Introduction to Travelers 4Q 2020



Long-Term Financial Strategy

Balanced Generation of approach to Meaningful and top tier earnings rightsizing and capital sustainable capital and substantially in competitive growing book advantages excess of growth value per share needs over time

CREATE SHAREHOLDER VALUE

Objective: Mid-Teens Core ROE Over Time



Enterprise Key Competitive Advantages

Return focused company

Product breadth and specialization

- Largest U.S. commercial insurance writer in 2019¹
- Only commercial insurer with a top 5 position in seven major product lines¹, including a #1 position in workers' compensation, and commercial multi peril
- Top 3 writer in personal insurance through independent agents², including #1 in homeowners

Leadership position with distribution

- Leading commercial lines insurer in the UBS Semi-Annual Insurance Agent Survey when agents were asked to identify their commercial lines carriers³
- Relationships with more than 13,500 independent agencies and brokers

Industry leading data and analytics

- Approximately 35 predictive claim models leveraging data and analytics to improve claim outcomes for our customers and efficiency for us
- Proprietary risk assessment database with 200M+ data points compiled over more than a decade

Industry leading claim and risk control capabilities

- More than 500 risk control professionals, including a diverse set of engineers and industry specialists
- Our comprehensive catastrophe response provides Travelers with the industry-leading capability to handle CAT losses with our own, experienced employees. In 2020, nearly 92% of CAT property claims were closed in 30 days

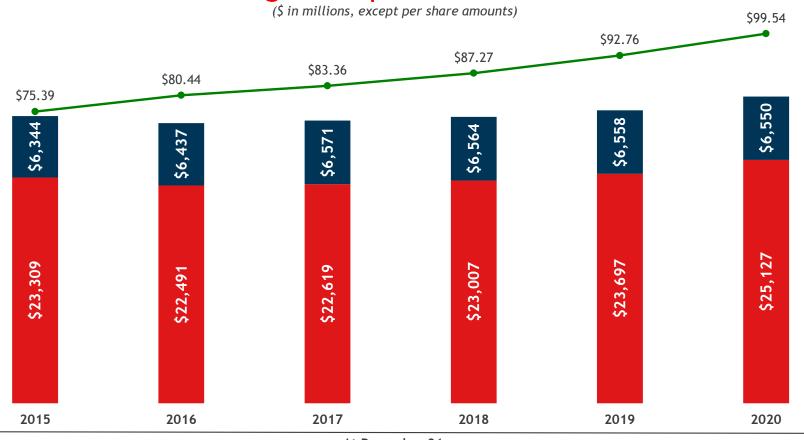
\$30b Net Written Premiums

>6m Customers

13.5k Agency & Broker Relationships



Strong & Simple Balance Sheet



At December 31,

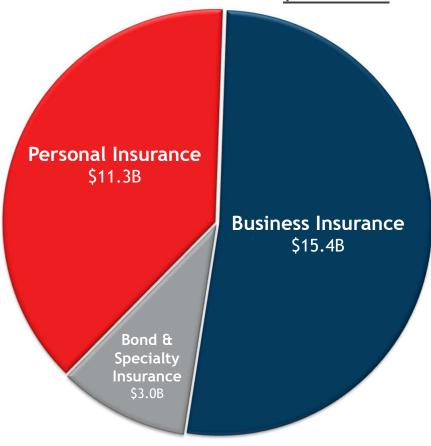


 $^{^{\}rm 1}$ Excludes net unrealized investment gains (losses), net of tax, included in shareholders' equity



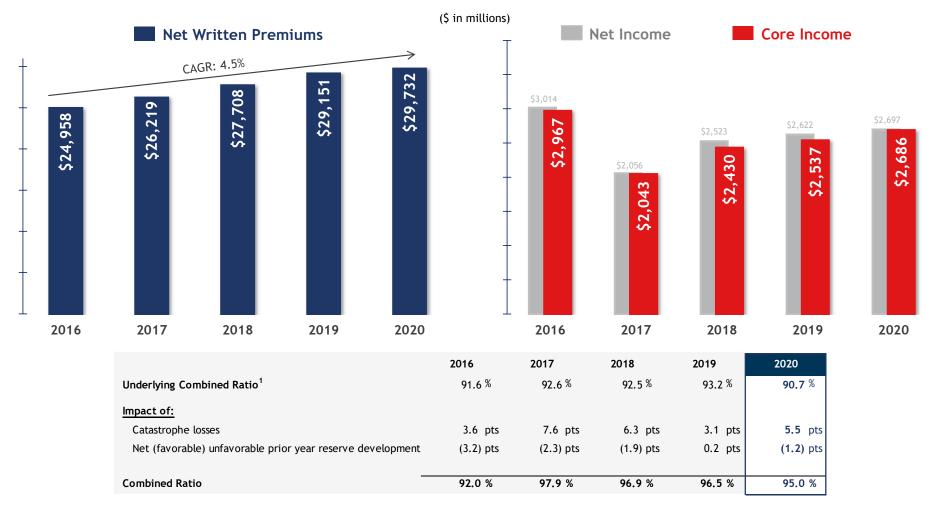
Travelers Business Segments

2020 Net Written Premiums: **\$29.7 Billion**





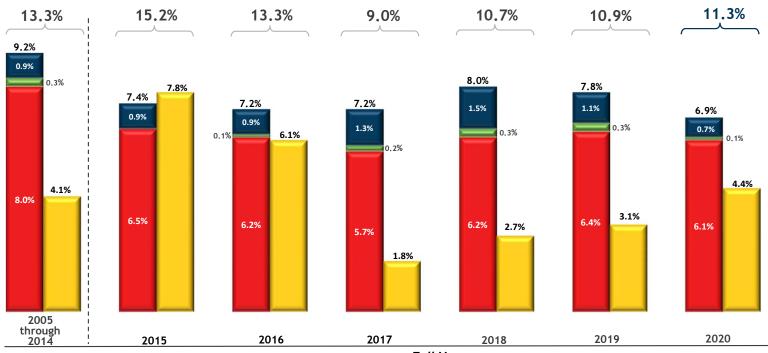
Travelers Consolidated Overview







Components of Core Return on Equity



Full Year

- Long-term fixed net investment portfolio investment income less holding company interest expense

 Short-term fixed net investment portfolio investment income
- Non-fixed net investment portfolio investment income
- Underwriting gain and other



