

PRICING EVOLUTION

Southeastern Actuaries Conference

November 19th, 2020 Simon Gervais, ASA

AGENDA

1	Regulatory and economic landscape
2	Macro update
3	Annuity update
4	Life update
5	Key takeaways



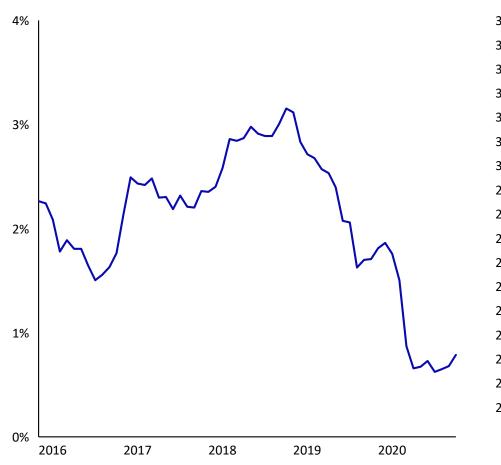
REGULATORY AND ECONOMIC LANDSCAPE

ECONOMIC CONDITIONS ARE VOLATILE

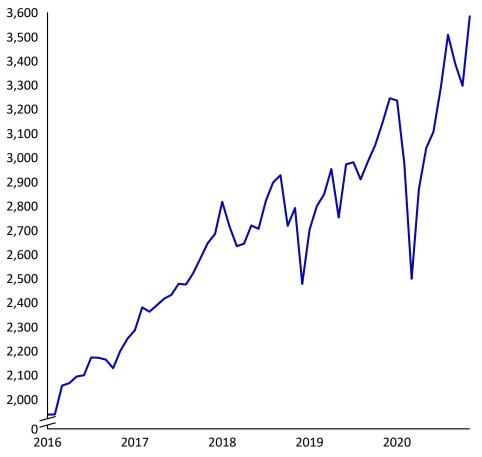
Interest rates have been steadily declining since the end of 2018; equity markets have been performing well despite significant dips

Yield curve and equity returns

10-Year Treasury Rates



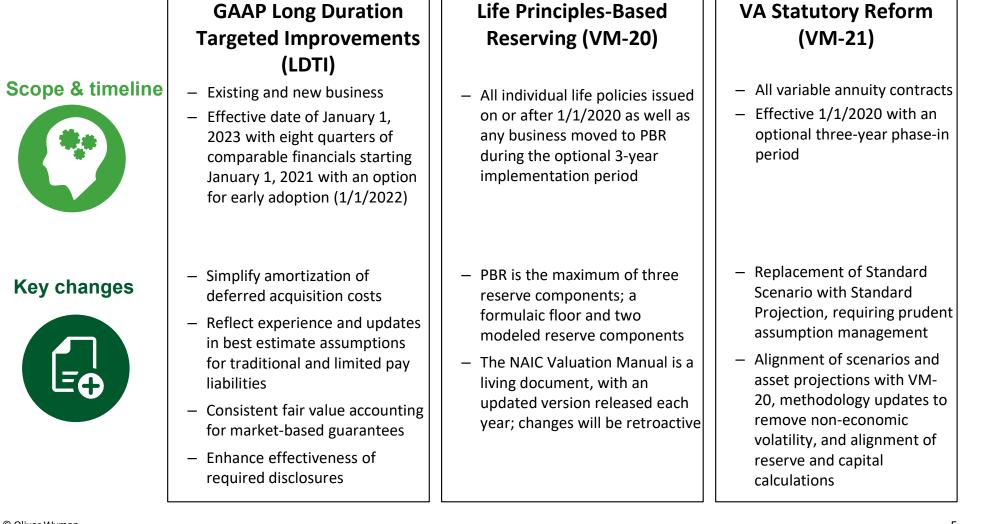
S&P 500 Index Value



SIGNIFICANT REGULATORY CHANGES ARE HAPPENING

Statutory and GAAP reserving are undergoing significant enhancements

Regulatory updates





INSURERS ARE ASSUMING A RETURN TO NORMAL IN THEIR EARNED RATE

Life and other renewal premium products are largely priced using a portfolio rate, however grading to an ultimate earned rate foe life and annuity products has increased from 28% in 2019 to 38% in 2020



