

12.9.2015 | NAPFA DC STUDY GROUP

MICHAEL E. KITCES

MSFS, MTAX, CFP®, CLU, ChFC, RHU, REBC, CASL Partner. Director of Research, Pinnacle Advisory Group Publisher. The Kitces Report, www.kitces.com

Blogger. Nerd's Eye View, www.kitces.com/blog

Twitterer. @MichaelKitces, www.twitter.com/MichaelKitces



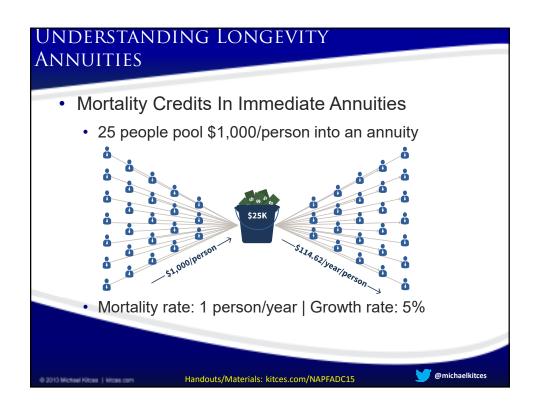
Handouts/Additional Materials at: kitces.com/NAPFADC15

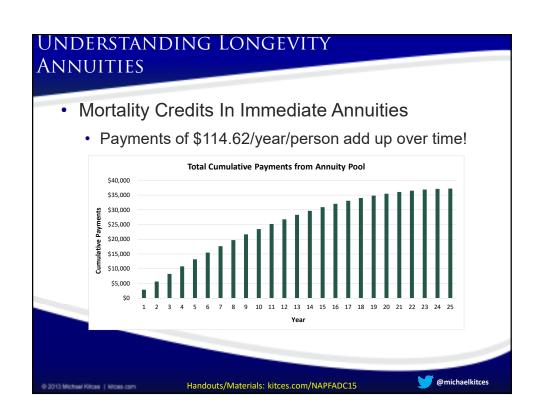
Understanding Longevity Annuities

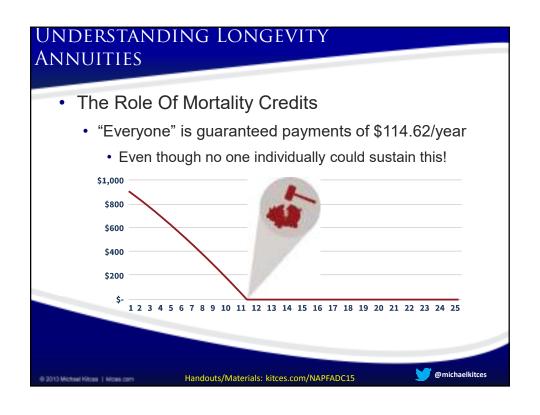
- Defining A "Longevity Annuity"
 - An immediate annuity is a contract where the buyer exchanges a lump sum with an insurance company to receive an ongoing stream of payments for life (or a certain period of time), generally starting within a year
 - A longevity annuity is a form of lump-sum-for-lifetimepayments contract, but payments do not begin until an advanced age
 - Also known as "Deferred/Delayed Income Annuity" (DIA)