Generation of Top Tier Earnings

RETURN ON EQUITY vs. ESTIMATED COST OF EQUITY¹



From January 1, 2006 through December 31, 2020, TRV's average annual ROE was approximately 12.3%



Balanced Approach to Rightsizing Capital

Operating
company capital
maintained at
levels needed to
support current
business profile
and growth
opportunities
consistent with AA
rating objective

Excess capital in operating companies transferred to holding company

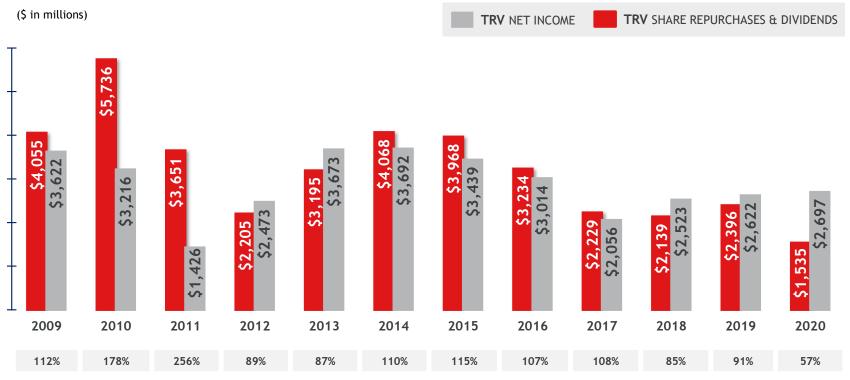
Holding company
leverage
maintained at
level consistent
with AA rating
objective

Holding company
liquidity
maintained in
excess of amount
equal to one year's
dividends and
interest

Unneeded
capital
returned
to
shareholders



Excess Capital Returned to Shareholders

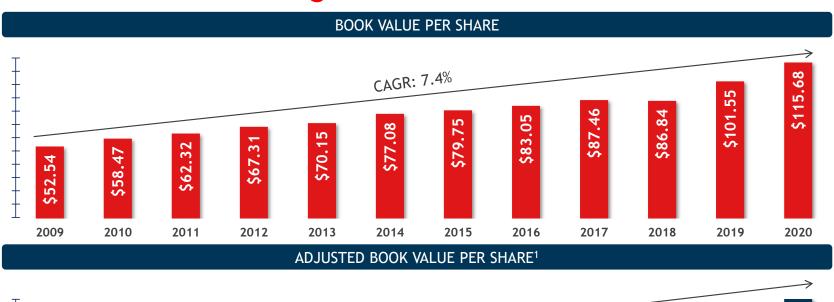


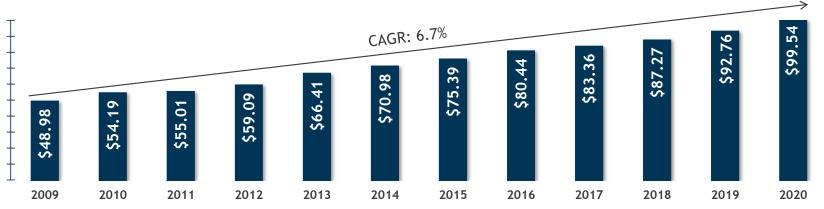
SHARE REPURCHASES AND DIVIDENDS AS PERCENTAGE OF NET INCOME

Since the initial share repurchase authorization granted by the Board on May 2, 2006, TRV has returned \$46.8 billion¹ in share repurchases and dividends or 155% of the market capitalization on that day

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Growing Book Value Per Share

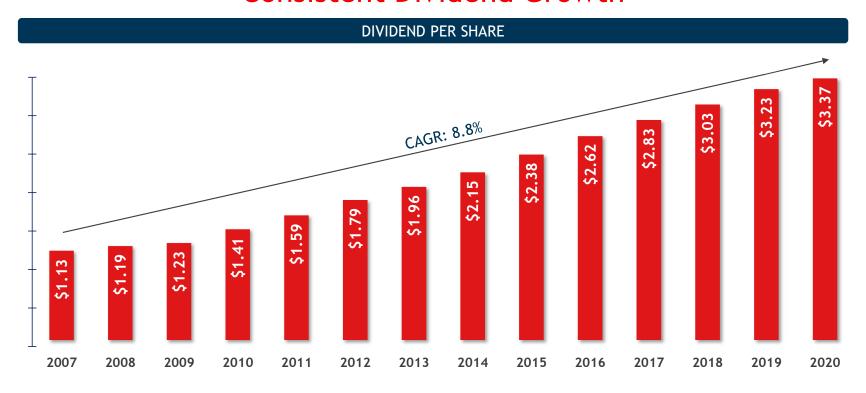




Adjusted book value per share is total common shareholders' equity excluding the after-tax impact of net unrealized investment gain (losses) included in shareholders' equity, divided by the number of common shares outstanding



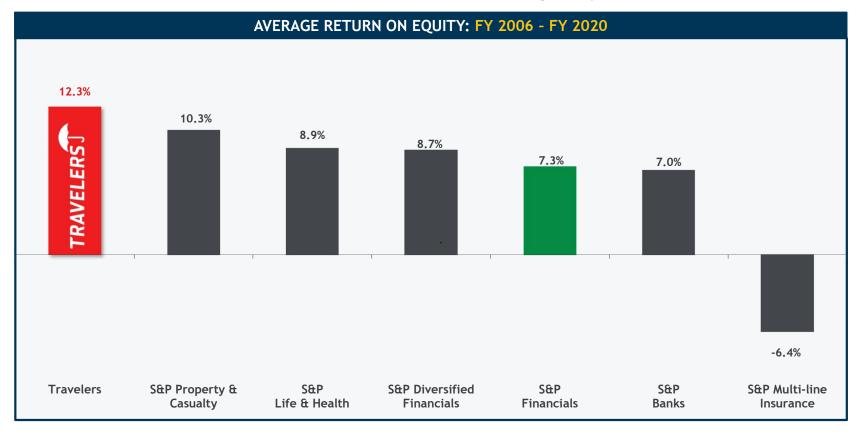
Consistent Dividend Growth



Travelers has paid cash dividends without interruption for 149 years; current dividend yield¹: 2.4%



Return Focused Company



Our focus has resulted in top tier returns in P&C industry and financial services industry broadly



Sustainability

Our long-term success depends not only on our business strategy and competitive advantages but also on keeping our promise to be there for our customers, communities and employees. For this reason, we take an integrated approach to sustained value creation.

