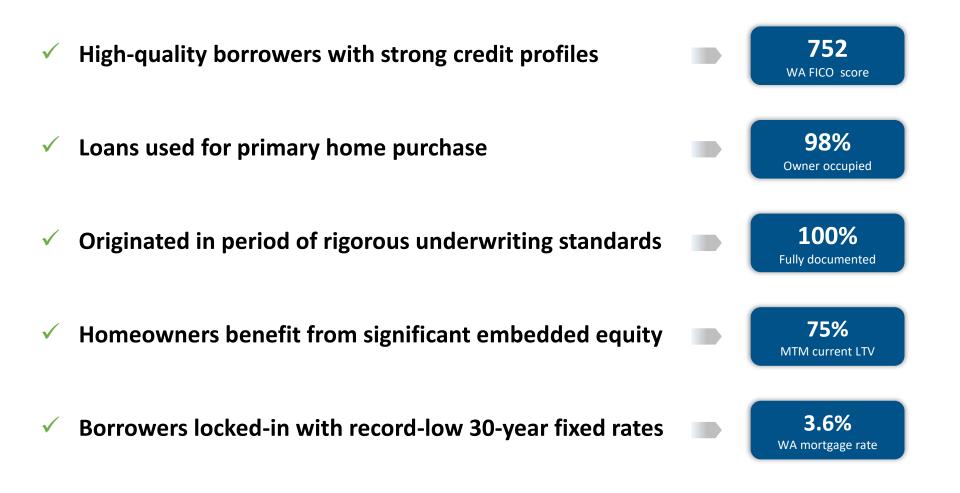
Commitment to Credit Discipline Across All Market Cycles



(1) Default rates as reported by each individual company in SEC filings, earnings releases, financial supplements or press releases. Periods in which peak default rates occurred may not align and underlying definitions and calculations of default rate may not be uniform across companies

Existing Borrowers Well-Situated to Perform Through Potential Stress

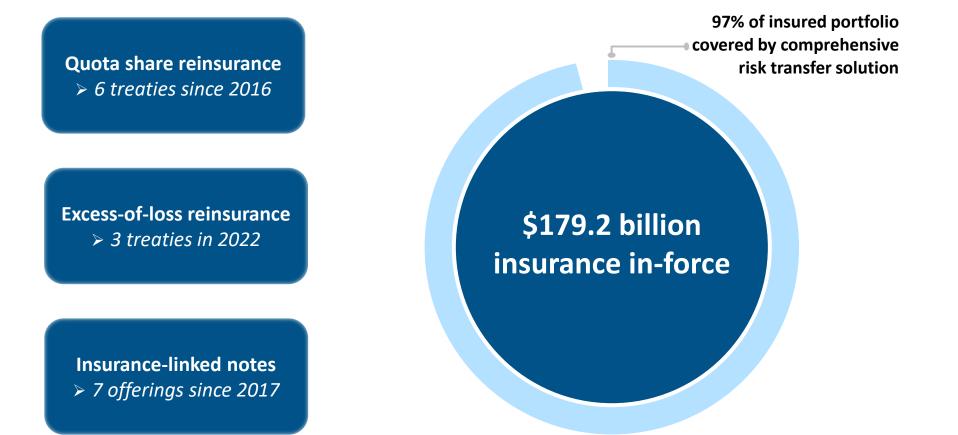




Note: Mark-to-market LTV estimated based on observed MSA level house price trends

Comprehensive Reinsurance Coverage

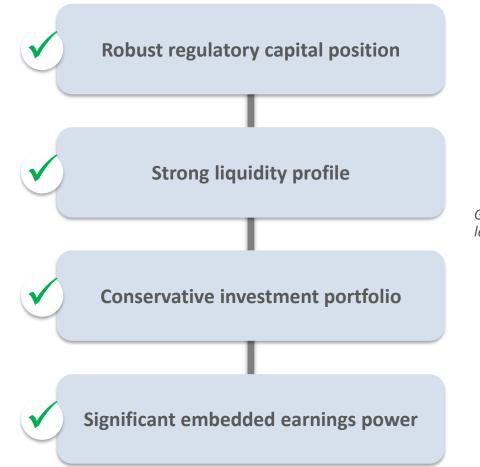


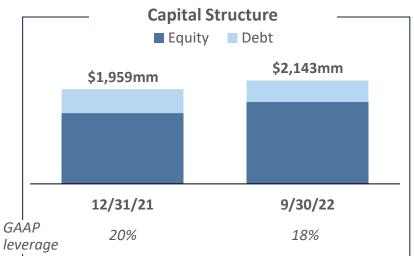


Leading with innovation in risk-transfer markets and securing comprehensive reinsurance coverage for nearly all of our insured our portfolio

Strong Balance Sheet







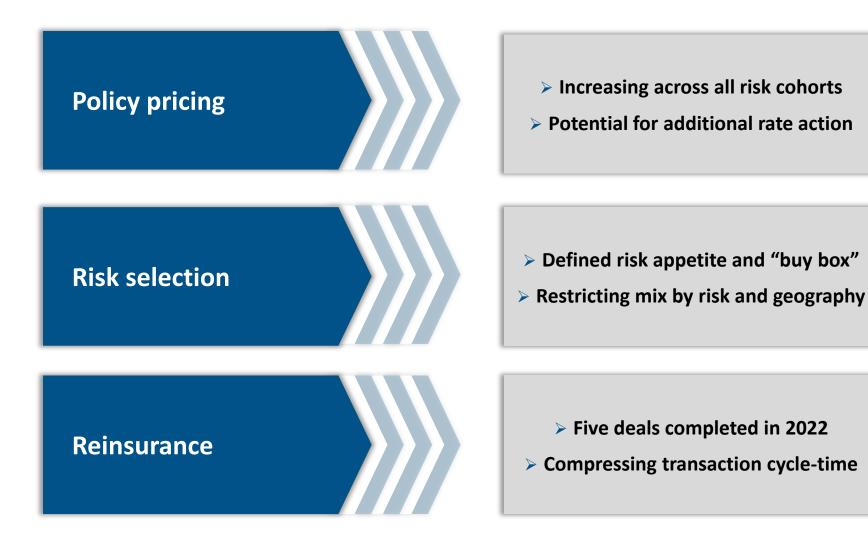
Note: Shareholders' equity presented excluding AOCI

\$ millions	12/31/21	9/30/22 ¹
Available assets	\$2,041	\$2,275
Required assets	\$1,186	\$1,078
PMIERs excess	\$855	\$1,197
PMIERs sufficiency	172%	211%

¹ Presented pro forma for XOL 3.0

Swift Response to Emerging Risk Environment

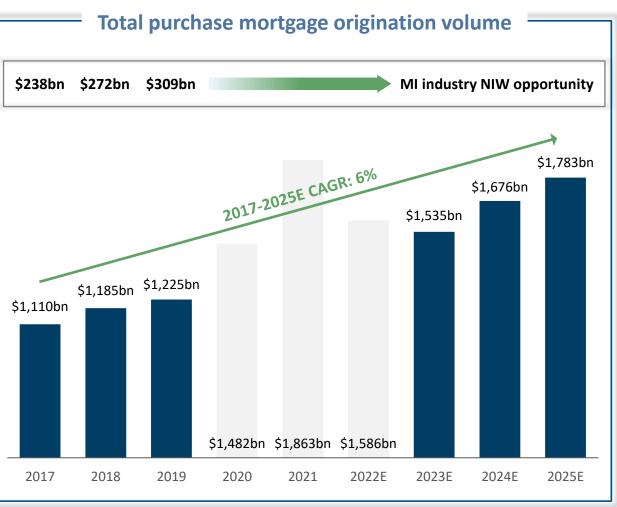




Long-Term: Significant Private MI Industry Opportunity



- Macro environment will stabilize
- Housing market will expand
- Population will grow and demographics matter
- Mortgage origination volume will rebound
- Borrowers will need MI support
- NIW opportunity will be significant
- Persistency provides embedded value support



Source: Mortgage Bankers Association

Building for Our Next Ten Years of Success



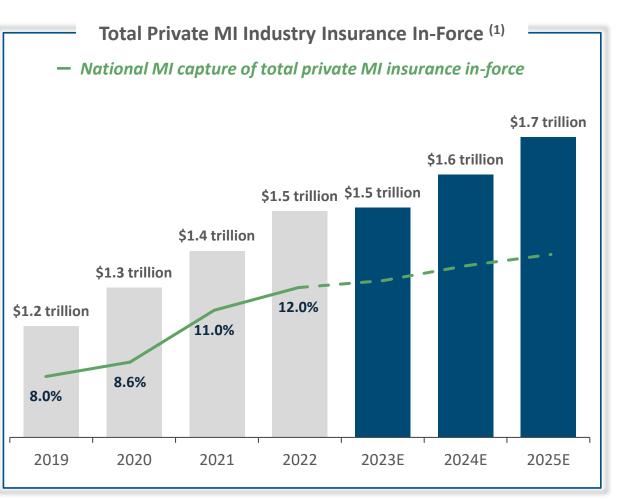


Driving High-Quality Insured Portfolio Growth



- Sizeable long-term private mortgage insurance NIW opportunity and increasing persistency driving growth in industry insurance in-force
- Franchise execution people, customer, IT, operations and risk
- NMI well-positioned for increased capture of total industry insurance in-force

Building high-quality IIF drives long-term growth and value

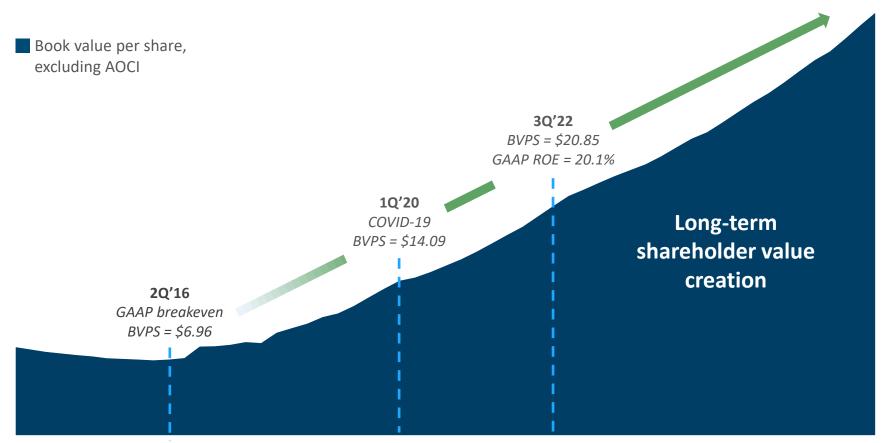


(1) Forecasted private mortgage insurance industry insurance in-force based on anticipated NIW, and observed and projected persistency rates. National MI capture of total private MI insurance in-force in future periods presented for illustrative purposes only, not as a forecast.