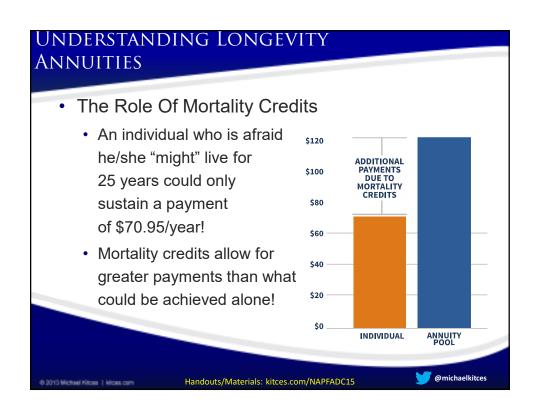
@ 2015 Michael Kilosa | Micas cor

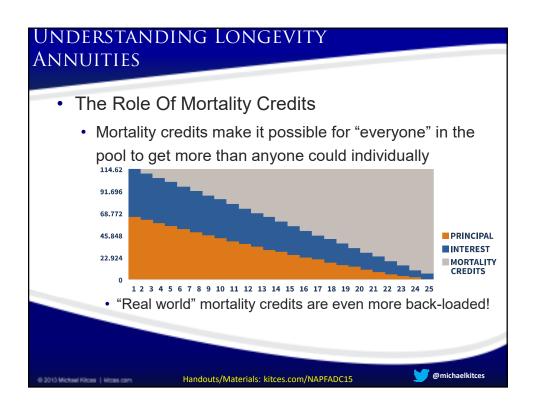


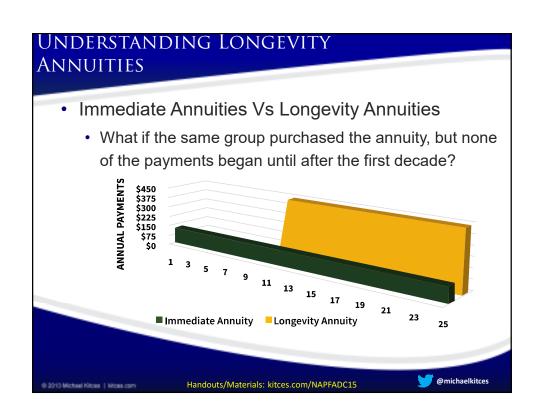


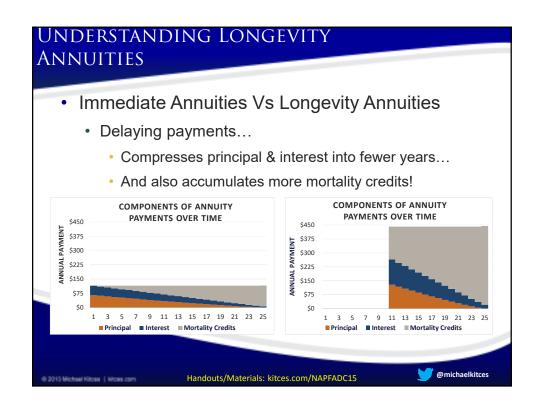


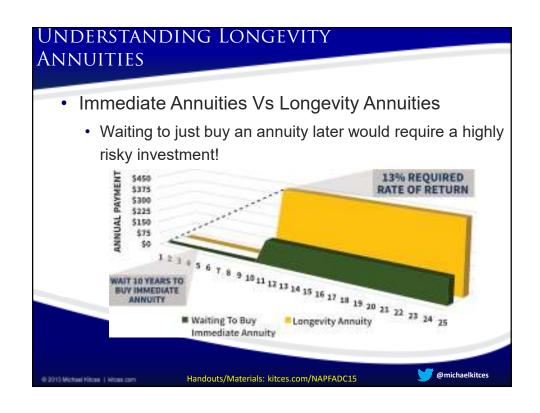












Understanding Longevity Annuities

- Increased "Returns" From Mortality Credits
 - With *real-world* mortality, each year of surviving has an exponentially larger contribution to return!

Age	Mortality Credits (basis points)
55	35
60	52
65	83
70	138
75	237
80	414
85	725
90	1256

Source: Investment Benefits From Annuitization Assuming 40/60 Male/Female Split for Annuity 2000 Table Under 6% Interest, by Moshe Milevsky, "Real Longevity Insurance With A Deductible: Introduction To Advanced-Life Delayed Annuities". North American Actuarial Journal, 2005.

0 3015 Michael Hitoss | Micas.com

Handouts/Materials: kitces.com/NAPFADC15



michaelkitces

Understanding Longevity Annuities

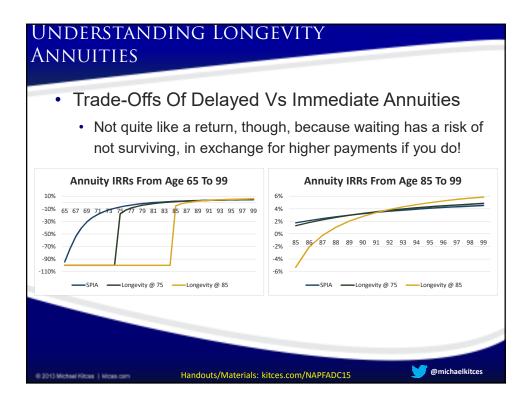
- Trade-Offs Of Delayed Vs Immediate Annuities
 - The longer the deferral period, the bigger the increase in payments!