Because we believe it is important for our shareholders and other stakeholders to understand how we create value over time, in the broadest sense, we annually publish a website in which we articulate our integrated and comprehensive approach to value creation over time: https://sustainability.travelers.com/

The reporting on the site is aligned with several leading ESG disclosure frameworks, including SASB and TCFD, and includes a comprehensive discussion regarding 16 topics we determined to be most relevant to our industry, our business and our stakeholders:





APPENDIX



Consistent High Quality Investment Portfolio

	December 31, 2020	December 31, 2019	December 31, 2018
Total Investments	\$ 84,423	\$ 77,884	\$ 72,278
Taxable fixed maturities	48%	49%	49%
Tax-exempt fixed maturities	40%	38%	39%
Total fixed maturities	88%	87%	88%
Short-term securities	6%	7%	5%
Total fixed income	94%	94%	93%
Equity securities	1%	1%	1%
Real estate investments	1%	1%	1%
Private equity funds	3%	3%	3%
Hedge funds	- %	- %	- %
Real estate partnerships	1%	1%	1%
Other investments	- %	- %	1%
Total non-fixed income	6%	6%	7%
	100%	100%	100%
Fixed maturities data:			
Average quality rating	Aa2, AA	Aa2, AA	Aa2, AA
Below investment grade	1.8%	2.1%	2.3%
Weighted average duration ¹	3.8	4.0	4.5

INVESTMENT STRATEGY

On-going

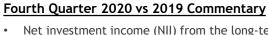
- Investment portfolio managed to support insurance operations
- Portfolio structured to "defease" obligations to policyholders and other creditors and to achieve appropriate risk adjusted returns on capital
- Disciplined, long-term risk/return analysis drives asset allocation decisions
- Current view
 - High quality
 - Shorter duration



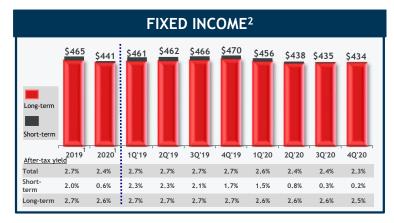
Combined Net Investment Income - After-tax

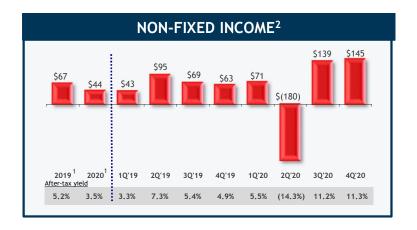
(\$ in millions)





- Net investment income (NII) from the long-term fixed income portfolio decreased due to lower interest rates, partially offset by an increase in average investments
- NII from the short-term fixed income portfolio decreased due to lower interest rates
- NII from the non-fixed income portfolio increased primarily due to higher private equity partnership returns and reflects third quarter recoveries in global financial markets following the first quarter market disruption associated with COVID-19 (non-fixed income returns are generally reported on a one-quarter lagged basis)





