

# Developing Better Retirement Products in the UK

Danni Brotherston FIA CERA Clarence Er FIA Esther Hawley FIA

Modelling Innovative Pre and Post Retirement Products Working Party

# **Agenda**

01	Introduction to the Working Party
02	Background on the retirement market in the UK
03	Existing and potential products for servicing consumer needs
04	Our proposed framework for measuring success
05	Conclusion and next steps
06	Questions / comments







# **Working Party Objectives**

- a selection of potential retirement products and/or investment techniques that could help improve the options available to consumers on retirement
- a framework for assessing how successful the different approaches are when measured against consumer needs and wants

3) modelling to analyse the success of each suggested approach against the outlined framework

Paper 1 (Q1 2020)







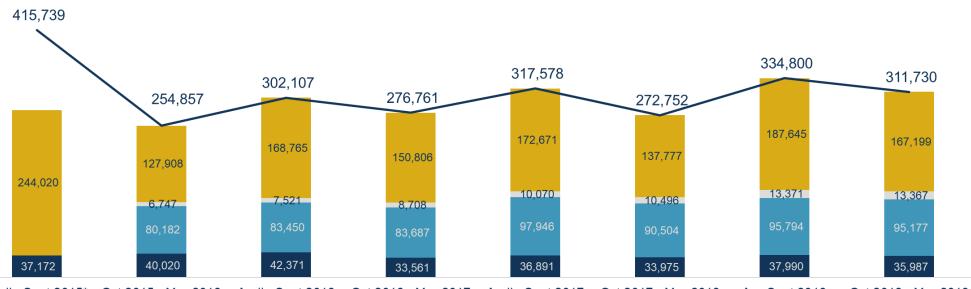


Pension reforms: Two thirds of over-55s still confused, says Prudential

Budget 2014: pensions shakeup could kill off annuity market, say analysts



Number of pension pots accessed by different methods 2015 to 2019



April - Sept 2015\* Oct 2015 - Mar 2016 April - Sept 2016 Oct 2016 - Mar 2017 April - Sept 2017 Oct 2017 - Mar 2018 Apr-Sept 2018 Oct 2018 - Mar 2019

Full cash withdrawals

Partial UFPLS payment taken and not fully withdrawn

New income drawdown policies entered into and not full withdrawn

Annuities purchased

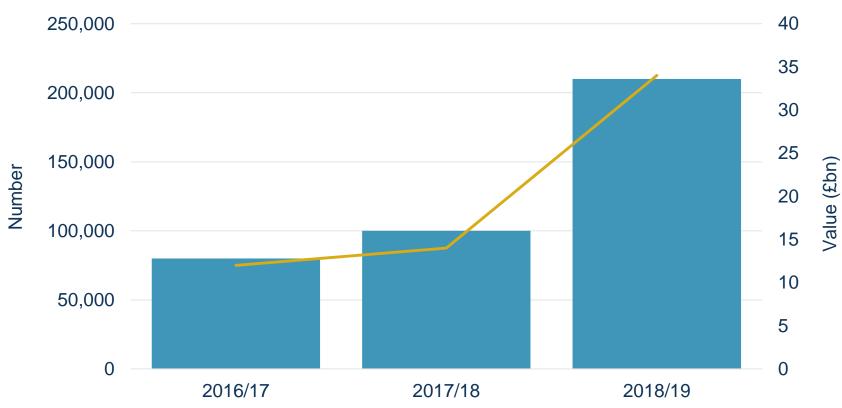
-Pension Pots accessed

Source: Barnett Waddingham; compiled from data published by the Financial Conduct Authority (FCA)

<sup>\*</sup> Figures for drawdown sales and UFPLS were not collected in the same format between July and September 2015 and were therefore omitted by the FCA.