Poised to Deliver Long-Term Growth and Value



Driving long-term shareholder value: Delivering strong returns and compounding book value on accelerated basis



Not a forecast. For illustrative purposes only.

* Book value per share presented excluding the impact of accumulated other comprehensive income

National MI: A Premium Franchise



Winning with			Three-yea	ar CAGR/average	<u>Five-year CA</u>	A <u>GR/average</u>
customers			NMI	Industry	NMI	Industry
Technology leadership	\checkmark	Insurance in-force	25.9%	8.3%	32.9%	10.4%
Insured portfolio quality and credit	\checkmark	Net premium revenue	13.8%	0.6%	25.9%	5.3%
performance Comprehensive	\checkmark	GAAP net income	20.3%	10.5%	57.1%	25.0%
isk management framework	\checkmark	Return on equity	17.1%	14.9%	17.7%	16.5%
Operating efficiency	\checkmark	BVPS (ex. AOCI)	18.4%	13.7%	19.6%	16.1%
Balance sheet strength	\checkmark	Loss ratio	5.3%	7.2%	4.6%	7.0%

Note: Three and five-year periods as measured through 9/30/22. Loss ratio presented on cumulative basis over respective three and five-year periods

Well-Positioned to Outperform



Strong foundation	Ten-year track record of success
Differentiated approach	Sales, IT and risk management leadership
Borrower need & market opportunity	Supporting sustainable homeownership
Financial performance	Profitability, capital strength and shareholder value



Sales and Customer Development

Norm Fitzgerald Chief Sales Officer



Best-in-class sales team driving significant success

Large, diversified customer franchise

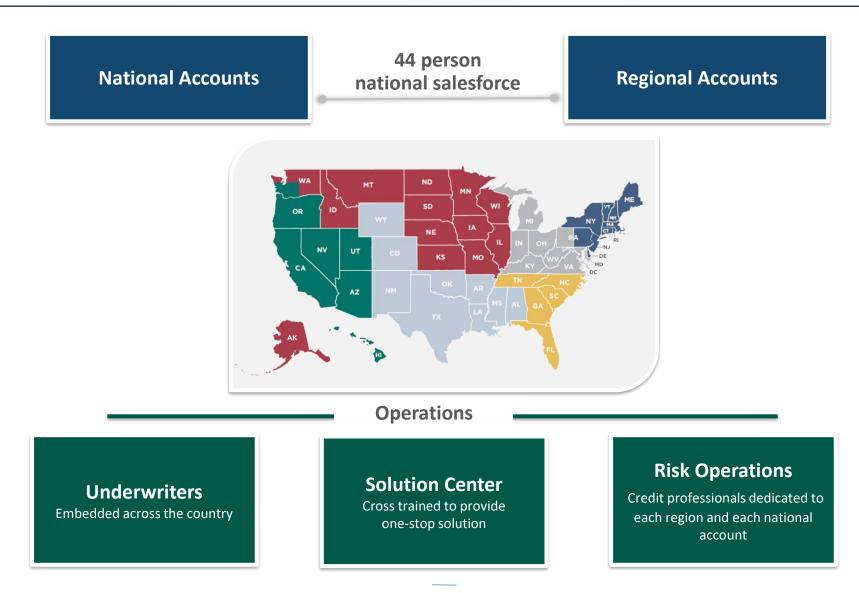
Strategy and tactics focused on converting sizeable opportunity

Driving digital customer engagement and salesforce efficiency

> IT and operations platform leadership enhancing customer success

Best-in-Class Sales Team and National Platform





Winning with Customers

Significant Account Growth



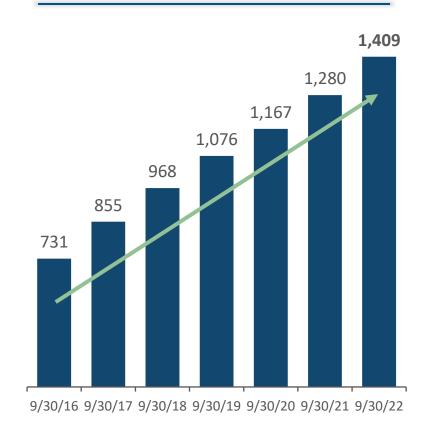
Strong customer engagement and activation pipeline

> +1,400 active customer relationships

> Represent +90% of total MI industry NIW

- 678 new account activations since 9/30/16
 represents ~\$100bn of NIW opportunity
- > Track record of growing wallet share within accounts steadily over time
- Large opportunity remains to both grow wallet share and activate new accounts

Active customer development



Why We Win People, Platform and Value Proposition



Best-in-Class Sales Team

- > Highly experienced front-line team
- > Fully embracing digital opportunity

Customer Value Proposition

- > Certainty and service as a core
- Education, events and access

Digital Engagement

- Leading with Rate GPS
- > Amplifying the voice of our sales team
- > Accelerating our ability to scale relationships

Consultative Approach

- > Value-added lender feedback loop
- Digital roadmap alignment



Strategic Focus on Account Growth





- Top 600 lenders in the country represent >90% of MI industry NIW opportunity
- Significant penetration and active relationships with many leading lenders
- Sizeable opportunity remaining to continue adding new accounts and building wallet share with existing lenders



Leadership in Digital Mortgage Ecosystem

- Customers and borrowers becoming more digital
- Technology disrupts customer "habit" and legacy relationships
- Digital engagement opens doors and enhances platform connectivity
- Technology driving efficiency and flexibility for NMI and our customers
- Through technology leadership, NMI can target and serve a broader opportunity set

- Technology leadership shortens cycle from Master Policy to NIW
- Broad connectivity with third-party loan origination systems
- Leading with Rate GPS

Electronic Customer Engagement

Seamless

NMI

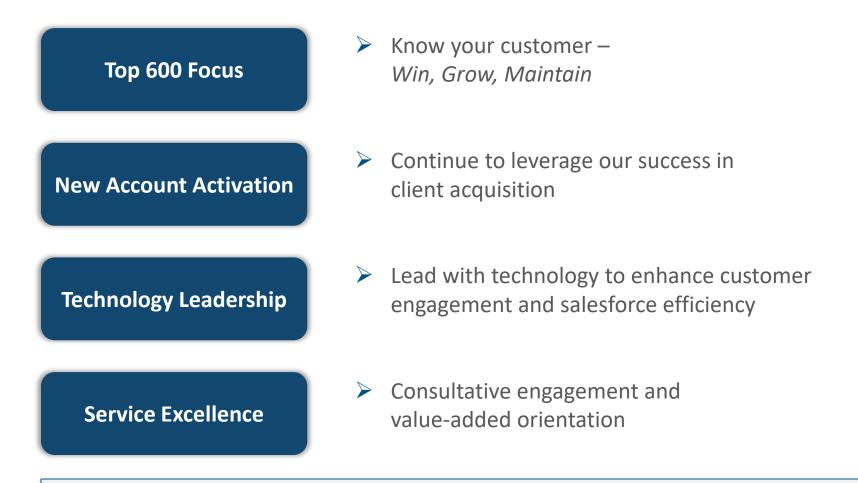
Integration

- Amplify NMI message through digital communication tools
- Digital account and relationship management
- Virtual meetings, training, webinars



Sustaining Our Positive Momentum





Driving continued customer success:

Activating new, high-value lenders and growing wallet share in existing accounts



Risk Management

Rob Smith Chief Risk Officer

Prioritizing Risk Management



✓ Enterprise Risk Management Focus

 "Three Pillars" of NMI's Credit Risk Management Framework

National Mi.

Deploying a robust risk management program to secure performance across all market cycles

 Navigating Through Evolving Risk Environment

Enterprise Risk Management Framework



Strong Underwriting and Oversight of Origination Activity

> Strong Borrower Credit Profiles

Regulatory Guardrails on Origination Quality

> PMIERs Capital Standards

Regulatory & Rating Agency Oversight



Prioritizing Risk Management



✓ Enterprise Risk Management Focus

✓ "Three Pillars" of NMI's Credit Risk
 Management Framework

National mi.