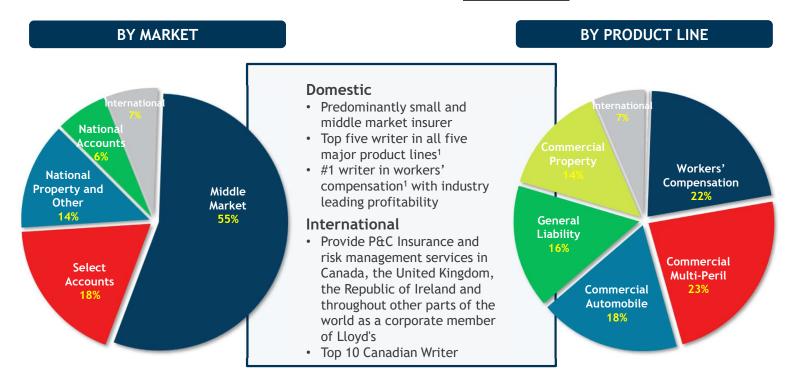


^{1 2019} and 2020 data represent quarterly average

² Excludes investment expenses

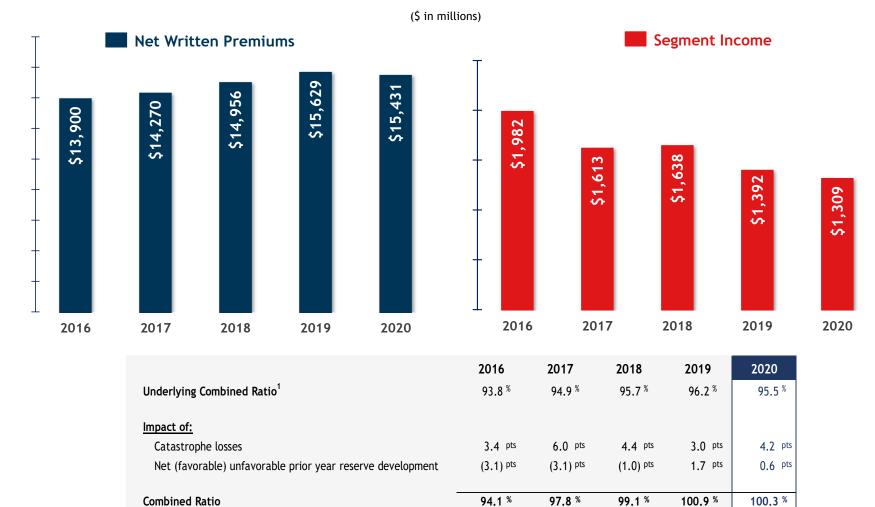
Business Insurance

2020 Net Written Premiums: \$15.4 Billion





Business Insurance

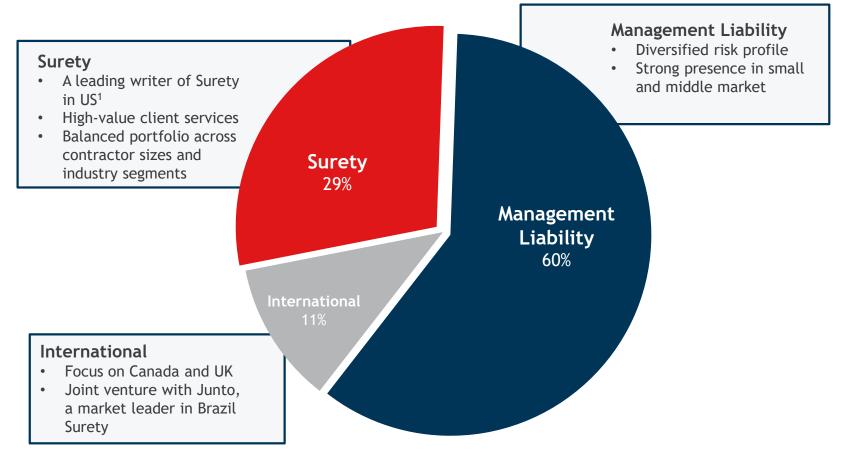


¹ Excludes catastrophe losses and prior year reserve development



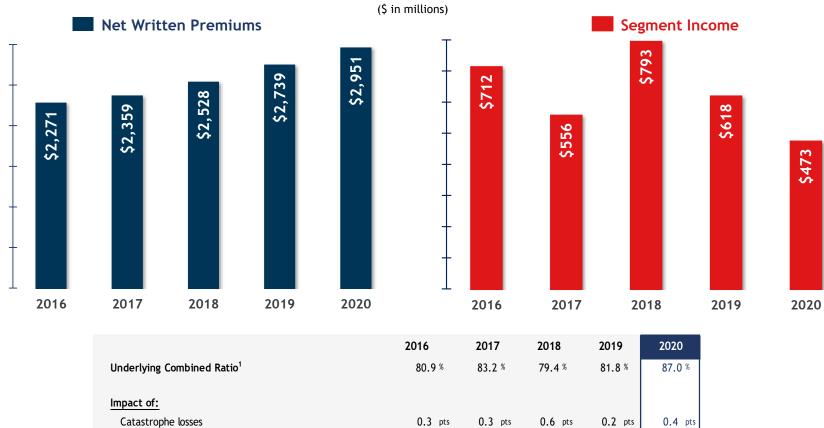
Bond & Specialty Insurance

2020 Net Written Premiums: \$3.0 Billion





Bond & Specialty Insurance



Impact of:
 0.3 pts
 0.3 pts
 0.6 pts
 0.2 pts
 0.4 pts

 Net favorable prior year reserve development
 (15.5) pts
 (6.1) pts
 (11.0) pts
 (2.5) pts
 - pts

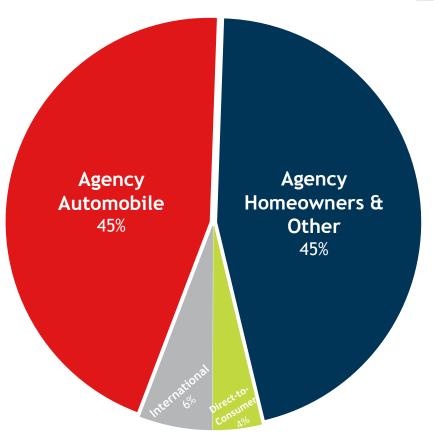
 Combined Ratio
 65.7 %
 77.4 %
 69.0 %
 79.5 %
 87.4 %



¹ Excludes catastrophe losses and prior year reserve development

Personal Insurance

2020 Net Written Premiums: **\$11.3 Billion**



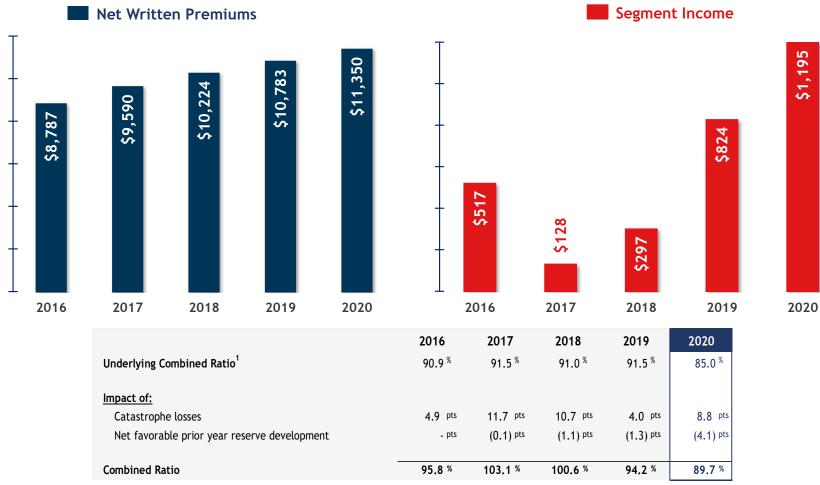
Personal Insurance

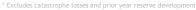
- Premier company within independent agent channel
- Full account solution provider with industry leading property results and strong position in the preferred market
- Competing successfully in a changing environment (Quantum 2.0)



Personal Insurance









Explanatory Note

This presentation contains, and management may make, certain "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. All statements, other than statements of historical facts, may be forward-looking statements. Words such as "may," "will," "should," "flikely," "anticipates," "expects," "intends," "plans," "projects," "views," "estimates" and similar expressions are used to identify these forward-looking statements. These statements include, among other things, the Company's statements about:

- the Company's outlook and its future results of operations and financial condition (including, among other things, anticipated premium volume, premium rates, renewal premium changes, underwriting margins and underlying underwriting margins, net and core income, investment income and performance, loss costs, return on equity, core return on equity and expected current returns, and combined ratios and underlying combined ratios);
- · the impact of COVID-19 and related economic conditions, including the potential impact on the Company's investments;
- the impact of legislative or regulatory actions or court decisions taken in response to COVID-19 or otherwise;
- share repurchase plans;
- future pension plan contributions:
- the sufficiency of the Company's asbestos and other reserves;
- the impact of emerging claims issues as well as other insurance and non-insurance litigation;
- the cost and availability of reinsurance coverage;
- catastrophe losses;
- the impact of investment (including changes in interest rates), economic (including inflation, changes in tax law, changes in commodity prices and fluctuations in foreign currency exchange rates) and underwriting market conditions;
- strategic and operational initiatives to improve profitability and competitiveness;
- the Company's competitive advantages;
- new product offerings
- · the impact of new or potential regulations imposed or to be imposed by the United States or other nations, including tariffs or other barriers to international trade; and
- the impact of developments in the tort environment, such as increased attorney involvement in insurance claims and legislation allowing victims of sexual abuse to file or proceed with claims that otherwise would have been time-barred.

The Company cautions investors that such statements are subject to risks and uncertainties, many of which are difficult to predict and generally beyond the Company's control, that could cause actual results to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements.