Purchase Age	Starting Payment Age	Monthly Payment	% Increase
65	65	\$478.91	N/A
65	75	\$934.18	95%
65	85	\$2,656.20	455% (184%)

Source: Annuity Quotes via Cannex, as of July 8, 2014

0 2015 Michael Kilosa II Micas cor





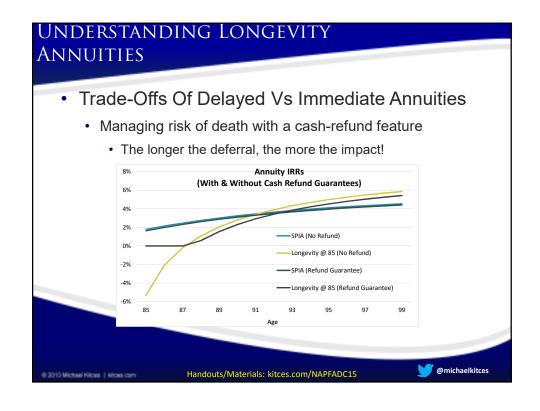
Understanding Longevity Annuities

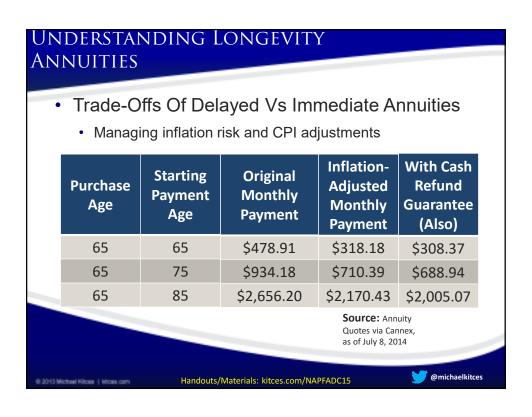
- Trade-Offs Of Delayed Vs Immediate Annuities
 - Cash refund guarantees ensure principal isn't lost
 - · But give up mortality credits in the process!

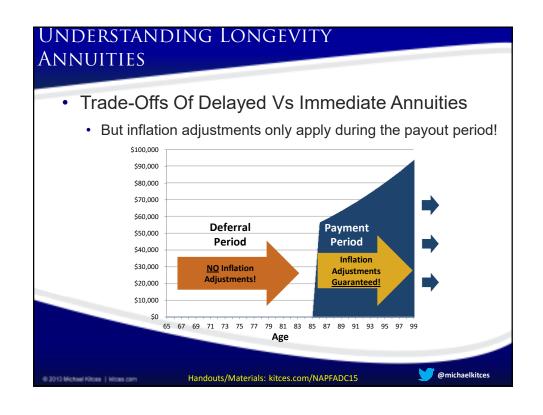
Purchase Age	Starting Payment Age	Monthly Payment	With Cash Refund Guarantee
65	65	\$478.91	\$471.45
65	75	\$934.18	\$929.46
65	85	\$2,656.20	\$2,373.19

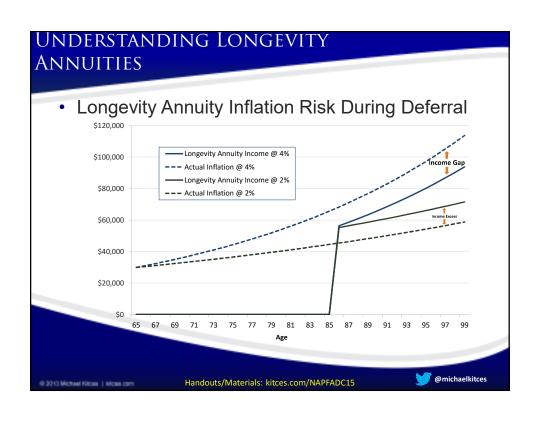
Source: Annuity Quotes via Cannex, as of July 8, 2014