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 Navigating Through Evolving Risk Environment

Credit Risk Management Framework



National MI takes an "all seasons" approach to risk – applying best-in-class tools across all market cycles

Individual risk underwriting

- Losses occur at a loan level

 credit risk management
 requires loan-level
 knowledge
- NMI <u>individually</u> <u>underwrites or validates</u> majority of loans we insure
- Rest of industry relies on portfolio QC reviews

Rate GPS Granular Pricing System

- All buyers, lenders and homes are different – these differences impact loan performance
- <u>Rate GPS considers a</u>
 <u>broad range of risk</u>
 <u>variables</u> far beyond
 FICO and LTV
- Prioritizes high-quality
 <u>loans</u> from high-quality
 lenders

Comprehensive reinsurance program

- Broad reinsurance program spanning quota share, excess of loss and capital markets ILN issuance
- Enhances return profile and mitigates impact of credit volatility under stress scenarios

High-Quality Insured Portfolio



Credit Risk Standards & **Rigorous Underwriting Process**

- High-quality by FICO, LTV and DTI
- Minimal layered risk concentration
- 100% fully documented loan files
- > No aggressive product types
- Geographic diversification
- Individual underwriting / validation \geq
- Risk-based pricing Rate GPS
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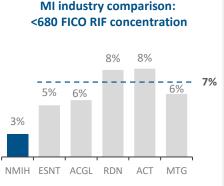
¹ Represents 95.01% and above, as reported by NMIH and peers

Note: Industry RIF data as of 9/30/22 as disclosed in SEC filings and/or quarterly financial supplements

High-Quality In-Force Portfolio - \$46.3bn RIF

Primary RIF by FICO



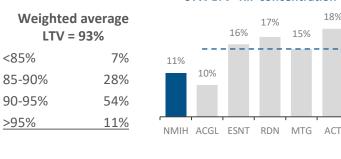


Primary RIF by LTV

MI industry comparison: 97% LTV¹ RIF concentration

18%

15%

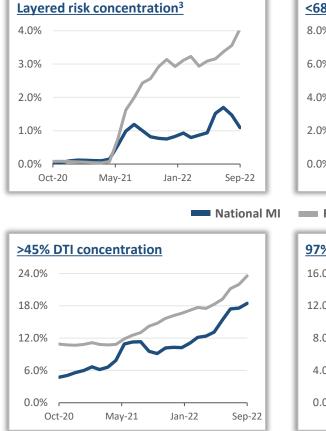


Rate GPS Is a Powerful Credit Risk Management Tool

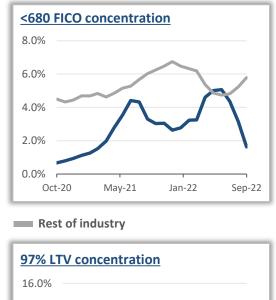


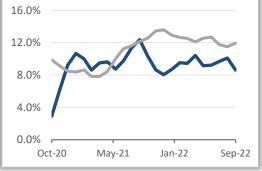


- National MI sources overwhelming majority of its production through Rate GPS
- Considers broad range of variables with proven impact on credit performance
- Dynamically considers relationship between multiple risk variables
- Utilize to tactically shape risk mix and insured portfolio
- Allows for real-time changes to address emerging risks



New business risk concentration: National MI vs. rest of industry^{1,2}





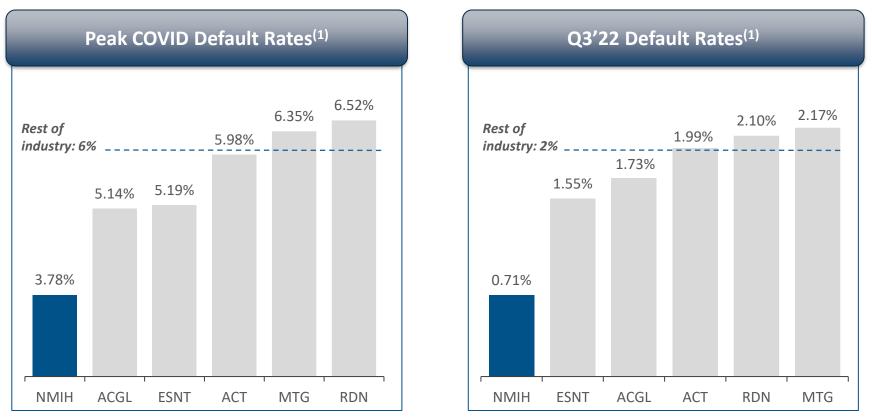
¹New business risk concentration based on first payment date, which differs from date of NIW production. NIW production is determined by loan closing date; first payments generally follow loan closing by one to two months ²NMI first payment data based on internal company reports; rest of industry estimated based on GSE MBS data pertaining to high LTV loans, adjusted to exclude NMI figures as provided by company ³Layered risk defined as loans with two or more in-focus risk characteristics (<680 FICO, >45% DTI, 97% LTV)

Source: Fannie Mae and Freddie Mac MBS data files

Portfolio Quality Drives Credit Performance



Commitment to Credit Discipline Across All Market Cycles



(1) Default rates as reported by each individual company in SEC filings, earnings releases, financial supplements or press releases. Periods in which peak default rates occurred may not align and underlying definitions and calculations of default rate may not be uniform across companies

Comprehensive Reinsurance Program



Reinsurance "Tower" Illustration Comprehensive reinsurance coverage on nearly all risk ever written NMI "back on risk" when losses exceed 2008 Financial Crisis-like levels ~30% quota share (proportional) ILNs 1.0 - 7.0 XOLs reinsurance¹ "Excess-of-loss" 1.0 - 3.0reinsurance NMI retains exposure up to attachment point (deductible)²

- National MI utilizes reinsurance as both:
 - Source of efficient funding for its PMIERs, Standard & Poor's and state regulatory capital needs; <u>and</u>
 - Risk management tool to limit the potential volatility of its credit portfolio across market cycles
- National MI has secured reinsurance coverage from both traditional reinsurers and capital markets investors
 - > 2016, 2018, 2020, 2021 and 2022 QSRs
 - > 2022 seasoned QSR
 - > 2017, 2018, 2019, 2020 and 2021 ILNs
 - > 2022 XOLs 1.0, 2.0 and 3.0
- National MI intends to be active in all markets on a consistent basis going forward

⁽¹⁾ Includes coverage provided under both forward flow and seasoned QSR treaties

⁽²⁾ Attachment points may vary for each ILN transaction and National MI's retained exposure for each transaction is considered individually

Reinsurance Mitigates Impact of "Tail Events"



Illustrative "Lifetime" Stress Losses ⁽¹⁾ – 2022 CCAR Severely Adverse Scenario					
А	Insurance in-force	\$179.2 bn	@ 9/30/22		
В	Net yield	27.2 bps			
С	Remaining weighted average life	4.0 years			
D	Remaining "lifetime" premiums	\$1,950 mm	A x B x C		
Е	Cumulative claims rate in stress scenario	3.5%			
F	Performing portfolio in stress scenario	96.5%	1 – E		
G	"Remaining" lifetime premiums in stress scenario	\$1,881 mm	D x F		
Н	Insurance in-force	\$179.2 bn			
I	Coverage %	25.8%			
J	Gross RIF	\$46.3 bn	HxI		
К	QS cession	27.0%			
L	Net RIF	\$33.8 bn	J x (1- K)		
Μ	Cumulative claims rate in stress scenario	3.5%			
Ν	Stress losses before cession to ILNs and XOLs	\$1,183 mm	L x M		
0	Stress losses ceded to ILNs and XOLs (2)	\$577 mm			
Ρ	Expected lifetime losses in stress scenario	\$606 mm	N – O		
Q	Implied "lifetime loss ratio"	32.2%	P÷G		

(1) Not a forecast; for illustration purposes only. Some totals may not foot due to rounding

(2) Represents 1/3 of outstanding 9/30/22 ILN trust balances and XOL aggregate limits estimated based on severity of stress and general attach/detach levels on XOL and ILN structures

Prioritizing Risk Management



Enterprise Risk Management Focus

 "Three Pillars" of NMI's Credit Risk Management Framework

National mi.

Deploying a robust risk management program to secure performance across all market cycles

Navigating Through
 Evolving Risk Environment

Evolving Risk Environment



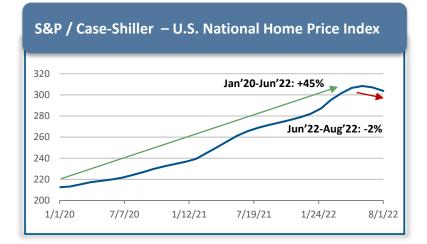
- > Macro risk continues to grow and has begun to ripple across the housing market
- > Headline inflation remains historically high despite aggressive Fed action
- Rapidly rising mortgage rates are straining housing affordability for most prospective buyers
- House prices have begun to contract in most markets and are likely to decline further in 2023
- > If recession develops, labor market will weaken and unemployment will increase

Anticipating heightened credit stress and potential for increased claims exposure

Evolving Risk Environment

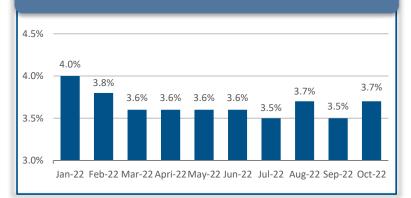
House Prices and Unemployment





Forecasted house price performance	2022 peak to 2023 year-end
Fannie Mae	-3.0%
Freddie Mac	-4.0%
Morgan Stanley	-7.0%
J.P. Morgan	-10.0%
Moody's	-10-20%
John Burns	-18.0%