Some of the factors that could cause actual results to differ include, but are not limited to, the following:

- high levels of catastrophe losses, including as a result of factors such as increased concentrations of insured exposures in catastrophe-prone areas, could materially and adversely affect the Company's results of operations, its financial position and/or liquidity, and could adversely impact the Company's ratings, the Company's ability to raise capital and the availability and cost of reinsurance;
- if actual claims exceed the Company's claims and claim adjustment expense reserves, or if changes in the estimated level of claims and claim adjustment expense reserves are necessary, including as a result of, among other things, changes in the legal/tort, regulatory and economic environments in which the Company operates or the impacts of COVID-19, the Company's financial results could be materially and adversely affected;
- the impact of COVID-19 and related risks, including on the Company's distribution or other key partners, could materially affect the Company's results of operations, financial position and/or liquidity;
- during or following a period of financial market disruption or an economic downturn, such as the current environment, the Company's business could be materially and adversely affected;
- the Company's investment portfolio is subject to credit and interest rate risk, and may suffer reduced or low returns or material realized or unrealized losses, particularly in the current environment;
- the intense competition that the Company faces, and the impact of innovation, technological change and changing customer preferences on the insurance industry and the markets in which it operates, could harm its ability to maintain or increase its business volumes and its profitability;
- the Company's business could be harmed because of its potential exposure to asbestos and environmental claims and related litigation;
 disruptions to the Company's relationships with its independent agents and brokers or the Company's inability to manage effectively a changing distribution landscape could adversely affect the Company;
- . the Company is exposed to, and may face adverse developments involving, mass tort claims such as those relating to exposure to potentially harmful products or substances;
- the effects of emerging claim and coverage issues on the Company's business are uncertain, and court decisions or legislative or regulatory changes that take place after the Company issues its policies, including those taken in response to COVID-19 (such as effectively expanding workers' compensation coverage by instituting presumptions of compensability of claims for certain types of workers or requiring insurers to cover business interruption claims irrespective of terms, exclusions or other conditions included in the policies that would otherwise preclude coverage), can result in an unexpected increase in the number of claims and have a material adverse impact on the Company's results of operations;
- increase in the influence of catalist adverses injured. On the catalist adverses injured on the Company is especially reasonable rates or at all and the Company is exposed to credit risk related to its structured settlements; the Company may not be able to collect all amounts due to it from reinsurence coverage may not be available to the Company in the future at commercially reasonable rates or at all and the Company is exposed to credit risk related to its structured settlements;
- the Company is exposed to credit risk in certain of its insurance operations and with respect to certain guarantee or indemnification arrangements that it has with third parties, which risk is heightened in the current environment;
- within the United States, the Company's businesses are heavily regulated by the states in which it conducts business, including licensing, market conduct and financial supervision, and changes in regulation or regulatory actions (including those taken in response to COVID-19) may reduce the Company's profitability and limit its growth:
- a downgrade in the Company's claims-paying and financial strength ratings could adversely impact the Company's business volumes, adversely impact the Company's ability to access the capital markets and increase the Company's borrowing costs;
- the inability of the Company's insurance subsidiaries to pay dividends to the Company's holigations, pay future share repurchases;
- . the Company's efforts to develop new products, expand in targeted markets or improve business processes and workflows may not be successful and may create enhanced risks;
- the Company may be adversely affected if its pricing and capital models provide materially different indications than actual results;
- the Company's business success and profitability depend, in part, on effective information technology systems and on continuing to develop and implement improvements in technology, particularly as its business processes become more digital;
- if the Company experiences difficulties with technology, data and network security (including as a result of cyber attacks), outsourcing relationships or cloud-based technology, the Company's ability to conduct its business could be negatively impacted. This risk is heightened in the current environment where a majority of the Company's employees have shifted to a work from home arrangement;
- the Company is also subject to a number of additional risks associated with its business outside the United States, such as foreign currency exchange fluctuations (including with respect to the valuation of the Company's foreign investments and interests in joint ventures) and restrictive regulations as well as the risks and uncertainties associated with the United Kingdom's withdrawal from the European Union;
- regulatory changes outside of the United States, including in Canada, the United Kingdom, the Republic of Ireland and the European Union, could adversely impact the Company's results of operations and limit its growth;
- loss of or significant restrictions on the use of particular types of underwriting criteria, such as credit scoring, or other data or methodologies, in the pricing and underwriting of the Company's products could reduce the Company's future profitability;
- acquisitions and integration of acquired businesses may result in operating difficulties and other unintended consequences;
- the Company could be adversely affected if its controls designed to ensure compliance with guidelines, policies and legal and regulatory standards are not effective;
- the Company's businesses may be adversely affected if it is unable to hire and retain qualified employees;
- intellectual property is important to the Company's business, and the Company may be unable to protect and enforce its own intellectual property or the Company may be subject to claims for infringing the intellectual property of others;
- changes in federal regulation could impose significant burdens on the Company, and otherwise adversely impact the Company's results;
- changes in U.S. tax laws or in the tax laws of other jurisdictions where the Company operates could adversely impact the Company; and
- the Company's share repurchase plans depend on a variety of factors, including the Company's financial position, earnings, share price, catastrophe losses, maintaining capital levels commensurate with the Company's desired ratings from independent rating agencies, changes in levels of written premiums, funding of the Company's qualified pension plan, capital requirements of the Company's operating subsidiaries, legal requirements, regulatory constraints, other investment opportunities (including mergers and acquisitions and related financings), market conditions and other factors, including the ongoing level of uncertainty related to COVID-19.

Our forward-looking statements speak only as of the date of this presentation or as of the date they are made, and we undertake no obligation to update forward-looking statements. For a more detailed discussion of these factors, see the information under the captions "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations" in our most recent annual report on Form 10-K filed with the SEC on February 11, 2021, in each case as updated by our periodic filings with the SEC.



Disclosure

In this presentation, we may refer to some non-GAAP financial measures. For a reconciliation of these measures to the most comparable GAAP measures and a glossary of financial measures, we refer you to the press release and financial supplement that we have made available in connection with this presentation and our most recent annual report on Form 10-K filed with the Securities and Exchange Commission (SEC) as updated by our subsequent periodic filings with the SEC. See the "Investors" section at <u>Travelers.com</u>.

For further information, please see Travelers reports filed with the SEC pursuant to the Securities Exchange Act of 1934 which are available at the SEC's website (www.sec.gov).