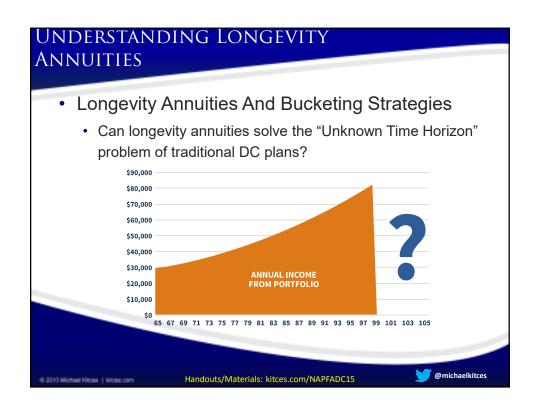


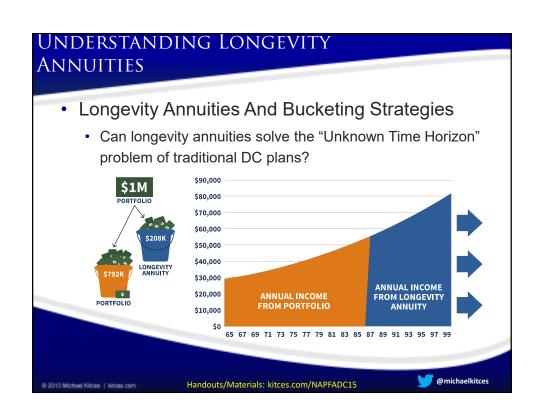


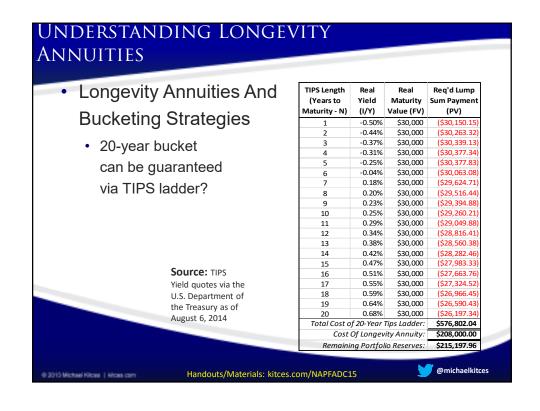


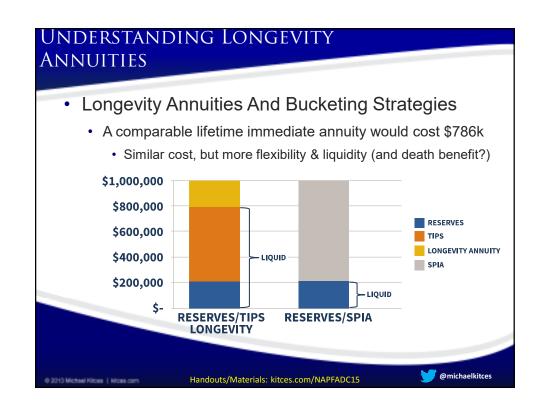












UNDERSTANDING LONGEVITY ANNUITIES

- Longevity Annuities Vs Alternative Choices
 - · Superior to a purely fixed-income portfolio
 - "Expensive" to buy government bonds in low-yield environment
 - Mortality credits can always provide superior payments to comparable bonds alone...
 - · At least for those most concerned about longevity
 - Solves the "Unknown Time Horizon" problem
 - Especially pernicious for laddered bonds if clients outlive the ladder!