PROFITABILITY TARGETS ARE NOT BEING MET

Expected profitability on interest-sensitive products other than indexed universal life has declined from 2019; fixed annuities, indexed annuities, variable annuities, UL and term are pressured relative to 2019

Summary of product profitability

	2020				2019				Change (2020 - 2019) ¹			
	IRR Expectation			IRR Expectation			IRR	Expectation				
	Average	Below	Meet	Exceed	Average	Below	Meet	Exceed	Average	Below	Meet	Exceed
Fixed annuities									-1%	6%	-8%	2%
Indexed annuities									0%	16%	-9%	-7%
Variable annuities									0%	11%	-15%	4%
Indexed UL									0%	-4%	-4%	8%
UL									0%	15%	-15%	0%
Variable UL									0%	17%	-28%	11%
Term									-1%	10%	-3%	-7%
Whole life									-1%	-1%	-1%	2%

¹Color key: Green for favorable pricing trend and red for unfavorable

Source: 2020 Oliver Wyman US Life Insurance Pricing Survey $\ensuremath{\mathbb{C}}$ Oliver Wyman

INSURERS ARE INCREASINGLY REFLECTING THE BENEFITS OF REINSURANCE

Usage of reinsurance continues to increase and the proportion of participants reporting favorable impacts is also increasing. Favorability of reinsurance for term products declined, which we believe to be due to the loss of tax leveraged financial reinsurance solutions for redundant reserves upon moving to PBR.

Use and impact of reinsurance

		2020	2	2019	Change (2020 - 2019)		
	% reflecting reinsurance	% view reinsurance as a benefit	% reflecting reinsurance	% view reinsurance as a benefit	% reflecting reinsurance	% view reinsurance as a benefit	
Fixed annuities	13%	92%	10%	88%	3%	4%	
Indexed annuities	40%	100%	38%	95%	2%	5%	
Variable annuities	9%	N/A	3%	N/A	6%	N/A	
Indexed UL	96%	48%	95%	42%	1%	6%	
UL	88%	49%	88%	39%	0%	10%	
Variable UL	86%	48%	86%	46%	0%	2%	
Term	88%	52%	86%	63%	2%	-11%	
Whole life	56%	43%	52%	39%	4%	4%	



ANNUITY UPDATE

INNOVATION IN THE US ANNUITIES MARKET

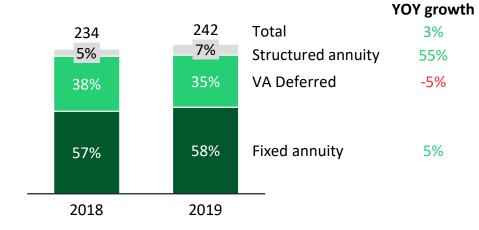
Structured annuities have experienced high growth in US for the past few years, though still a small portion of the overall annuities market

Annuity market overview

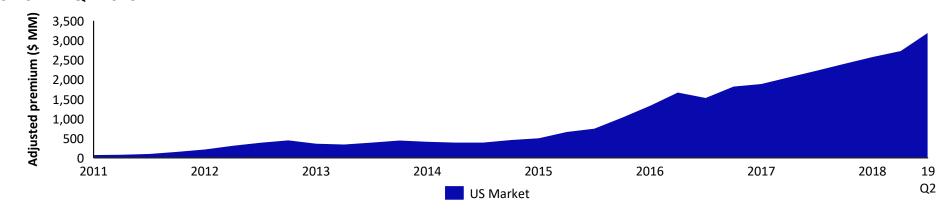
Market growth

- The structured deferred annuity market is growing fast
- The product combines limited downside protection with capped upside, occupying a middle ground between fixed and variable annuities