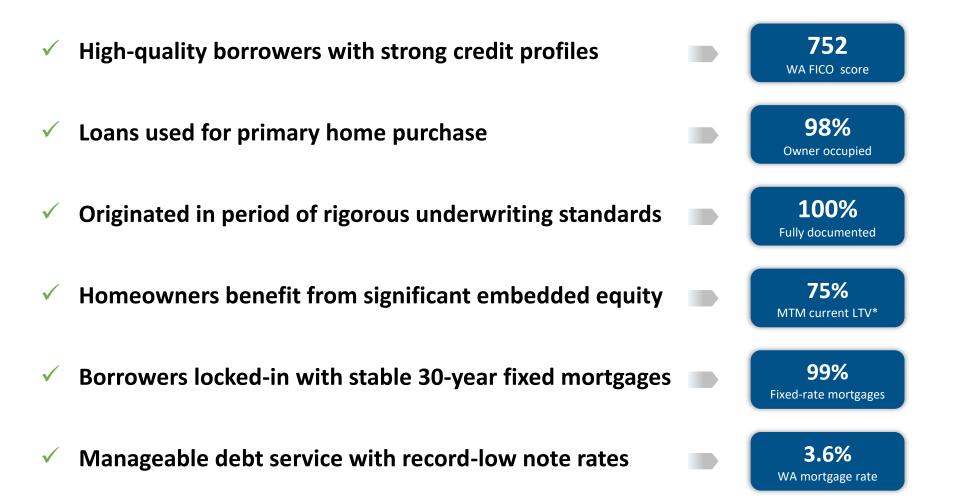
U.S. Unemployment Rate – Bureau of Labor Statistics



Forecasted unemployment	2023 year-end
FOMC (September)	4.4%
Morgan Stanley	4.3%
J.P. Morgan	4.4%
MBA	5.5%
Fannie Mae	5.7%
John Burns (2024)	6.0%

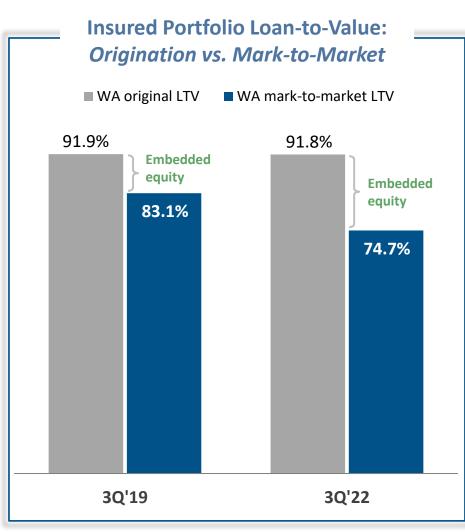
Existing Borrowers Well-Situated to Perform Through Potential Stress





* Mark-to-market LTV estimated based on observed MSA level house price trends

Significant Embedded Home Equity



 Borrowers built significant home equity with record pace of HPA over last three years

INVESTOR DAY 2022

- Home equity serves to bolster borrower credit performance
 - Increased flexibility reduces default experience and increases cure outcomes
- Home equity (down payment, amortization and appreciation) sits in front of NMI loss exposure in event of claim

Note: Mark-to-market LTV estimated based on observed MSA level house price trends

Current Borrowers Benefit from Low Cost, Fixed Rate Mortgages



- Fixed rate: 99% of insured portfolio covers fixed rate mortgages
- Low cost: Weighted average note rate = 3.6%
- Manageable debt service obligations
- Insulation from shelter inflation and broader cost strain
- Faster principal amortization and equity build

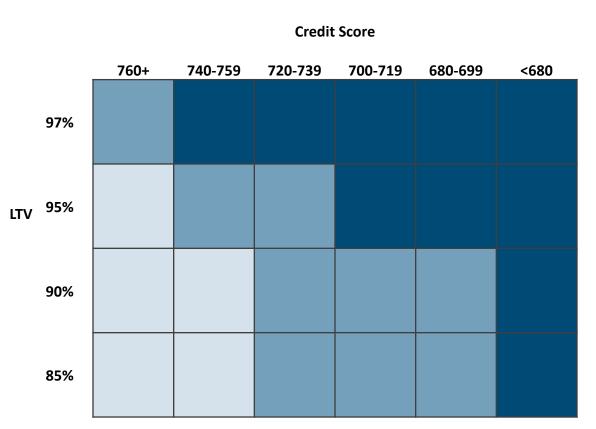


Federal Reserve Bank of Atlanta Wage Growth Tracker 12 month moving average (unweighted, hourly)
 St. Louis Fed Consumer Price Index for All Urban Consumers ex. impact of cost of shelter component

Taking Broad Pricing Action in Response to Emerging Stress



- Achieved multiple rate increases across entire pricing / risk spectrum
- Pricing decisions aligned with risk appetite and macro developments
- Immediate effect through Rate GPS
- Potential for additional rate action as needed

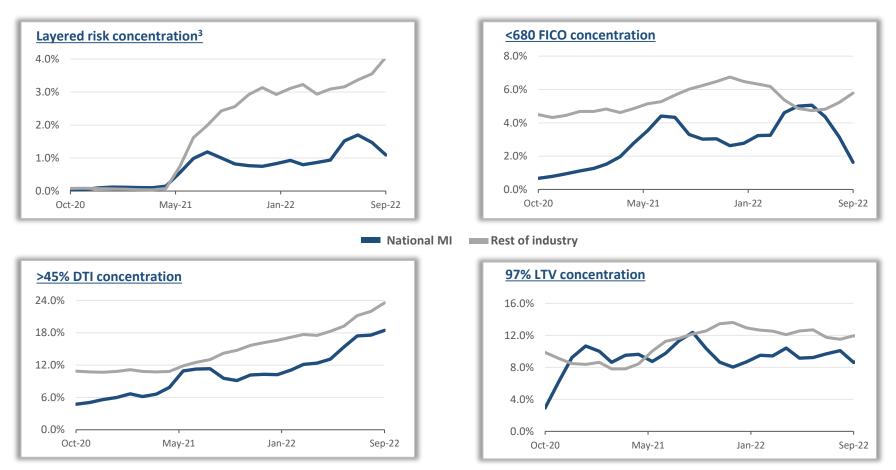


Using Price to Ensure Rate Adequacy and Define Risk Appetite

Defined Risk Appetite: *Restricting Mix by Risk and Geography*



New business risk concentration: National MI vs. rest of industry^{1,2}



¹ New business risk concentration based on first payment date, which differs from date of NIW production. NIW production is determined by loan closing date; first payments generally follow loan closing by one to two months ² NMI first payment data based on internal company reports; rest of industry estimated based on GSE MBS data pertaining to high LTV loans, adjusted to exclude NMI figures as provided by company ³ Layered risk defined as loans with two or more in-focus risk characteristics (<680 FICO, >45% DTI, 97% LTV)

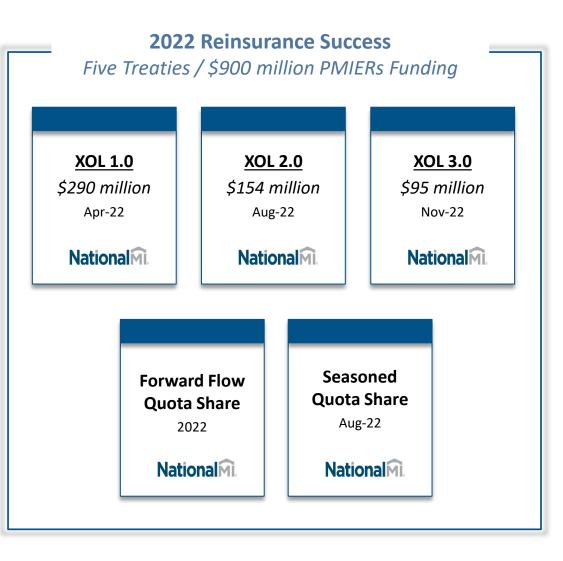
Source: Fannie Mae and Freddie Mac MBS data files

Innovative Risk-Transfer Program:

Maintaining Comprehensive Coverage



- Leading with innovation in risk-transfer markets
- Five new treaties established in 2022
- Expanding into new markets and compressing cycle time between deals
- Maintain comprehensive reinsurance coverage across entire portfolio
- 97% of IIF covered by comprehensive risktransfer solution
- Bolstering PMIERs funding position



Prioritizing Risk Management



✓ Enterprise Risk Management Focus

 "Three Pillars" of NMI's Credit Risk Management Framework

National Mi.

Deploying a robust risk management program to secure performance across all market cycles

 Navigating Through Evolving Risk Environment



Financial Review

Ravi Mallela Chief Financial Officer

Delivering Financial Success



Achieving Standout Financial Success High-growth, high-returns, low volatility

Positioned for Through-the-Cycle Performance Sustained profitability and capital strength through stress

Long-Term Opportunity to Drive Continued Growth and Value Maximizing financial performance and flexibility