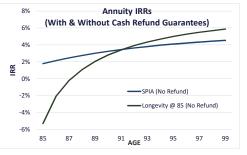
@ 2015 Michael Kitoss | Micas.com

Handouts/Materials: kitces.com/NAPFADC15



Understanding Longevity Annuities

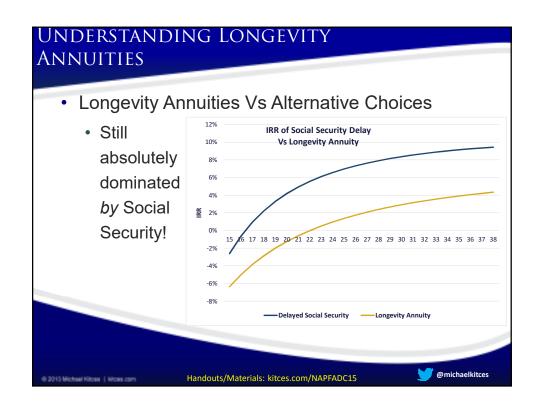
- Longevity Annuities Vs Alternative Choices
 - Arguably dominates immediate annuities
 - Superior in actual longevity scenarios...
 - And greater liquidity during the intervening years!

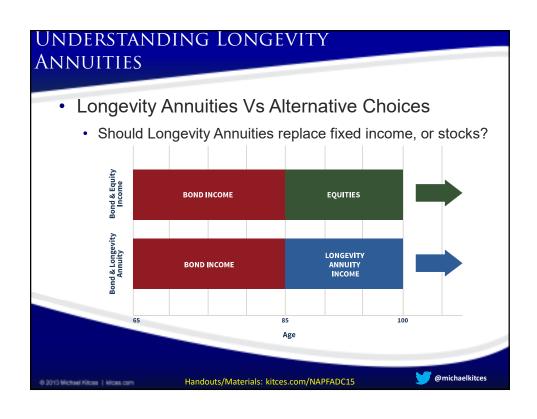


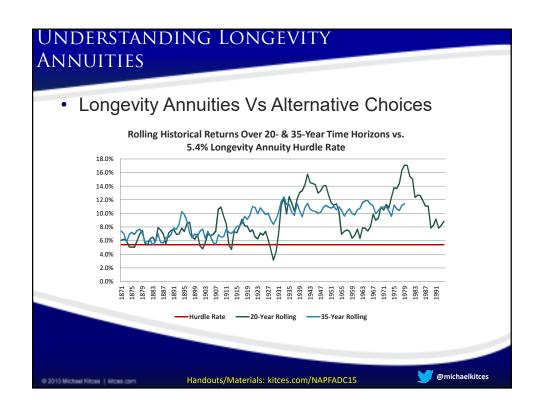
• Even with a risk of "total" loss, it's only a small slice!