Source: The Pensions Regulator (via a Freedom of Information Request from Royal London)

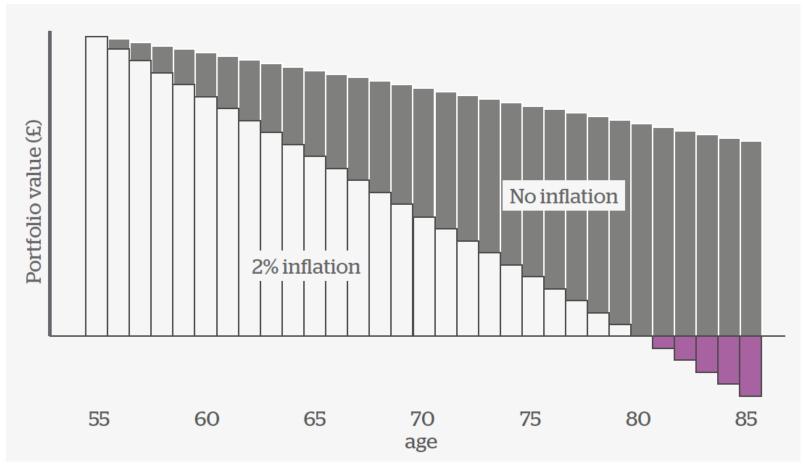


Risks to consider in retirement:

Longevity

Inflation





Source: Brooks Macdonald, March 2019



21 November 2019

Risks to consider in retirement:

Longevity

Inflation

Market

Interest Rate

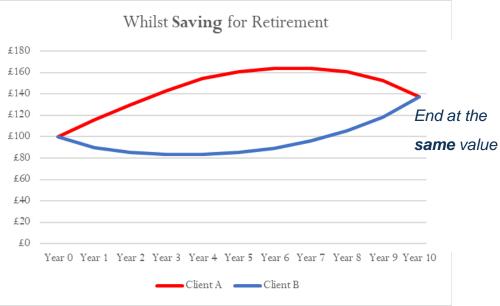
Investor Behaviour

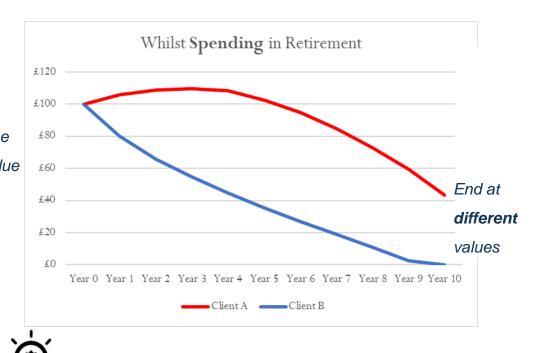
Sequencing Risk



21 November 2019

	1	2	3	4	5	6	7	8	9	10	Return
Client A	16%	12%	10%	8%	4%	2%	0%	-2%	-5%	-10%	+37%
Client B	-10%	-5%	-2%	0%	2%	4%	8%	10%	12%	16%	+37%