Summary Financial Snapshot

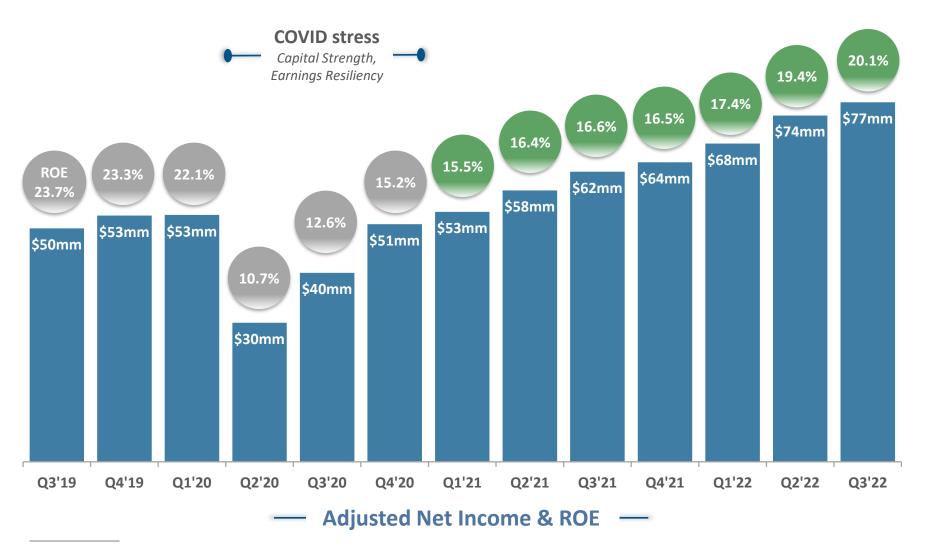


	3Q'22 LTM	Three-year CAGR / average
V NIW	\$66.4 billion	+18.2%
🗸 IIF	\$179.2 billion	+25.9%
✓ Revenue	\$515.3 million	+13.7%
Adjusted net income*	\$282.2 million	+20.3%
Adjusted return on equity*	18.5%	17.1%
✓ Book value	\$1.5 billion	+20.4%
Book value per share ex. AOCI	\$20.85	+18.4%
🗸 Loss ratio	-1.6%	5.3%
Adjusted expense ratio*	26.7%	29.5%

* Adjusted net income, adjusted return on equity and adjusted expense ratio are non-GAAP measures. For a reconciliation to the most comparable GAAP measures, refer to the Appendix, or the investor relations section of the company's website at www.nationalmi.com. Loss ratio represents cumulative loss ratio over the periods.

Consistently Strong Performance





Note: Adjusted net income and adjusted return on equity are non-GAAP measures. For a reconciliation to the most comparable GAAP measures to the investor relations section of the company's website at www.nationalmi.com

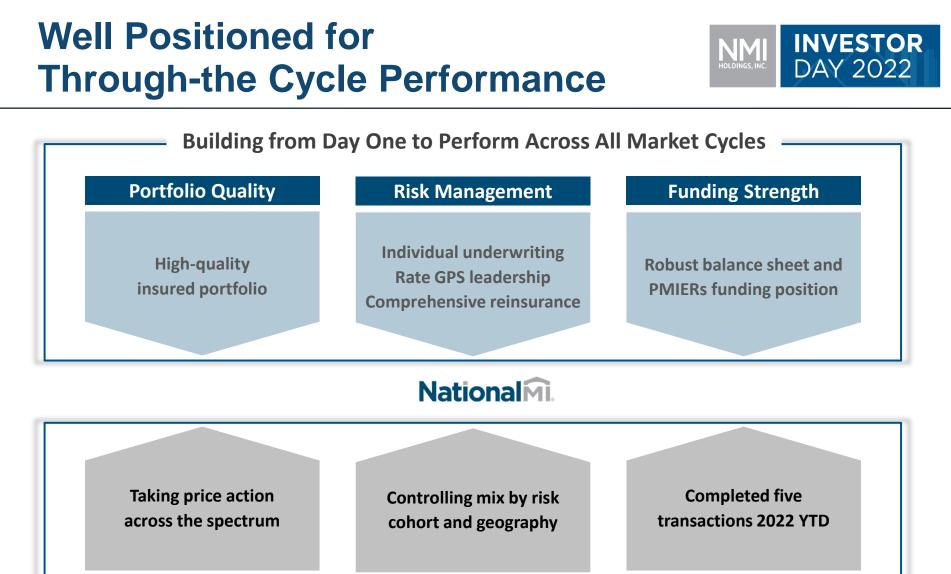
Delivering Financial Success



Achieving Standout Financial Success High-growth, high-returns, low volatility

Positioned for Through-the-Cycle Performance Sustained profitability and capital strength through stress

Long-Term Opportunity to Drive Continued Growth and Value Maximizing financial strength and flexibility



Policy Pricing

Risk Selection

Reinsurance

Proactive and Decisive Action with Emergence of Increased Macro Risk

High-Quality Insured Portfolio



Credit Risk Standards & Rigorous Underwriting Process

- > High-quality by FICO, LTV and DTI
- > Minimal layered risk concentration
- > 100% fully documented loan files
- > No aggressive product types
- > Geographic diversification
- Individual underwriting / validation
- > Risk-based pricing Rate GPS
- > No pre-financial crisis exposure

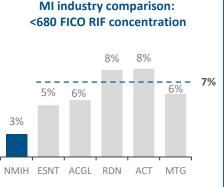
¹ Represents 95.01% and above, as reported by NMIH and peers

Note: Industry RIF data as of 9/30/22 as disclosed in SEC filings and/or quarterly financial supplements

High-Quality In-Force Portfolio - \$46.3bn RIF

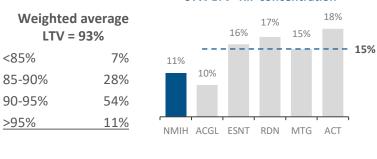
Primary RIF by FICO





Primary RIF by LTV

MI industry comparison: 97% LTV¹ RIF concentration



Reinsurance Protects Portfolio and Balance Sheet



Quota share coverage on all production through 12/31/23

ILN/XOL attachment points: 1.85% - 2.90%

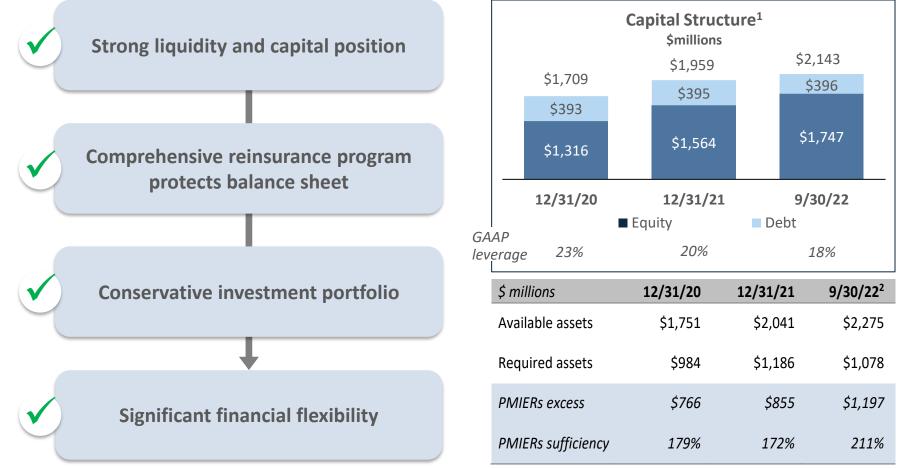
Weighted average pre-tax cost of PMIERs funding ~5% 97% of insured portfolio covered by comprehensive risk transfer solution

\$179 billion insurance in-force

Comprehensive reinsurance coverage and efficient PMIERs funding

Strong Balance Sheet





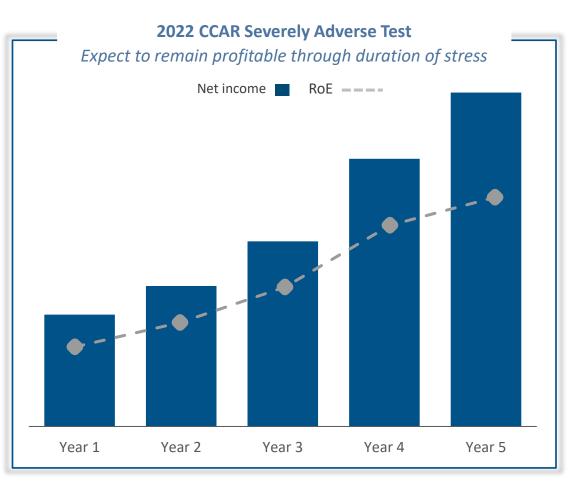
(1) Equity values exclude the impact of AOCI

(2) Presented pro-forma for XOL 3.0

Stress Testing: 2022 CCAR Severely Adverse



- High-quality portfolio and comprehensive reinsurance set high floor through stress
- Expected to maintain profitability and strong returns through duration of downturn
- Repeat of financial crisis is expected to be an earnings event not a capital event



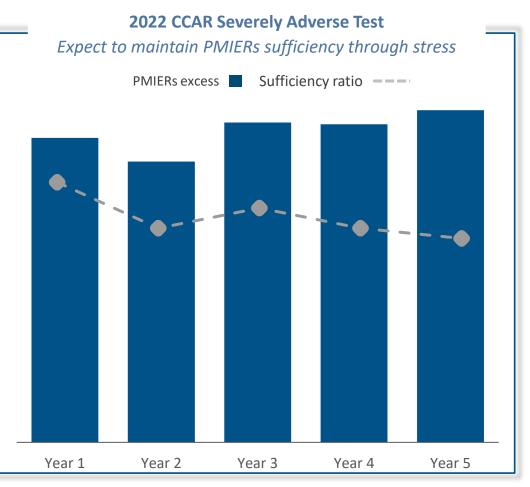
* Not a forecast. For illustrative purposes only.

Illustration contemplates certain macroeconomic, MI industry and National MI specific factors which may differ from those realized during a period without such significant stress.

Stress Testing: 2022 CCAR Severely Adverse



- Robust funding position with 211% PMIERs sufficiency as of 9/30/22¹
- High-quality portfolio and comprehensive reinsurance minimize funding strain through stress
- Significant earnings power of platform provides added support
- Expect to maintain PMIERs sufficiency through repeat of Financial Crisis
- Ability to absorb capital strain dramatically beyond Financial Crisis levels



* Not a forecast. For illustrative purposes only.

Illustration contemplates certain macroeconomic, MI industry and National MI specific factors which may differ from those realized during a period without such significant stress.

