

Income For Life: What your members really need

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Decumulation

"...the nastiest, hardest problem in finance."

William Sharpe,
1990 Nobel prize winner in Economics



Agenda

- 1. Decumulation & why it's so challenging
- 2. Demographic trends facing Canadians
- 3. Existing Strategies & Solutions
- 4. Longevity Risk Pooling & Income for Life

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- 5. Insights for Plan Sponsors
- 6. Q&A



Intro To Income for life (a.k.a. Decumulation)



An individual's financial lifecycle consists of two core phases



What makes Decumulation so challenging?





Poll question 1

Rounded to the nearest year, what is the <u>average</u> age that a 65-year-old Canadian <u>female</u> can expect to live to?



Poll #1 Answers

A) 88

B) 87

C) 86 D) 85

Source: ers%5B2%5D=4.8&cubeTimeFrame.startYear=2016&cubeTimeFrame.endYear=2020&referencePeriods=20160101%2C20200101

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> 9

Poll #1 Answers

A) 88

B) 87

C) 86 D) 85

Source: https://www150.statcan.gc.ca/t1/tbl1/en/tv.action?pid=1310083701& pickMembers%5B0%5D=1.1& pickMembers%5B1%5D=3.3& pickMembers%5D=3.3& pickMembers%5D=3& piers%5B2%5D=4.8&cubeTimeFrame.startYear=2016&cubeTimeFrame.endYear=2020&referencePeriods=20160101%2C20200101

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> 10

Poll question 2

If that 65-year-old Canadian female wants to be <u>90% confident</u> she won't run out of money, what age would she have to plan to make her funds last to?



Poll #2 Answers

- A) 85
- B) 90
- C) 95
- D) 100

Source: https://fpcanada.ca/docs/default-source/standards/2022-pag---english.pdf

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 \rightarrow 12

Poll #2 Answers

- A) 85
- B) 90

C) 95 **D) 100**

Source: https://fpcanada.ca/docs/default-source/standards/2022-pag---english.pdf

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> 13

Life Expectancy: Larry could live to 66....or 106



Likelihood of dying at each age

Source: CIA Canadian Pensioners' Mortality 2014; https://www.cia-ica.ca/docs/default-source/2014/214013e.pdf

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 \rightarrow 14

Retirees under-estimate *longevity risk*, and over-estimate *market risk*





Demographic trends and the challenges facing Canadians



A large demographic shift is occurring around the world as populations age and life expectancies rise



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¹ "The Retirement Income Conundrum: How status quo may not be enough for the next generation of retirees," TD Asset Management, February 2018

² "Life expectancy increased by 5 years since 2000, but health inequalities persist," World Health Organization, May 2016

³ "<u>Ageing</u>," United Nations, 2019

⁴" <u>What's in a number? Looking at life expectancy in the US</u>," Harvard Health Publishing, February 2020

Private sector workers covered by a defined benefit pension has decreased significantly over the past 20 years

% of private sector workers covered by a defined benefit pension



Source: <u>Statistics Canada;</u> ²<u>Registered Pension Plans (RPP) and Other Types of Savings Plans – Coverage in Canada</u>; OSFI 2018

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- 18

Strategies & products used for Decumulation



Retirees can use one of the "rules of thumb" to determine how much income to draw from their savings each year



A ranged of investment Products are used by members during Decumulation



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Each Decumulation Product category brings its own set of strengths

Investment product	Lifetime Income via Risk Pooling	Guarantees		Access to
		Income Level	Value at Death	Capital / Flexibility
Traditional Investments	0	0	0	
Segregated Funds	0	0		
Lifetime Annuities			0	0
Lifetime Variable Income Funds		0	0	\bullet
	A retirement plan should incorporate a mix of different products to enable the desired outcome			

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Longevity Risk Pooling & Income for Life

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Poll question 3

What is longevity risk?



Poll #3 Answers

- A) The risk of dying young
- B) The risk of outliving your savings
- C) The risk of over-spending in the early part of Retirement
- D) The financial planning challenges arising from the wide uncertainty of how long you will live

- 25

Poll #3 Answers

- A) The risk of dying young
- B) The risk of outliving your savings
- C) The risk of over-spending in the early part of Retirement
- D) The financial planning challenges arising from the wide uncertainty of how long you will live





Poll question 4

What is longevity risk pooling?



Poll #4 Answers

- A) Taking money from younger people
- B) Taking money from older people
- C) Sharing individual lifespan uncertainty with other people to produce positive financial outcomes regardless how long you end up living
- D) Being able to accurately estimate how long you will live



Poll #4 Answers

- A) Taking money from younger people
- B) Taking money from older people
- C) Sharing individual lifespan uncertainty with other people to produce positive financial outcomes regardless how long you end up living
- D) Being able to accurately estimate how long you will live



Example member outcomes, without longevity risk pooling



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> 30

Example member outcomes, <u>with</u> longevity risk pooling





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 \rightarrow 31





Insights for Plan Sponsors & Key Takeaways



 \rightarrow 33

How can Plan Sponsors help members in decumulation?



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Closing Takeaways



Uncertain (+ rising) life expectancy, less access to DB plans, and growing inflation & market risk concerns, mean **plan members need access to solutions** ensuring **income for life**

Continued innovation has produced solutions that incorporate longevity risk pooling in more flexible structures



There are **simple steps sponsors can take to help retired members** without incurring financial risk or operational burden

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How about Larry?



Larry's retirement picture: he is able to create a sustainable income stream as long as he lives



This illustration assumes CPP and OAS are adjusted for inflation each by +2.5%; Longevity risk pooling represents the mean expected distributions in the Longevity Pension Fund, investment income is set as 3% of the balance, designed to conservatively preserve the capital base.

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37

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Asset class risk Capital depreciation risk Cease trading of constituent securities risk Changes in legislation risk Collateral risk Concentration risk Conflicts of interest risk Counterparty risk Credit risk Currency risk Cyber security risk Debt securities risk Delayed reporting risk Depository securities and receipts risk Derivative risk Distributions in specie Equity investment risk Fluctuations in NAV and Class NAV per unit Foreign investment risk





Thank you

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