US annuity sales by types 2018-2019, USD BN

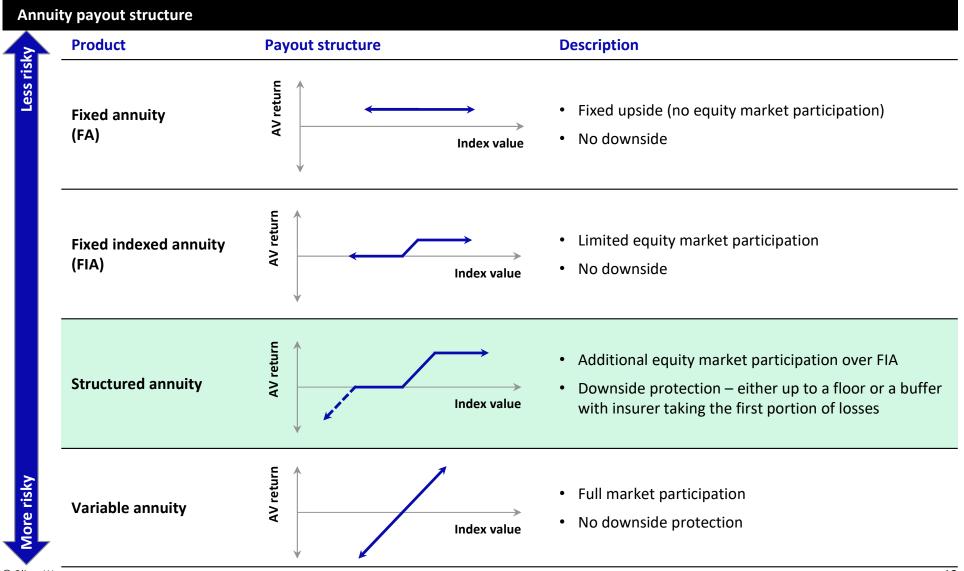


Quarterly sales for structured deferred annuities Q3 2011 – Q2 2019



ANNUITY PAYOUT STRUCTURE IS HIGHLY RELEVANT

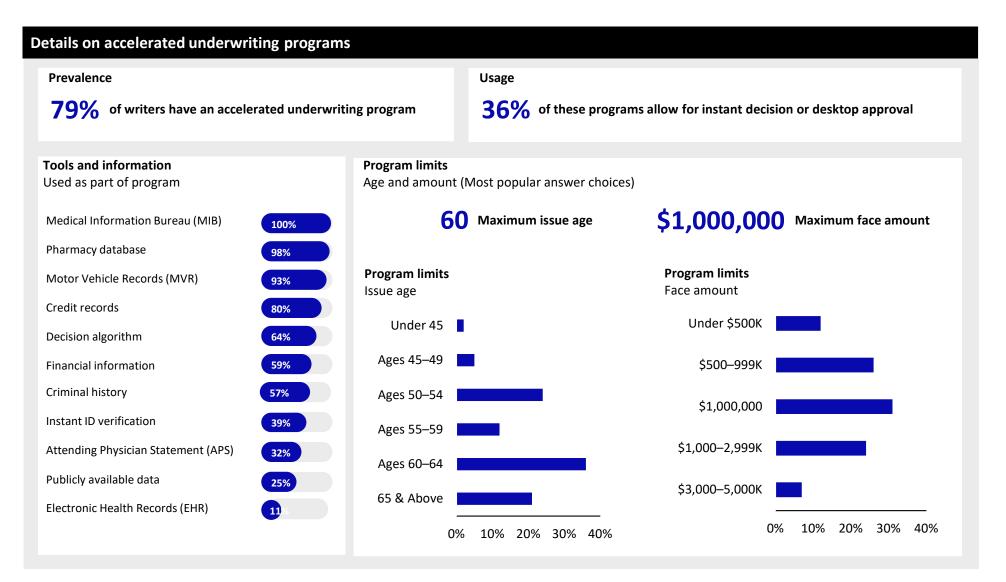
Structured deferred products represent the most significant annuity innovation of recent years, which fills the gap between FIAs and VAs in terms of risk spectrum