Delivering Financial Success



Achieving Standout Financial Success High-growth, high-returns, low volatility

Positioned for Through-the-Cycle Performance

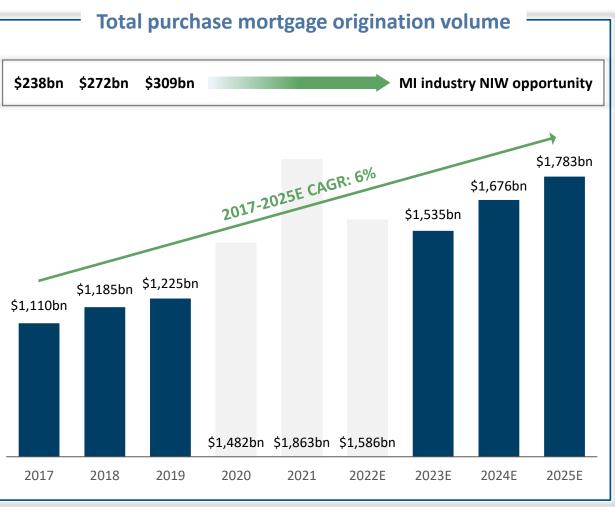
Sustained profitability and capital strength through stress

Long-Term Opportunity to Drive Continued Growth and Value Maximizing financial strength and flexibility

Long-Term: Significant Private MI Industry Opportunity



- Macro environment will stabilize
- Housing market will expand
- Population will grow and demographics matter
- Mortgage origination volume will rebound
- Borrowers will need MI support
- NIW opportunity will be significant
- Persistency provides embedded value support



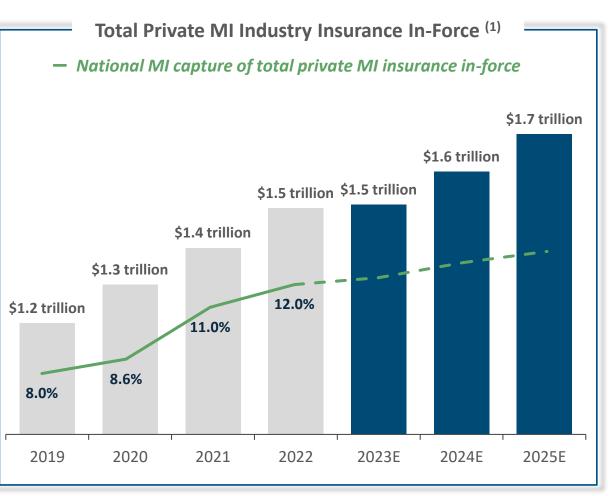
Source: Mortgage Bankers Association

Driving High-Quality Insured Portfolio Growth



- Sizeable long-term private mortgage insurance NIW opportunity and increasing persistency driving growth in industry insurance in-force
- Franchise execution people, customer, IT, operations and risk
- NMI well-positioned for increased capture of total industry insurance in-force

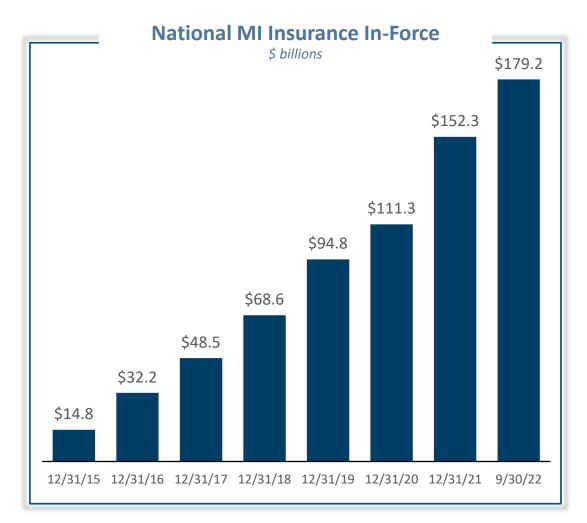
Building high-quality IIF drives long-term growth and value



(1) Forecasted private mortgage insurance industry insurance in-force based on anticipated NIW, and observed and projected persistency rates. National MI capture of total private MI insurance in-force in future periods presented for illustrative purposes only, not as a forecast.

Improving Persistency Driving Embedded Portfolio Value





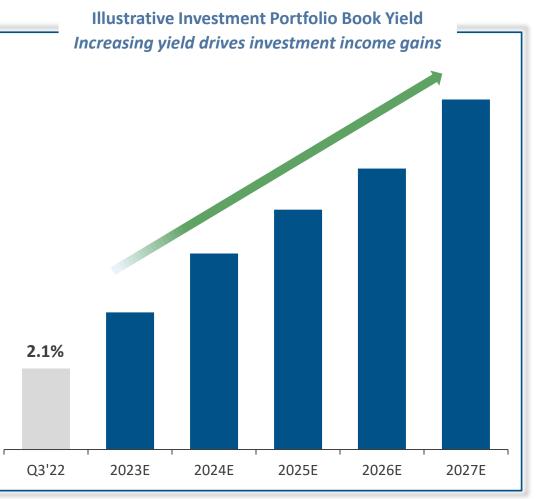
Incr	easing persistency drives revenue and embedded	-	ium									
	Not a forecast; for illustration only											
	Insurance in-force	\$179.2bn										
	Reported net premium yield (Q3'22)	27 bps										
	30-year mortgage rate (11/10/22)	7.08%										
	30-year mortgage rate (12/31/21)	3.27%										
	WA portfolio note rate (9/30/22)	3.62%										
	Estimated WA portfolio extension (Q4'21-Q3'22)	0.7 years										
	Incremental lifetime premium revenue	\$341mm										

Benefit of Higher Interest Rates

Opportunity for Incremental Investment Income



- 100% fixed income, investment grade portfolio
- Expect \$600+ million of purchases through 12/31/23
- 5-6% prevailing new money rates in most attractive highquality fixed income sectors
- Investment yield provides income and return support in period of increasing macro dislocation

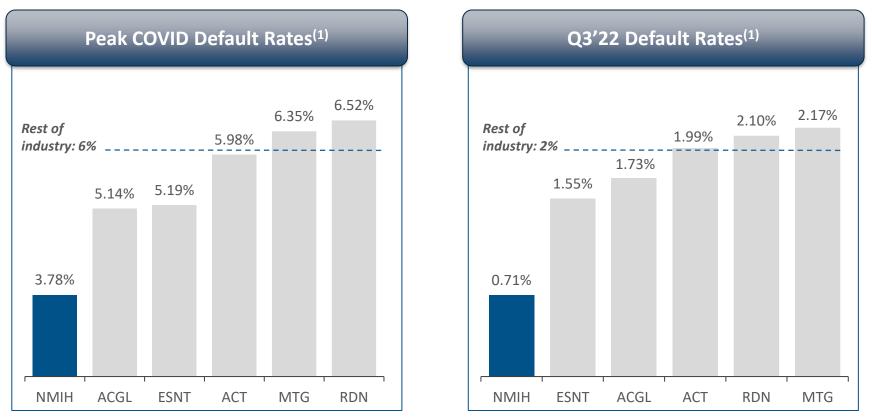


^{*} Not a forecast. For illustrative purposes only.

Portfolio Quality Drives Credit Performance



Commitment to Credit Discipline Across All Market Cycles

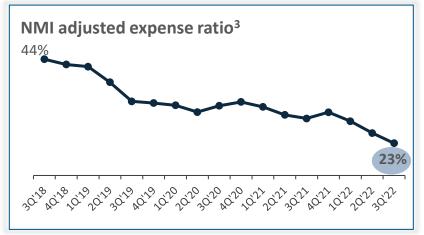


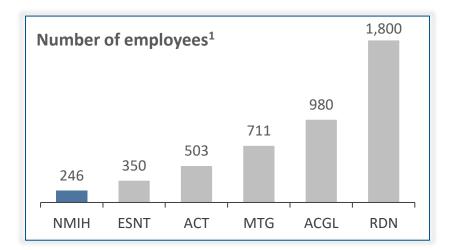
(1) Default rates as reported by each individual company in SEC filings, earnings releases, financial supplements or press releases. Periods in which peak default rates occurred may not align and underlying definitions and calculations of default rate may not be uniform across companies

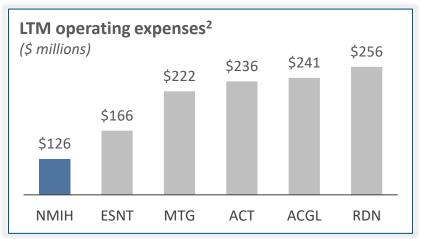
Organizational Efficiency and Expense Discipline



- Smallest employee base in industry ...by far
- Smallest expense base in industry ...by far
- Driving significant expense efficiency ...quickly scaling our expense ratio