Outcome depends on return

Outcome depends on sequence of return

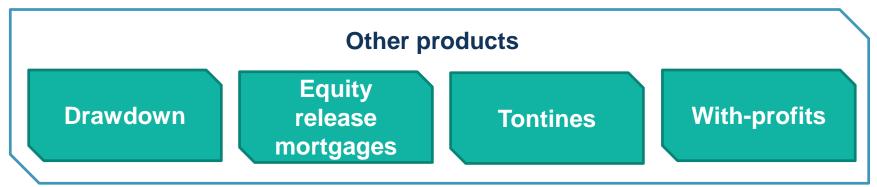
Institute and Faculty of Actuaries





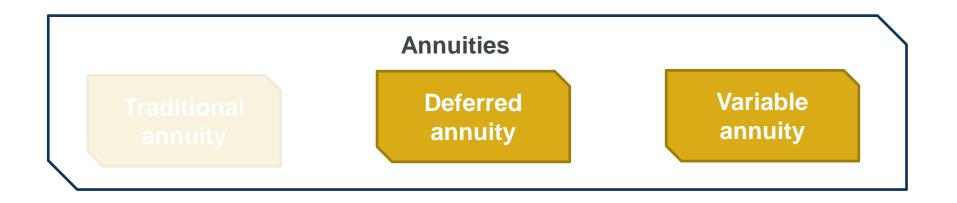
# **Example of products considered**

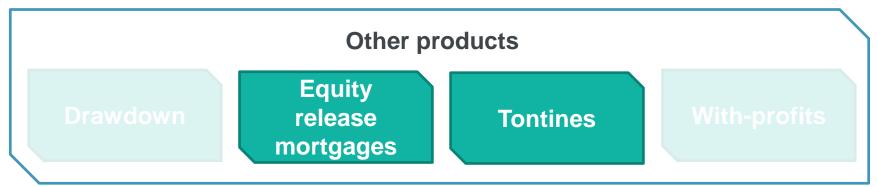






# **Products which merit further exploration**

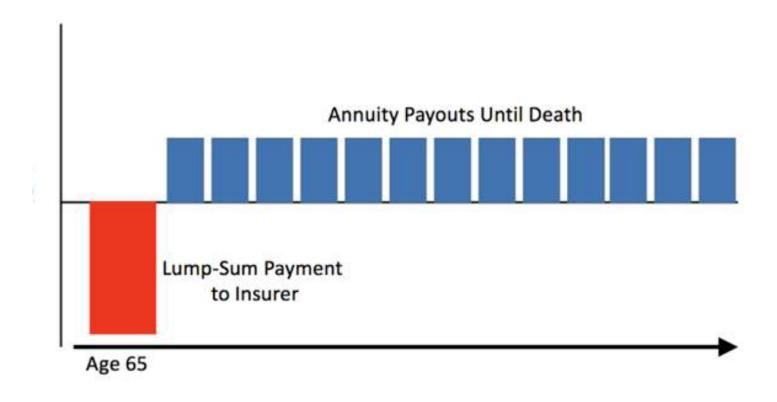






# **Deferred annuity**

#### **Traditional Immediate Annuity**

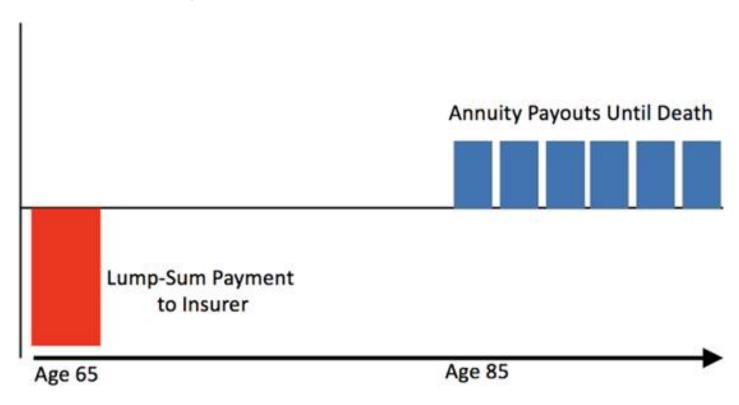


Source: https://seekingalpha.com/article/4122646-income-annuities-immediate-deferred



# **Deferred annuity**

#### **Deferred Annuity**

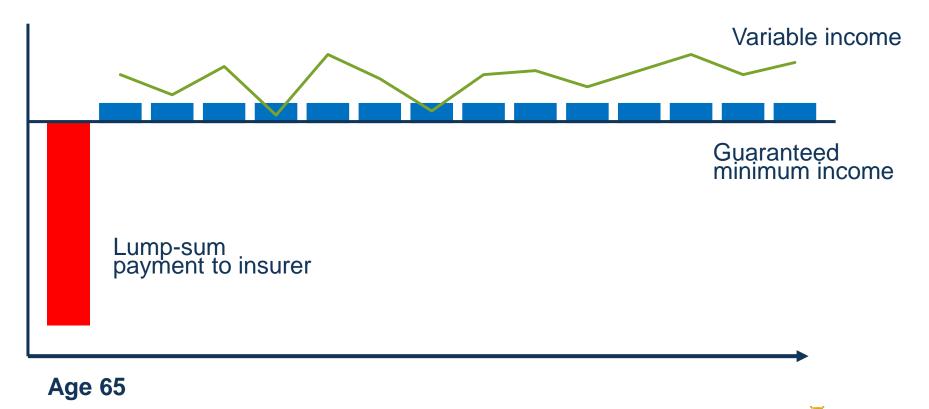


Source: https://seekingalpha.com/article/4122646-income-annuities-immediate-deferred



# Variable annuity

Seen as a crossover between annuities and drawdown



Institute and Faculty of Actuaries

21 November 2019

# **Equity release mortgages**





Unlocks wealth in locked-up in property





No-negative equity guarantee



Allows individuals to stay in property



**Product innovation** 



# **Equity release mortgages (continued)**

#### **Market opportunities**

- Rising demand for old age care
- Lack of pension savings
- Rapidly growing market (£3.94bn lending in 2018¹)

