

Trends & Innovation

- Investment assets:
 - Monoasset > Multiasset
 - Static > Dynamic
 - Risk management
- Simple, transparent products
- Personalisation of Risk





Innovation from the: US Insurance Industry

J.P. Steele Partner Alpha Artists, LLC Index Methodologies, LLC

The U.S. Demographics, Retirement Planning

- U.S. Trends DB Plans
 - 10,000 Americans turn 65 daily or 4,000,000 annually¹
 - In 1998, 90% of the Fortune 100 companies offered DB plans to new salaried employees³
 - Down 43% in 2009, Down 37% in 2010, Down 33% in 2011.
- · U.S. Trends DC Plans
 - As of 30/6/2012, 19% of Fortune 100 companies offered "hybrid" DB/DC plans³
 - 7 companies out of Fortune100 now offer traditional DBs to new employees
 - In 2012, 68% of Fortune 100 companies offered <u>only</u> a DC plan to new salaried workers
 - 401k vehicles dominate
 - 41% of plans feature employer matching contributions
 - 56% allow both matching and nonmatching contributions

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The U.S. Annuity Industry

- U.S. Annuity Market Size
- Market Segmentation
- Different types of U.S. Products
- Innovation: Fixed Index Annuities
 - Pre-Crisis product offering
 - What changed?
 - Transformational features
 - Impact

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¹ The Washington Post, 24/7/2014, ² Statistic Brain, <u>www.statisticbrain.com</u>, ³ <u>www.workforce.com</u>, Towers Watson

The U.S. Annuity Industry

- Current Level of Annual Annuity Sales³
 - 2013: \$230.1 Billion in new sales (5% Y/o/Y Growth)
 - 2014 (6 months): \$119.5 Billion in new sales (10% Y/o/Y Growth)
- The Quarterly Annuity Sales Growth Profile³
 - 4Q13: 17% Growth (largest in 11 Years), \$1.7B increase from prior quarter
 - 1Q14: 11% increase Y/o/Y
 - 2Q14: 8% increases Y/o/Y
- · All accomplished in ultra low market interest rates

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Market Segmentation

- Accumulation
- Accumulation/Income
- Income

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US-UK	Sales/Growth	Product	Comparison
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US PRODUCTS	Sales 2013 (£B)	% ∆	UK PRODUCTS (~Equivalent)
Variable Annuity	91.9	(2%)	Unit Linked Funds
Fixed-Rate Deferred Annuities	18.1	19%	Continental With Profits
Deferred Annuities	42.9	17%	Continental With Profits
Income Annuities Single Premium Immediate Annuity	5.2	8%	Fixed Annuities
<u>Deferred</u> Income Annuities	1.4	113%	Deferred Annuities (Institutional DB)
N/A	-	-	UK With Profits
Fixed Index Annuities	24.6	16%	N/A

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Fixed Index Annuity: Pre-Crisis

- USD\$25 billion per year in sales
- High agent level commissions (i.e., 8-14%)
- Premium bonuses present (5-7% average)
- Two investment choices
 - 1. Fixed account
 - 2. M-T-M or Annual reset S&P500 w/o dividends (SPX)
 - All SPX index credits were capped due to hedging structures
 - Market caps were 3.00-3.5% annually
- Variable annuity market had crashed
 - Policyholder accumulated values significantly depressed
 - Insurer hedges suffering
 - Generous policy benefits pulled

Fixed Index Annuity: What changed?

- 2009: Common Investment Themes
 - Consumers willing to give up high returns in exchange for downside protection
 - Reasonable growth rates accepted ("new norm")
 - Flexibility prized
 - Choices are highly valued
 - Consumers horrified by financial and economic volatility
 - Consumers need income choices to address low market interest rates, demographics and devastated investment balances
 - Finally, consumers want protection
 - Product development begins....

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Transformational features

- April 2012 "Total Value Annuity" Launched featuring
 - 8-10% premium bonus (varies by resident state)
 - Stacked accumulated interest concept
 - GLWB rider with highest guaranteed income, increasing annually
 - · Annuitants choose income start date with know income factors
 - Income can be started, stopped and restarted (once)
 - Guaranteed Minimum Death Benefit
 - Guaranteed minimum annual credited interest rate (1-3%)
 - Penalty-free partial withdrawals of up to 10% annually
 - 100% Terminal Illness Withdrawal Waiver
 - 100% Nursing Home Waiver
 - Surrender chargers for 10 years
 - Principal protected, accumulated values never go down

Impact

- Total Value Annuity interest crediting options:
 - Fixed Account
 - Annual PTP SPX
 - RBS custom proprietary investment index added:
 - 100% formulaic, rules-based
 - · Uncapped return profile
 - 5 year investment horizon structure
 - RBS Volatility Control Overlay added onto index targeting 7.50% annual volatility to stabilize performance profile
 - · Low correlation to equities
- Sales after 30 months: USD\$5.7B