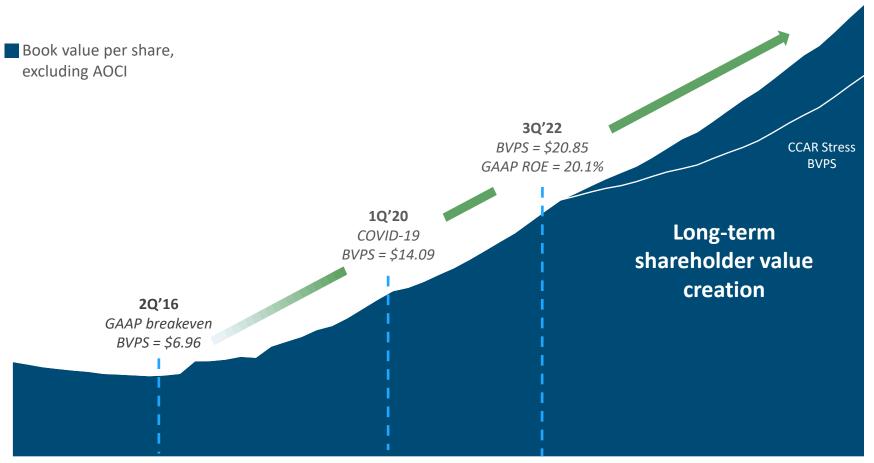
¹ Employee count as of most recent available reporting period; NMIH as of 9/30/22; ESNT as of 9/30/22; ACT, MTG and RDN as of 12/31/21 (MTG excludes "on call" employees, RDN includes all employees – MI only employee base not disclosed); ACGL represents Mortgage Segment employees as of 2/21/18 per 2017 10K. ² NMIH presented on adjusted basis; ESNT, MTG and ACT total company as reported; RDN MI segment as reported – including RDN's allocation of corporate items; ACGL MI segment as reported – excluding corporate allocation .³ Presented on an adjusted basis which is a non-GAAP measure. For a reconciliation to the most comparable GAAP measures, refer to the Appendix, or the investor relations section of the company's website at <u>www.nationalmi.com</u>

Poised to Deliver Long-Term Growth and Value



Driving long-term shareholder value:

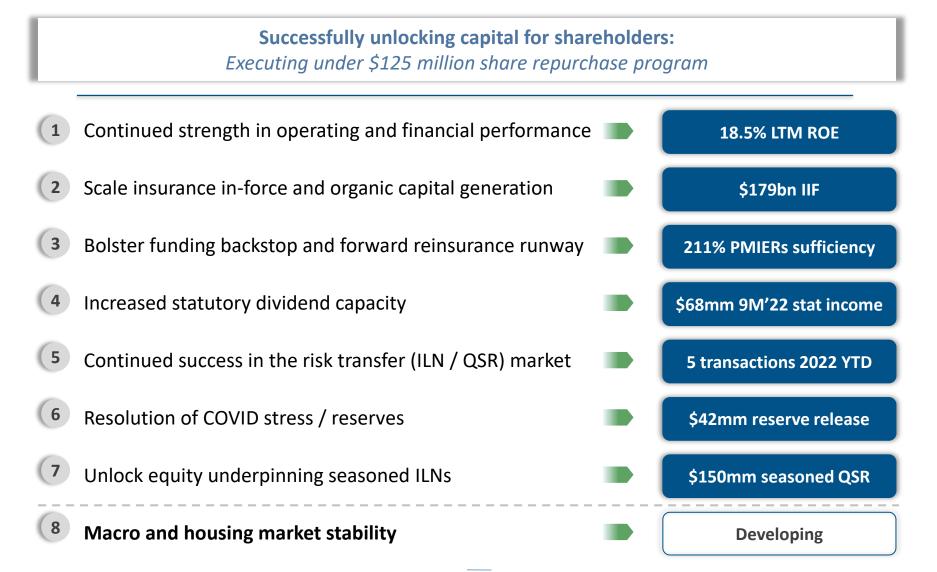
Delivering strong returns and compounding book value on accelerated basis



Not a forecast. For illustrative purposes only.

Capital Distribution Success and Future Opportunity





Delivering Financial Success



Achieving Standout Financial Success High-growth, high-returns, low volatility

Positioned for Through-the-Cycle Performance Sustained profitability and capital strength through stress

Long-Term Opportunity to Drive Continued Growth and Value Maximizing financial performance and flexibility

Concluding Remarks



National Mi.



 \checkmark

Ten-year track record of success provides strong foundation Well-positioned to navigate emerging risk environment Poised to deliver longterm growth and value



Questions & Answers



Appendix

Use of Non-GAAP Financial Measures



We believe the use of the non-GAAP measures of adjusted operating expense, adjusted expense ratio, adjusted combined ratio, adjusted pre-tax income, adjusted net income, adjusted pre-tax return-on-equity, adjusted effective tax rate and adjusted return-on-equity enhances the comparability of our fundamental financial performance between periods, and provides relevant information to investors. These non-GAAP financial measures align with the way the company's business performance is evaluated by management. These measures are not prepared in accordance with GAAP and should not be viewed as alternatives to GAAP measures of performance. These measures have been presented to increase transparency and enhance the comparability of our fundamental operating trends across periods. Other companies may calculate these measures differently; their measures may not be comparable to those we calculate and present.

Adjusted operating expense is defined as GAAP operating expense, excluding the periodic costs recorded to GAAP operating expense incurred in connection with capital markets transactions and other infrequent, unusual or non-operating items in the periods in which such items are incurred.

Adjusted operating expense ratio is defined as GAAP operating expense, excluding the periodic costs recorded to GAAP operating expense incurred in connection with capital markets transactions and other infrequent, unusual or non-operating items in the periods in which such items are incurred divided by net premiums earned during such periods.

Adjusted combined ratio is defined as the total of GAAP underwriting and operating expenses, excluding the pre-tax effects of periodic costs incurred in connection with capital markets transactions and insurance claims and claims expenses, divided by net premiums earned.

Adjusted pre-tax income is defined as GAAP income before tax, excluding the pre-tax effects of the gain or loss related to the change in fair value of our warrant liability, periodic costs incurred in connection with capital markets transactions, net realized gains or losses from our investment portfolio, and other infrequent, unusual or non-operating items in the periods in which such items are incurred.

Adjusted net income is defined as GAAP net income excluding the after-tax effects of the gain or loss related to the change in fair value of our warrant liability, periodic costs incurred in connection with capital markets transactions, net realized gains or losses from our investment portfolio, and other infrequent, unusual or non-operating items in the periods in which such items are incurred. Adjustments to components of pre-tax income are tax effected using the applicable federal statutory tax rate for the respective periods.

Adjusted pre-tax return-on-equity is calculated by dividing adjusted pre-tax income on an annualized basis by the average shareholders' equity for the period.

Adjusted return-on-equity is calculated by dividing adjusted net income on an annualized basis by the average shareholders' equity for the period.

Adjusted effective tax rate is calculated by diving GAAP income tax expense adjusted for the tax-effects of net realized gains or losses from our investment portfolio, periodic costs incurred in connection with capital market transaction and other infrequent, unusual or non-operating items in the periods in which such items are incurred, using the applicable federal statutory tax rate for the respective periods by adjusted pre-tax income for the period.

Although adjusted operating expense, adjusted expense ratio, adjusted combined ratio, adjusted pre-tax income, adjusted net income, adjusted pre-tax return-on-equity, adjusted effective tax rate and adjusted return-on-equity exclude certain items that have occurred in the past and are expected to occur in the future, the excluded items: (1) are not viewed as part of the operating performance of our primary activities; or (2) are impacted by market, economic or regulatory factors and are not necessarily indicative of operating trends, or both. These adjustments, and the reasons for their treatment, are described below.

- (1) Change in fair value of warrant liability. Outstanding warrants at the end of each reporting period are revalued, and any change in fair value is reported in the statement of operations in the period in which the change occurred. The change in fair value of our warrant liability can vary significantly across periods and is influenced principally by equity market and general economic factors that do not impact or reflect our current period operating results. We believe trends in our operating performance can be more clearly identified by excluding fluctuations related to the change in fair value of our warrant liability.
- (2) Capital markets transaction costs. Capital markets transaction costs result from activities that are undertaken to improve our debt profile or enhance our capital position through activities such as debt refinancing and capital markets reinsurance transactions that may vary in their size and timing due to factors such as market opportunities, tax and capital profile, and overall market cycles.
- (3) Net realized investment gains and losses. The recognition of the net realized investment gains or losses can vary significantly across periods as the timing is highly discretionary and is influenced by factors such as market opportunities, tax and capital profile, and overall market cycles that do not reflect our current period operating results.
- (4) Other infrequent, unusual or non-operating items. Items that are the result of unforeseen or uncommon events and are not expected to recur with frequency in the future. Identification and exclusion of these items provides clarity about the impact special or rare occurrences may have on our current financial performance. Infrequent, unusual or non-operating adjustments for the three and nine months ended September 30, 2021, include severance, restricted stock modification and other expenses incurred in connection with the CEO transition we announced on September 9, 2021. Past adjustments under this category include the effects of the release of the valuation allowance recorded against our net federal and certain state net deferred tax assets in 2016 and the re-measurement of our net deferred tax assets in connection with tax reform in 2017. We believe such items are infrequent or non-recurring in nature, and are not indicative of the performance of, or ongoing trends in, our primary operating activities or business.