ACCELERATED UNDERWRITING PROGRAMS ARE INCREASINGLY PRESENT

Writers are becoming more comfortable with their accelerated underwriting programs and are expanding their application



LIFE WRITERS ARE LOOKING TO REDUCE NOISE IN PROFIT ANALYSIS UNDER PBR

Carriers are gaining better understanding of the impact of PBR on their business and have begun reflecting them in their pricing exercise



Source: 2020 Oliver Wyman US Life Insurance PBR Survey ${\ensuremath{\mathbb C}}$ Oliver Wyman

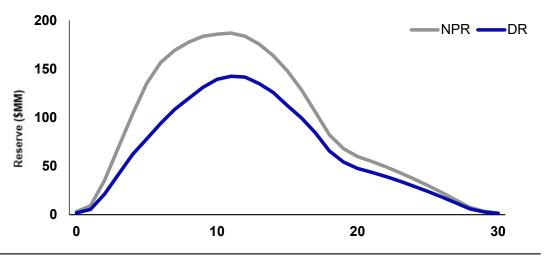
ILLUSTRATIVE EXAMPLE

Two products within the same model segment can have significantly different reserve patterns

Illustrative PBR reserves

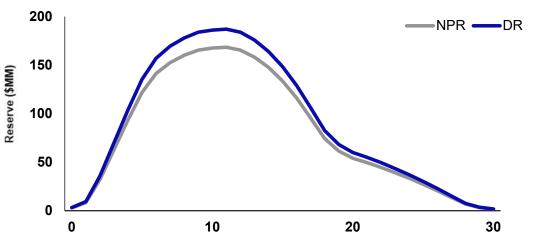
Product A

- The NPR is the dominant reserve throughout the projection
- The NPR is significantly greater than the DR



Product B

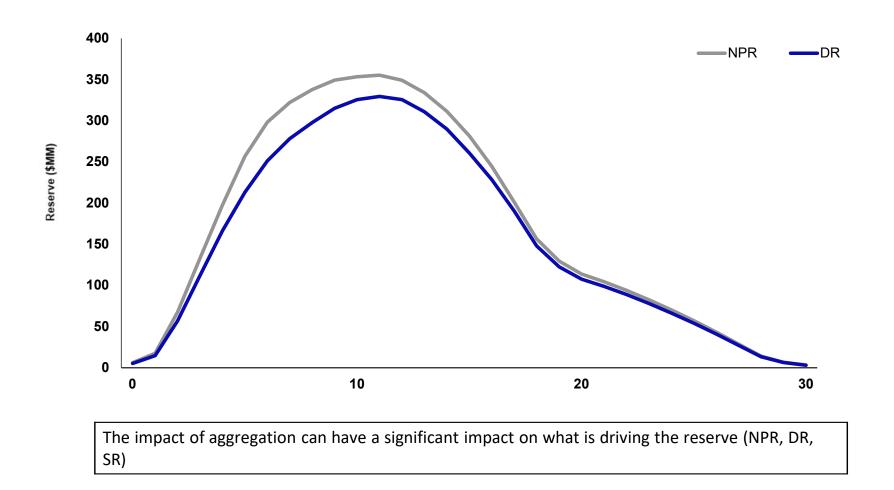
- The DR is the dominant reserve throughout the projection
- The NPR and DR are relatively close throughout the projection



ILLUSTRATIVE EXAMPLE

When aggregated, the NPR is the dominant reserve for the model segment

Illustrative PBR reserves





KEY TAKEAWAYS

1	New business profitability is pressured by current economic conditions
2	Carriers are finding ways to stand out through innovative product strategy
3	Writers are gaining a better understanding of regulatory changes and refining the way they are reflected in pricing models