#### **Product risk**

- Borrower has no incentive to maintain the property
- Behavioural/perception aspects (e.g. viewed as failure to save for retirement, reduced inheritance)

#### Regulatory/Public scrutiny

# ASLEEP AT THE WHEEL

The Prudential Regulation Authority & the Equity Release Sector

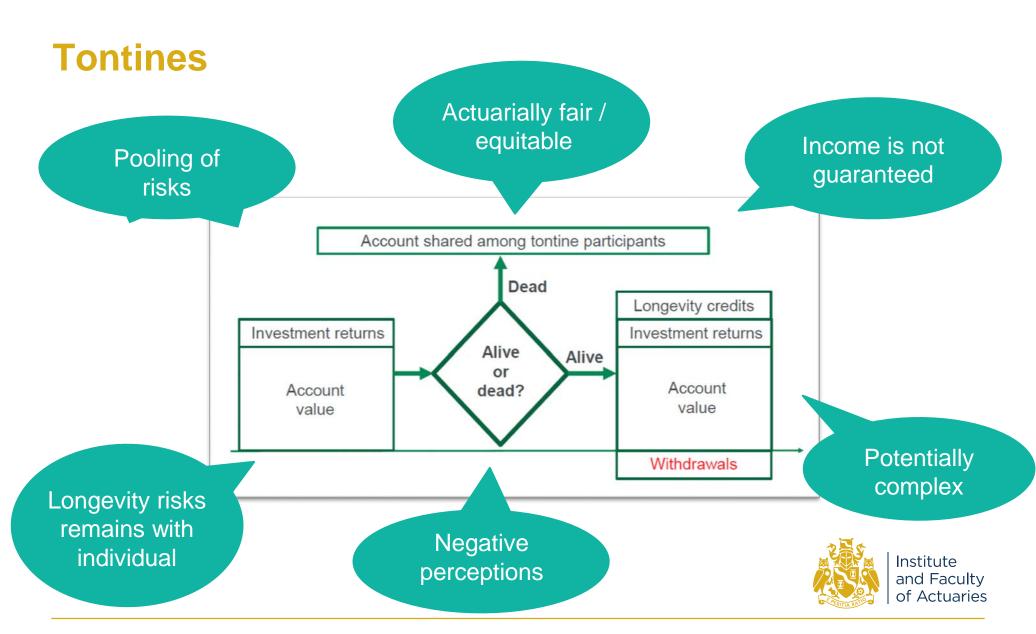
Kevin Dowd















#### Some consumer needs

#### Management of longevity risk

 Low probability of running out of funds

#### > Reliability of income

- Sufficient income to live on from year to year
- e.g. inflation protection, not too volatile

#### Flexibility

 Ability to change solution over time

- Possibility of leaving a bequest
- Perception of good value for money
- > Simplicity
  - Simple for consumers to understand
- Low maintenance for the consumer
  - Requires minimal input from consumer on ongoing basis



# **Metrics for measuring success**

#### **Quantitative measures**

Stochastic simulations for each combination of products and assess:

- Probability of nominal income
  >x% of initial income
- Probability of real income >y% of initial income
- Probability of total value >z% of starting fund value

#### **Qualitative measures**

- Level of simplicity / ease of understanding
- Any ongoing requirements
- Level of flexibility in early years
- Longevity protection after age 95







#### **Conclusions**

- There are opportunities in the current retirement market
- A combination of products could offer attractive solutions for consumers
- Getting this right will be of great benefit to both consumers and providers



# **Next steps**

- Publish first paper in Q1 2020 setting out
  - More detailed framework for measuring success
  - The combination of products to perform modelling
- Perform modelling on the selected combinations and share results of analysis in second paper

#### Feedback welcomed!



# Questions

# Comments

The views expressed in this presentation are those of invited contributors and not necessarily those of the IFoA. The IFoA do not endorse any of the views stated, nor any claims or representations made in this presentation and accept no responsibility or liability to any person for loss or damage suffered as a consequence of their placing reliance upon any view, claim or representation made in this presentation.

The information and expressions of opinion contained in this publication are not intended to be a comprehensive study, nor to provide actuarial advice or advice of any nature and should not be treated as a substitute for specific advice concerning individual situations. On no account may any part of this presentation be reproduced without the written permission of the IFoA.