Financial Highlights and Non-GAAP Reconciliation



Mational

NMI Holdings, Inc.		NationalMi											
Non-GAAP reconciliation													
	Thi	rd Quarter	Fourth Quarter	Ei	rst Quarter	Second Quarter	т	bird Quarter	Fourth Quarter	First Quar	lor	Second Quarter	Third Quarter
(\$ in thousands, except per share values)		/30/2020	12/31/2020		3/31/2021	6/30/2021		9/30/2021	12/31/2021	3/31/2022		6/30/2022	9/30/2022
As Reported:													
Revenues													
Net premiums earned	\$		\$ 100,709	\$	105,879	\$ 110,8			\$ 113,933	\$ 116,49			
Net Investment Income		8,337	8,386		8,814	9,3		9,831	10,045	10,19		10,921	11,945
Net realized investment gains (losses)		(4)	295				12	3	714		80	53	14
Other revenues		648	513		501		83	613	380		39	376	301
Total revenues	\$	107,783	\$ 109,903	\$	115,194	\$ 120,7	65 \$	124,041	\$ 125,072	\$ 127,4	41 \$	\$ 132,220	\$ 130,577
Expenses	s	15.667	\$ 3,549	s	4,962	\$ 4.6	40 S	3,204	\$ (500)	\$ (6 ⁻	19) \$	¢ (2.020)	¢ (3.390
Insurance claims and claims expenses	\$	33,969	φ 3,549 34,994	Þ	4,962	\$ 4,0 34,7		34,669	\$ (500) 38,843	a (o 32.9		\$ (3,036) 30,700	\$ (3,389 27,144
Underwriting and operating expenses Service expenses		33,969 557	459		34,065 591		25 81	34,009	36,643		30 30	30,700	27,144
Interest expense		7,796	7,906		7,915	7.9		7,930	8.029	8.0		8.051	8.036
(Gain) loss from change in fair value of warrant liability		437	1,379		205		58)	7,930	(112)		93)	(1.020)	8,030
Total expenses	\$	58,426		\$	47,738			46,590		\$ 40,6			
Income before income taxes	s	49,357	\$ 61,616	s	67,456	\$ 73.6	55 S	77,451	\$ 78,162	\$ 86.7	47 9	\$ 97,189	\$ 98,589
Income tax expense	•	11,178	13,348	•	14,565	16.1		17,258	17.639	19.0		21,745	21,751
Net income	\$	38,179		\$	52,891		22 \$			\$ 67,6			
Adjustmenter													
Adjustments: (Gain) loss from change in fair value of warrant liability	s	437	\$ 1.379	s	205	¢ (6	58) \$	-	\$ (112)	S (93) \$	\$ (1.020)	¢
Capital markets transaction costs	4	2.254	1,579	Ŷ	378	¢ (0 1.6		481	1.505		60 60	¢ (1,020) (55)	φ -
Net realized investment (gains) losses		2,254	(295)				12)	(3)	(714)	_	08)	(53)	(14
Other Infrequent, unusual or non-operating items			(200)				12)	1.289	2,540	(4	,	(55)	(
Adjusted Income before income taxes	S	52,052	\$ 64,419	\$	68,039	\$ 74.6	00 \$		\$ 81,381	\$ 86,5	06 9	\$ 96.061	\$ 98,575
Income tax expense (benefit) on adjustments	s		\$ 299	ŝ	79		37 \$				31) \$		
Adjusted Net income	\$	40,400	\$ 50,772	\$	53,395	\$ 58,1	30 \$	61,821	\$ 63,491	\$ 67,4	70 \$	\$ 74,339	\$ 76,827
Weighted average diluted shares outstanding		85,599	86,250		86,487	86,8	19	86,880	87,117	87,3	10	86,577	85,485
Dilutive effect of non-vested shares and warrants Weighted average diluted shares outstanding – Adjusted		85,599	86,250		86,487	86.8	19	86,880	87,117	87,3	10	86,577	85,485
Diluted EPS – Reported	\$	0.45		\$	0.61		65 \$				77 \$		
Diluted EPS – Adjusted	\$	0.47	\$ 0.59	\$	0.62	\$ 0.	67 \$	0.71	\$ 0.73	\$ 0.7	77 \$	\$ 0.86	\$ 0.90
Shareholders' equity	s	1,307,556	\$ 1.369.591	s	1.380.308	\$ 1.459.9	05 \$	1.516.226	\$ 1,565,786	\$ 1,535.0	42 9	\$ 1,525,092	\$ 1.525.866
Return on equity – Reported	•	11.9%	14.4%		15.4%	16.2		16.2%	15.7%	17.5		19.7%	20.1%
Return on equity – Adjusted		12.6%	15.2%		15.5%	16.4		16.6%	16.5%	17.4		19.4%	20.1%
Expense ratio - Reported		34.4%	34.7%		32.2%	31.3	196	30.5%	34.1%	28.3	%	25.4%	22.9%
Expense ratio - Adjusted		32.1%	33.0%		31.8%	29.9		29.0%	30.5%	28.0		25.4%	22.9%
Loss ratio - Reported and Adjusted		15.9%	3.5%		4.7%	4.2		2.8%	(0.4%)	(0.5		(2.5%)	(2.9%
Combined ratio - Reported		50.2%	38.3%		36,9%	35.6		33.3%	33.7%	27.7		22.9%	20.1%
Combined ratio - Adjusted		48.0%	36.6%		36.5%	34.0		31.8%	30.1%	27.5		22.9%	20.1%
Book value per share	s	15.42	\$ 16.08	s	16.13	\$ 17.	03 S	17.68	\$ 18.25	\$ 17.	84 9	\$ 18.01	\$ 18.21
Book value per share (excluding net unrealized gains and losses)	š	14.86		š	16.02		71 S		•	\$ 18.			
yer enare (evendening her enroditzed genne end rodede)		.4.00	- 10.40	÷	10.02	÷ 10.		11.40	+ 10.20	÷ 10.		- 10.01	- 20.00

Cautionary Note Regarding Forward-Looking Statements



Certain statements contained in this presentation or any other written or oral statements made by or on behalf of the Company in connection therewith may constitute forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended (the "Securities Act"), Section 21E of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and the U.S. Private Securities Litigation Reform Act of 1995 (the "PSLRA"). The PSLRA provides a "safe harbor" for any forward-looking statements. All statements other than statements of historical fact included in or incorporated by reference in this release are forward-looking statements, including any statements about our expectations, outlook, beliefs, plans, predictions, forecasts, objectives, assumptions or future events or performance. These statements are often, but not always, made through the use of words or phrases such as "anticipate," "believe," "can," "could," "may," "predict," "assume," "potential," "should," "will," "estimate," "perceive," "plan," "project," "continuing," "ongoing," "expect," "intend" and similar words or phrases. All forwardlooking statements are only predictions and involve estimates, known and unknown risks, assumptions and uncertainties that may turn out to be inaccurate and could cause actual results to differ materially from those expressed in them. Many risks and uncertainties are inherent in our industry and markets. Others are more specific to our business and operations. Important factors that could cause actual events or results to differ materially from those indicated in such statements include, but are not limited to: uncertainty relating to the coronavirus ("COVID-19") pandemic and the measures taken by governmental authorities and other third parties to combat it, including their impact on the global economy, the U.S. housing, real estate, housing finance and mortgage insurance markets, and the Company's business, operations and personnel, changes in the business practices of Fannie Mae and Freddie Mac (collectively, the "GSEs"), including decisions that have the impact of decreasing or discontinuing the use of mortgage insurance as credit enhancement generally, or with first time homebuyers or on very high loan-to-value mortgages; our ability to remain an eligible mortgage insurer under the private mortgage insurer eligibility requirements ("PMIERs") and other requirements imposed by the GSEs, which they may change at any time; retention of our existing certificates of authority in each state and the District of Columbia ("D.C.") and our ability to remain a mortgage insurer in good standing in each state and D.C.; our future profitability, liquidity and capital resources; actions of existing competitors, including other private mortgage insurers and government mortgage insurers, such as the Federal Housing Administration, U.S. Department of Agriculture's Rural Housing Service and the U.S. Department of Veterans Affairs, and potential market entry by new competitors or consolidation of existing competitors: developments in the world's financial and capital markets and our access to such markets, including reinsurance: adoption of new or changes to existing laws and regulations that impact our business or financial condition directly or the mortgage insurance industry generally or their enforcement and implementation by regulators, including the implementation of the final rules defining and/or concerning "Qualified Mortgage" and "Qualified Residential Mortgage": U.S. federal tax reform and other potential changes in tax law and their impact on us and our operations; legislative or regulatory changes to the GSEs' role in the secondary mortgage market or other changes that could affect the residential mortgage industry generally or mortgage insurance industry in particular; potential future lawsuits, investigations or inquiries or resolution of current lawsuits or inquiries; changes in general economic, market and political conditions and policies, interest rates, inflation and investment results or other conditions that affect the housing market or the markets for home mortgages or mortgage insurance; our ability to successfully execute and implement our capital plans, including our ability to access the capital, credit and reinsurance markets and to enter into, and receive approval of, reinsurance arrangements on terms and conditions that are acceptable to us, the GSEs and our regulators; our ability to implement our business strategy, including our ability to write mortgage insurance on high quality low-down payment residential mortgage loans, implement successfully and on a timely basis, complex infrastructure, systems, procedures, and internal controls to support our business and regulatory and reporting requirements of the insurance industry; our ability to attract and retain a diverse customer base, including the largest mortgage originators; failure of risk management or pricing or investment strategies; decrease in the length of time our insurance policies are in force; emergence of unexpected claim and coverage issues, including claims exceeding our reserves or amounts we had expected to experience; potential adverse impacts arising from natural disasters, including, with respect to affected areas, a decline in new business, adverse effects on home prices, and an increase in notices of default on insured mortgages; the inability of our counterparties, including third party reinsurers, to meet their obligations to us; failure to maintain, improve and continue to develop necessary information technology systems or the failure of technology providers to perform; and, our ability to recruit, train and retain key personnel. These risks and uncertainties also include, but are not limited to, those set forth under the heading "Risk Factors" detailed in Item 1A of Part I of our Annual Report on Form 10-K for the year ended December 31, 2021, as subsequently updated through other reports we file with the SEC. All subsequent written and oral forward-looking statements attributable to the Company or persons acting on its behalf are expressly qualified in their entirety by these cautionary statements. We caution you not to place undue reliance on any forward-looking statement, which speaks only as of the date on which it is made, and we undertake no obligation to publicly update or revise any forward-looking statement to reflect new information, future events or circumstances that occur after the date on which the statement is made or to reflect the occurrence of unanticipated events except as required by law.