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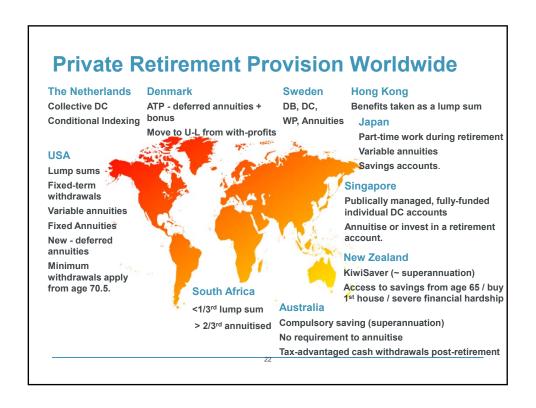
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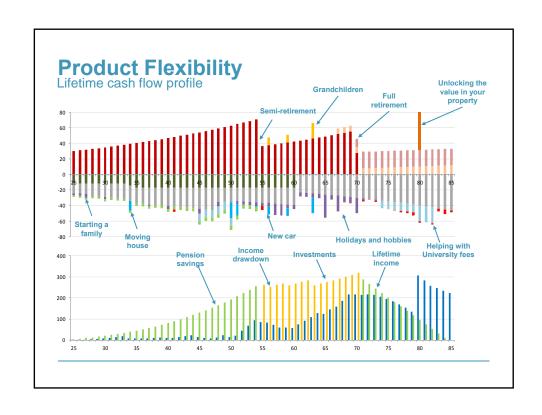
Transformation Continues

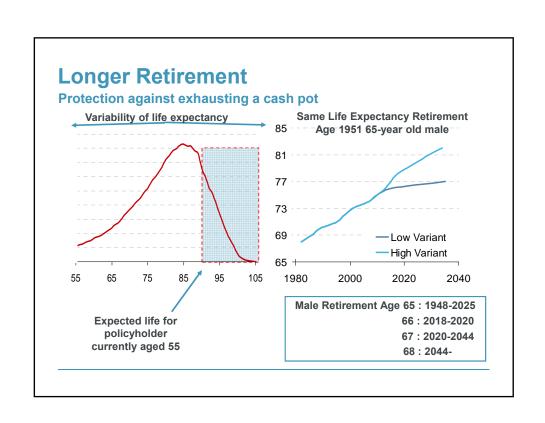
- 306 Index Annuities Segmented By Product
- 1,632 Index Annuity Strategies Segmented By Index Crediting Method
- 24 custom proprietary investment indices launched in the last 30 months
- 48 life insurers issuing FIAs (doubled)
- 2014 Fixed Index Annuity premium -> expected to exceed USD\$50 Billion from USD\$25 Billion in 2009

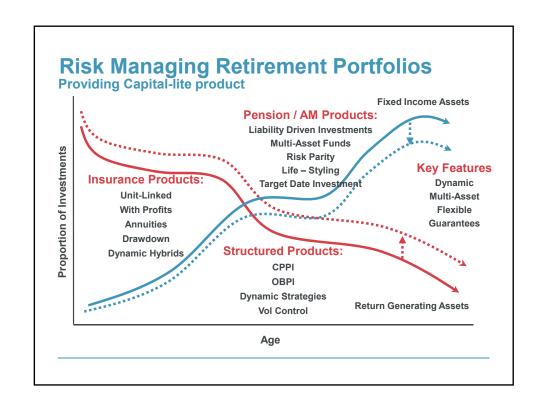
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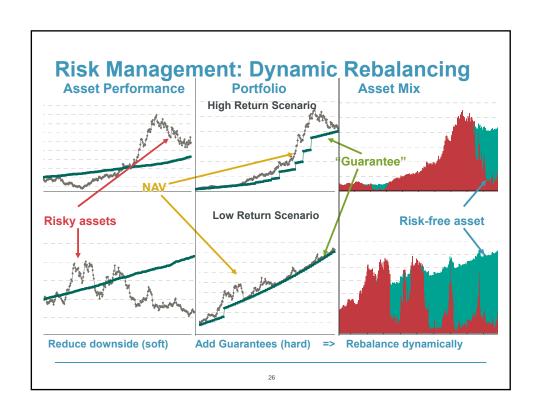
Other Innovations & Current Themes & Modifications



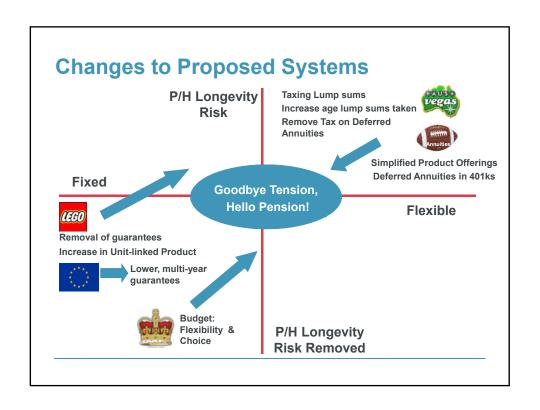








Country	Biased Towards	Biased Against	
US	Investment Choice	Longevity Risk	
	Guarantee Complexity		
Australia	Tax-free lump sums	Deferred annuities	
	Option against Pillar 1 / State	vege	
Mainland Europe	Pillar 1 reliance (pensions)	Investment Choice	
	Intragenerational Risks - CDC (pensions)	Return generating assets	
	Annual guaranteed bonuses – capital intensive (insurance)	0	
	Fixed Income Investments, yield (insurance)		
Denmark	LDI / Return Split – Deferred annuities (ATP)	Investment Choice	
	Modified DC with High Guarantees / Hedging	Return generating assets	
UK	Inflation-linked Products	Investment Choice on	
	Annuities / Fixed Income on Retirement	Retirement	



Summary

- Focus on Transition
- Multi-Asset, Dynamic
- Guarantees
- Flexible
- International Convergence

Questions Comments

Expressions of individual views by members of the Institute and Faculty of Actuaries and its staff are encouraged.

The views expressed in this presentation are those of the presenter.

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