Copies of this presentation and the accompanying webcast are publicly available on the Travelers website (www.travelers.com). This presentation should be read with the accompanying webcast and related press release and financial supplement.

Travelers may use its website and/or social media outlets, such as Facebook and Twitter, as distribution channels of material information. Financial and other important information regarding the company is routinely accessible through and posted on our website at http://investor.travelers.com, our Facebook page at https://twitter.com/Travelers. In addition, you may automatically receive email alerts and other information about Travelers when you enroll your email address by visiting the Email Notification section at http://investor.travelers.com.



The following measures are used by the Company's management to evaluate financial performance against historical results, to establish performance targets on a consolidated basis and for other reasons as discussed below. In some cases, these measures are considered non-GAAP financial measures under applicable SEC rules because they are not displayed as separate line items in the consolidated financial statements or are not required to be disclosed in the notes to financial statements or, in some cases, include or exclude certain items not ordinarily included or excluded in the most comparable GAAP financial measure. Reconciliations of these measures to the most comparable GAAP measures also follow.

In the opinion of the Company's management, a discussion of these measures provides investors, financial analysts, rating agencies and other financial statement users with a better understanding of the significant factors that comprise the Company's periodic results of operations and how management evaluates the Company's financial performance.

Some of these measures exclude net realized investment gains (losses), net of tax, and/or net unrealized investment gains (losses), net of tax, included in shareholders' equity, which can be significantly impacted by both discretionary and other economic factors and are not necessarily indicative of operating trends.

Other companies may calculate these measures differently, and, therefore, their measures may not be comparable to those used by the Company's management.

RECONCILIATION OF NET INCOME TO CORE INCOME AND CERTAIN OTHER NON-GAAP MEASURES

Core income (loss) is consolidated net income (loss) excluding the after-tax impact of net realized investment gains (losses), discontinued operations, the effect of a change in tax laws and tax rates at enactment, and cumulative effect of changes in accounting principles when applicable. Segment income (loss) is determined in the same manner as core income (loss) on a segment basis. Management uses segment income (loss) to analyze each segment's performance and as a tool in making business decisions. Financial statement users also consider core income (loss) when analyzing the results and trends of insurance companies. Core income (loss) per share is core income (loss) on a per common share basis.

Reconciliation of Net Income to Core Income less Preferred Dividends

	Three Mor			1	Twelve Mor Decemb	
(\$ in millions, after-tax)	 2020	2	019		2020	2019
Net income	\$ 1,310	\$	873	\$	2,697	\$ 2,622
Adjustments:						
Net realized investment gains	(48)		(6)		(11)	(85)
Core income	\$ 1,262	\$	867	\$	2,686	\$ 2,537

						Twelve	Months End	led Decembe	r 31,					
(\$ in millions, after-tax)	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005
Net income	\$ 2,523	\$ 2,056	\$ 3,014	\$ 3,439	\$ 3,692	\$ 3,673	\$ 2,473	\$ 1,426	\$ 3,216	\$ 3,622	\$ 2,924	\$ 4,601	\$ 4,208	\$ 1,622
Less: Loss from discontinued operations	-	-	-	-	-	-	-	-	-	-	-	-	-	(439)
Income from continuing operations	2,523	2,056	3,014	3,439	3,692	3,673	2,473	1,426	3,216	3,622	2,924	4,601	4,208	2,061
Adjustments:														
Net realized investment (gains) losses	(93)	(142)	(47)	(2)	(51)	(106)	(32)	(36)	(173)	(22)	271	(101)	(8)	(35)
Impact of TCJA at enactment (1)	-	129	-	-	-	-	-	-	-	-	-	-	-	-
Core income	2,430	2,043	2,967	3,437	3,641	3,567	2,441	1,390	3,043	3,600	3,195	4,500	4,200	2,026
Less: Preferred dividends	-	-	-	-	-	-	-	1	3	3	4	4	5	6
Core income, less preferred dividends	\$ 2,430	\$ 2,043	\$ 2,967	\$ 3,437	\$ 3,641	\$ 3,567	\$ 2,441	\$ 1,389	\$ 3,040	\$ 3,597	\$ 3,191	\$ 4,496	\$ 4,195	\$ 2,020





Reconciliation of Segment Income to Total Core Income

	٦	Three Mon Decemb			Т	welve Mor Decemb	nths Ended per 31,		
(\$ in millions, after-tax)		2020	2	019		2020		2019	
Business Insurance	Ś	713	Ś	448	S	1,309	S	1,392	
Bond & Specialty Insurance	*	164	*	167	~	473	~	618	
Personal Insurance		457		327		1,195		824	
Total segment income		1,334		942		2,977		2,834	
Interest Expense and Other		(72)		(75)		(291)		(297)	
Total core income	\$	1,262	\$	867	\$	2,686	\$	2,537	

			7	welve mo	nths	ended De	ecem	ber 31,		
(\$ in millions, after-tax)		2020		2019		2018		2017		2016
Business Insurance	Ś	1,309	Ś	1,392	Ś	1,638	Ś	1,613	Ś	1,982
Bond & Specialty Insurance	•	473	•	618	•	793	•	556	•	712
Personal Insurance		1,195		824		297		128		517
Total segment income		2,977		2,834		2,728		2,297		3,211
Interest Expense and Other		(291)		(297)		(298)		(254)		(244)
Total core income	\$	2,686	\$	2,537	\$	2,430	\$	2,043	\$	2,967



RECONCILIATION OF SHAREHOLDERS' EQUITY TO ADJUSTED SHAREHOLDERS' EQUITY AND CALCULATION OF RETURN ON EQUITY AND CORE RETURN ON EQUITY

Adjusted shareholders' equity is shareholders' equity excluding net unrealized investment gains (losses), net of tax, included in shareholders' equity, net realized investment gains (losses), net of tax, for the period presented, the effect of a change in tax laws and tax rates at enactment (excluding the portion related to net unrealized investment gains (losses)), preferred stock and discontinued operations.