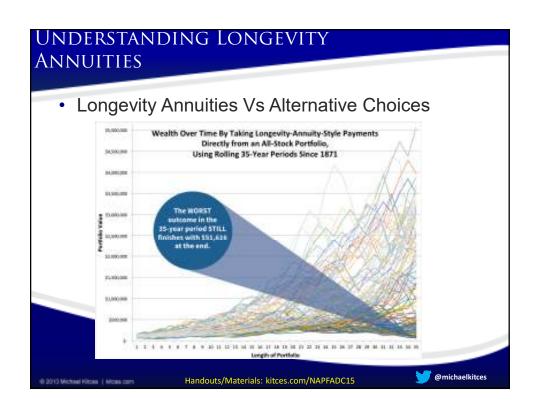
0 3015 Michael Kilose | Lidous

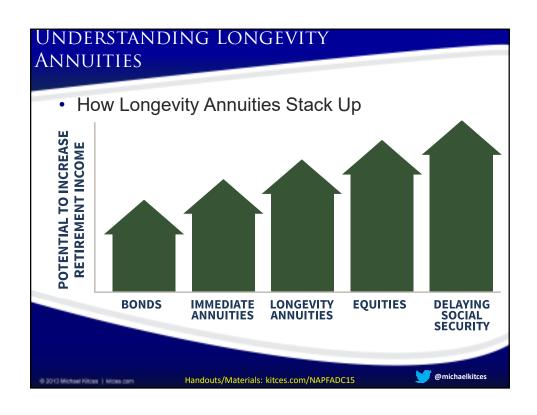


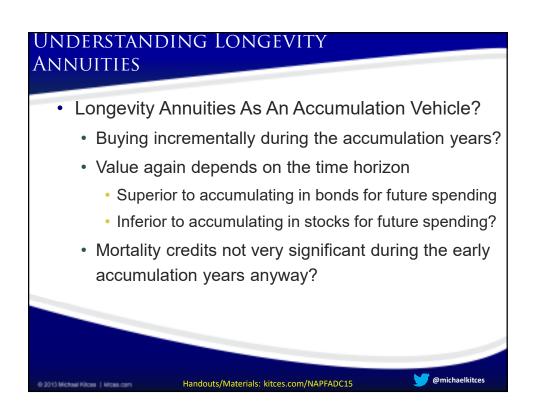




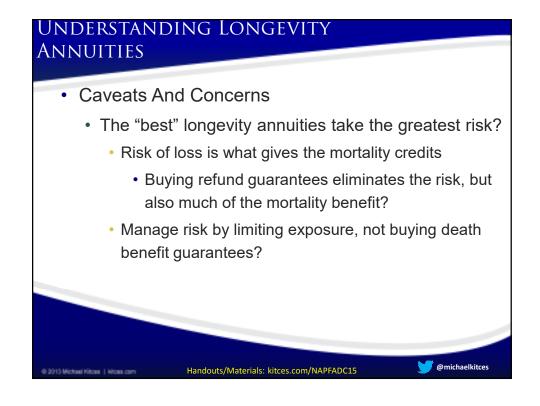


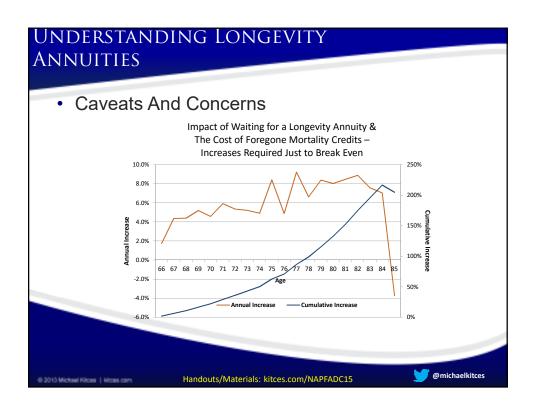






UNDERSTANDING LONGEVITY ANNUITIES Caveats And Concerns Relies heavily on the credit quality of the insurer Check credit quality of the insurer Could greater volume of longevity annuities increase insurance company risk in the future? The danger of longevity/health "shocks" Difficult to liability-match "back-loaded" payments?







- - · Of primary importance for those who fear outliving their life expectancy
 - Delaying Social Security always superior first step
 - · Arguably dominant over immediate annuities
 - Solves the "Unknown Time Horizon" problem
 - Can be purchased with inflation protection
 - Still may be inferior to long-term equities though?

@michaelkitces Handouts/Materials: kitces.com/NAPFADC15

Understanding Longevity Annuities

- Planning Implications/Applications
 - Difficult to peg "right" amount to purchase
 - Depends on uncertainty of inflation during deferral?
 - "Best" versions have fewest death guarantees?
 - Limits the amount of capital required while maximizing the payouts if client survives
 - Maximize the deferral period!
 - But this poses the greatest psychological challenges?

Handouts/Materials: kitces.com/NAPFADC15 @michaelkitces

Understanding Longevity Annuities

- Planning Implications/Applications
 - · An uphill battle to playing the waiting game
 - Potential for competitiveness to increase...
 - Against foregone mortality credits, and the risk that payouts get worse (regulatory or longevity changes)
 - Could become highly compelling at higher payout rates, though?
 - Buy from a top-rated insurer!
 - Not a time to shop on payment size alone!

Handouts/Materials: kitces.com/NAPFADC15 @michaelkitces

UNDERSTANDING LONGEVITY ANNUITIES Summary Longevity annuities provide an interesting possibility Solves the "Unknown Time Horizon" problem Risks implicitly managed by smaller required payments Compelling now against some alternatives... ..But the time may not be right just yet for widespread use?