Reconciliation of Shareholders' Equity to Adjusted Shareholders' Equity

								As	of December	31,						
(\$ in millions)	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005
Shareholders' equity Adjustments:	\$ 29,201	\$ 25,943	\$ 22,894	\$ 23,731	\$ 23,221	\$ 23,598	\$ 24,836	\$ 24,796	\$ 25,405	\$ 24,477	\$ 25,475	\$ 27,415	\$ 25,319	\$ 26,616	\$ 25,135	\$ 22,303
Net unrealized investment (gains) losses, net of tax, included in shareholders' equity	(4,074)	(2,246)	113	(1,112)	(730)	(1,289)	(1,966)	(1,322)	(3,103)	(2,871)	(1,859)	(1,856)	146	(620)	(453)	(327)
Net realized investment (gains) losses, net of tax	(11)	(85)	(93)	(142)	(47)	(2)	(51)	(106)	(32)	(36)	(173)	(22)	271	(101)	(8)	(35)
Impact of TCJA at enactment Preferred stock				287							(68)	(79)	(89)	(112)	(129)	(153)
Loss from discontinued operations						-										439
Adjusted shareholders' equity	\$ 25,116	\$ 23,612	\$ 22,914	\$ 22,764	\$ 22,444	\$ 22,307	\$ 22,819	\$ 23,368	\$ 22,270	\$ 21,570	\$ 23,375	\$ 25,458	\$ 25,647	\$ 25,783	\$ 24,545	\$ 22,227

Return on equity is the ratio of annualized net income less preferred dividends to average shareholders' equity for the periods presented. Core return on equity is the ratio of annualized core income less preferred dividends to adjusted average shareholders' equity for the periods presented. In the opinion of the Company's management, these are important indicators of how well management creates value for its shareholders through its operating activities and its capital management.

Average shareholders' equity is (a) the sum of total shareholders' equity excluding preferred stock at the beginning and end of each of the quarters for the period presented divided by (b) the number of quarters in the period presented times two. Adjusted average shareholders' equity is (a) the sum of total adjusted shareholders' equity at the beginning and end of each of the quarters for the period presented divided by (b) the number of quarters in the period presented times two.

Calculation of Return on Equity and Core Return on Equity

	Three Mon Decemi	=	Twelve Moi Decen	nths Ended nber 31,
(\$ in millions, after-tax)	2020	2019	2020	2019
Annualized net income	\$ 5,236	\$ 3,490	\$ 2,697	\$ 2,622
Average shareholders' equity	28,525	25,775	26,892	24,922
Return on equity	18.4%	13.5%	10.0%	10.5%
Annualized core income	\$ 5,044	\$ 3,468	\$ 2,686	\$ 2,537
Adjusted average shareholders' equity	24,558	23,472	23,790	23,335
Core return on equity	20.5%	14.8%	11.3%	10.9%



Average annual core return on equity over a period is the ratio of:

- a) the sum of core income less preferred dividends for the periods presented to
- b) the sum of: 1) the sum of the adjusted average shareholders' equity for all full years in the period presented, and 2) for partial years in the period presented, the number of quarters in that partial year divided by four, multiplied by the adjusted average shareholders' equity of the partial year.

Calculation of Core Return on Equity

							Twe	elve Months Er	nded December	31,						
(\$ in millions)	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005
Core income, less preferred dividends	\$ 2,686	\$ 2,537	\$ 2,430	\$ 2,043	\$ 2,967	\$ 3,437	\$ 3,641	\$ 3,567	\$ 2,441	\$ 1,389	\$ 3,040	\$ 3,597	\$ 3,191	\$ 4,496	\$ 4,195	\$ 2,020
Adjusted average shareholders' equity	23,790	23,335	22,814	22,743	22,386	22,681	23,447	23,004	22,158	22,806	24,285	25,777	25,668	25,350	23,381	21,118
Core return on equity	11.3%	10.9%	10.7%	9.0%	13.3%	15.2%	15.5%	15.5%	11.0%	6.1%	12.5%	14.0%	12.4%	17.7%	17.9%	9.6%

COMBINED RATIO AND ADJUSTMENTS FOR UNDERLYING COMBINED RATIO

Combined ratio: For Statutory Accounting Practices (SAP), the combined ratio is the sum of the SAP loss and LAE ratio and the SAP underwriting expense ratio as defined in the statutory financial statements required by insurance regulators. The combined ratio as used in this presentation is the equivalent of, and is calculated in the same manner as, the SAP combined ratio except that the SAP underwriting expense ratio is based on net *written* premiums and the underwriting expense ratio as used in this presentation is based on net *earned* premiums.

For SAP, the loss and LAE ratio is the ratio of incurred losses and loss adjustment expenses less certain administrative services fee income to net *earned* premiums as defined in the statutory financial statements required by insurance regulators. The loss and LAE ratio as used in this presentation is calculated in the same manner as the SAP ratio.

For SAP, the underwriting expense ratio is the ratio of underwriting expenses incurred (including commissions paid), less certain administrative services fee income and billing and policy fees and other, to net *written* premiums as defined in the statutory financial statements required by insurance regulators. The underwriting expense ratio as used in this presentation, is the ratio of underwriting expenses (including the amortization of deferred acquisition costs), less certain administrative services fee income, billing and policy fees and other, to net *earned* premiums.

The combined ratio, loss and LAE ratio, and underwriting expense ratio are used as indicators of the Company's underwriting discipline, efficiency in acquiring and servicing its business and overall underwriting profitability. A combined ratio under 100% generally indicates an underwriting profit. A combined ratio over 100% generally indicates an underwriting loss.

Underlying combined ratio represents the combined ratio excluding the impact of net prior year reserve development and catastrophes. The underlying combined ratio is an indicator of the Company's underwriting discipline and underwriting profitability for the current accident year.



A catastrophe is a severe loss designated a catastrophe by internationally recognized organizations that track and report on insured losses resulting from catastrophic events, such as Property Claim Services (PCS) for events in the United States and Canada. Catastrophes can be caused by various natural events, including, among others, hurricanes, tornadoes and other windstorms, earthquakes, hail, wildfires, severe winter weather, floods, tsunamis, volcanic eruptions and other naturally-occurring events, such as solar flares. Catastrophes can also be man-made, such as terrorist attacks and other intentionally destructive acts including those involving nuclear, biological, chemical and radiological events, cyber events, explosions and destruction of infrastructure. Each catastrophe has unique characteristics and catastrophes are not predictable as to timing or amount. Their effects are included in net and core income and claims and claim adjustment expense reserves upon occurrence. A catastrophe may result in the payment of reinsurance reinstatement premiums and assessments from various pools.

The Company's threshold for disclosing catastrophes is primarily determined at the reportable segment level. If a threshold for one segment or a combination thereof is exceeded and the other segments have losses from the same event, losses from the event are identified as catastrophe losses in the segment results and for the consolidated results of the Company. Additionally, an aggregate threshold is applied for international business across all reportable segments. The threshold for 2020 ranges from approximately \$20 million of losses before reinsurance and taxes.

Net favorable (unfavorable) prior year loss reserve development is the increase or decrease in incurred claims and claim adjustment expenses as a result of the re-estimation of claims and claim adjustment expense reserves at successive valuation dates for a given group of claims, which may be related to one or more prior years. In the opinion of the Company's management, a discussion of loss reserve development is meaningful to users of the financial statements as it allows them to assess the impact between prior and current year development on incurred claims and claim adjustment expenses, net and core income (loss), and changes in claims and claim adjustment expense reserve levels from period to period.

Other companies' method of computing similarly titled measures may not be comparable to the Company's method of computing these ratios

Calculation of the Combined Ratio

	Т	hree Mor	nths	Ended		Twe	lve Months Er	nded	
		Decem	ber	31,			December 31	,	
(\$ in millions)		2020		2019	2020	2019	2018	2017	2016
Loss and loss adjustment expense ratio									
Claims and claim adjustment expenses	\$	4,341	\$	4,640	\$ 19,123	\$ 19,133	\$ 18,291	\$ 17,467	\$ 15,070
Less:									
Policyholder dividends		10		10	41	47	52	51	48
Allocated fee income		41		42	161	174	154	162	168
Loss ratio numerator	\$	4,290	\$	4,588	\$ 18,921	\$ 18,912	\$ 18,085	\$ 17,254	\$ 14,854
Underwriting expense ratio									
Amortization of deferred acquisition costs	\$	1,215	\$	1,181	\$ 4,773	\$ 4,601	\$ 4,381	\$ 4,166	\$ 3,985
General and administrative expenses (G&A)		1,142		1,085	4,509	4,365	4,297	4,170	4,154
Less:									
Non-insurance G&A		67		56	234	201	159	77	31
Allocated fee income		65		71	268	285	278	285	290
Billing and policy fees and other		28		27	97	108	93	88	89
Expense ratio numerator	\$	2,197	\$	2,112	\$ 8,683	\$ 8,372	\$ 8,148	\$ 7,886	\$ 7,729
Earned premium	\$	7,480	\$	7,250	\$ 29,044	\$ 28,272	\$ 27,059	\$ 25,683	\$ 24,534
Combined ratio (1)									
Loss and loss adjustment expense ratio		57.3%		63.3%	65.1%	66.9%	66.8%	67.2%	60.5%
Underwriting expense ratio		29.4%		29.1%	29.9%	29.6%	30.1%	30.7%	31.5%
Combined ratio		86.7%		92.4%	95.0%	96.5%	96.9%	97.9%	92.0%



⁽¹⁾ For purposes of computing ratios, billing and policy fees and other (which are a component of other revenues) are allocated as a reduction of underwriting expenses. In addition, fee income is allocated as a reduction of losses and loss adjustment expenses and underwriting expenses, and accordingly are excluded in calculating the combined ratio.

RECONCILIATION OF BOOK VALUE PER SHARE AND SHAREHOLDERS' EQUITY TO CERTAIN NON-GAAP MEASURES

Book value per share is total common shareholders' equity divided by the number of common shares outstanding. Adjusted book value per share is total common shareholders' equity excluding net unrealized investment gains and losses, net of tax, included in shareholders' equity, and preferred stock, divided by the number of common shares outstanding. In the opinion of the Company's management, adjusted book value per share is useful in an analysis of a property casualty company's book value per share as it removes the effect of changing prices on invested assets (i.e., net unrealized investment gains (losses), net of tax), which do not have an equivalent impact on unpaid claims and claim adjustment expense reserves.

Reconciliation of Shareholders' Equity to Common Shareholders' Equity, Excluding Net Unrealized Investment Gains (Losses), Net of Tax

							of ber 31,					
(\$ in millions, except per share amounts)	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
Shareholders' equity	\$ 29,201	\$ 25,943	\$ 22,894	\$ 23,731	\$ 23,221	\$ 23,598	\$ 24,836	\$ 24,796	\$ 25,405	\$ 24,477	\$ 25,475	\$ 27,415
Less: Net unrealized investment gains (losses), net of tax, included in shareholders' equity	4,074	2,246	(113)	1,112	730	1,289	1,966	1,322	3,103	2,871	1,859	1,856
Preferred stock		-	-	-	-	-	-	-	-	-	68	79
Common shareholders' equity, excluding net unrealized investment gains (losses), net of tax	\$ 25,127	\$ 23,697	\$ 23,007	\$ 22,619	\$ 22,491	\$ 22,309	\$ 22,870	\$ 23,474	\$ 22,302	\$ 21,606	\$ 23,548	\$ 25,480
Common shares outstanding	252.4	255.5	263.6	271.4	279.6	295.9	322.2	353.5	377.4	392.8	434.6	520.3
Book value per share	\$ 115.68	\$ 101.55	\$ 86.84	\$ 87.46	\$ 83.05	\$ 79.75	\$ 77.08	\$ 70.15	\$ 67.31	\$ 62.32	\$ 58.47	\$ 52.54
Adjusted book value per share	99.54	92.76	87.27	83.36	80.44	75.39	70.98	66.41	59.09	55.01	54.19	48.98

Reconciliation of Pre-tax Net Investment Income to After-tax Net Investment Income

(\$ in millions)	20	020 ¹	2	019 ¹	4Q	2020	3Q	2020	2Q	2020	1Q	2020	4Q	2019	3Q	2019	2Q	2019	1Q	2019
Pre-tax net investment income Net investment income tax expense	\$	557 80	\$	617 93	\$	677 105	\$	671 105	\$	268 17	\$	611 92	\$	616 91	\$	622 94	\$	648 100	\$	582 86
After-tax net investment income	\$	477	\$	524	\$	572	\$	566	\$	251	\$	519	\$	525	\$	528	\$	548	\$	496

¹ 2019 and 2020 data represent quarterly average

OTHER DEFINITIONS

Gross written premiums reflect the direct and assumed contractually determined amounts charged to policyholders for the effective period of the contract based on the terms and conditions of the insurance contract. Net written premiums reflect gross written premiums less premiums ceded to reinsurers.

For a glossary of other financial terms used in this presentation, we refer you to the Company's most recent annual report on Form 10-K filed with the SEC.





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