

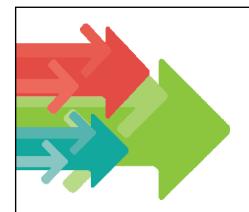
Session 84 PD, Management of Actuarial Risks for Deferred Annuities

Moderator:

Kenneth Scott Birk, FSA, CERA, MAAA

Presenters:

Timothy S. Paris, FSA, MAAA Nathan Daniel Wilbanks, FSA, MAAA





Management of Actuarial Risks for Deferred Annuities

Management of Actuarial Risks for Deferred Annuities

Nathan D. Wilbanks, FSA, MAAA

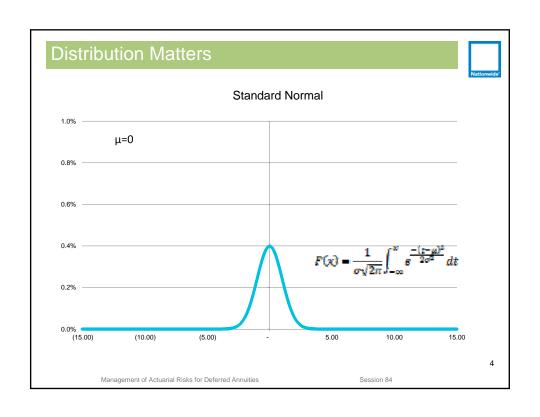
Brian Grinnell, FSA, MAAA, CQF

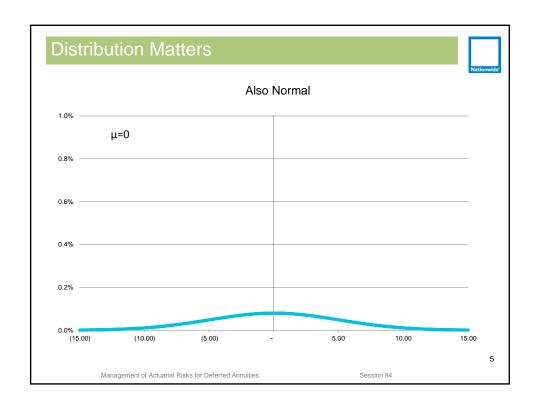
Session 84 - 2013 SOA Annual Meeting

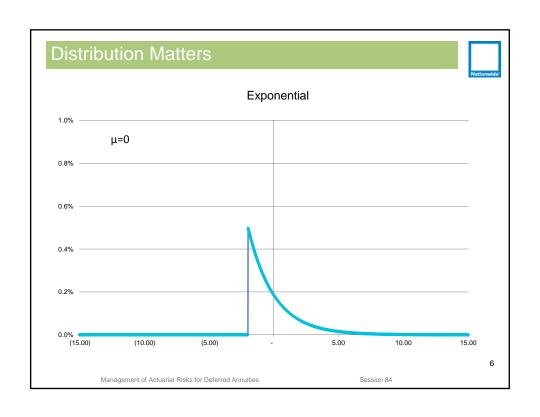
October 12, 2013

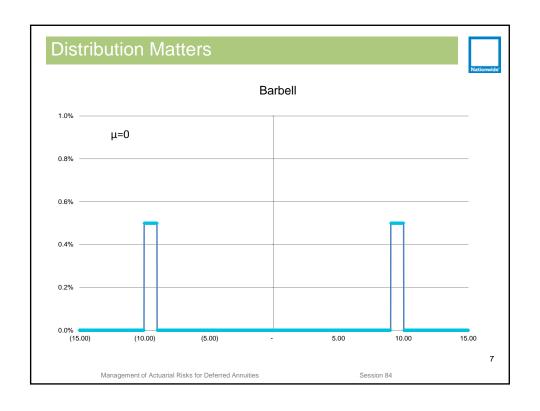
<u>'</u>

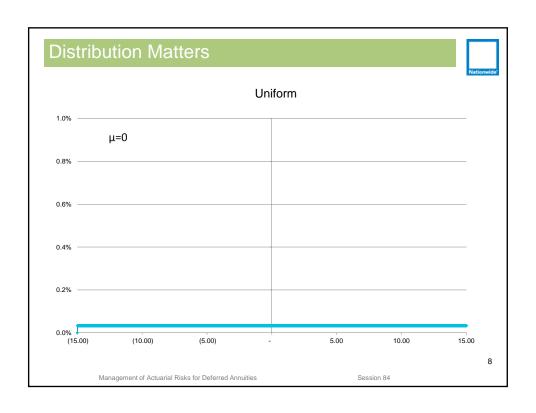


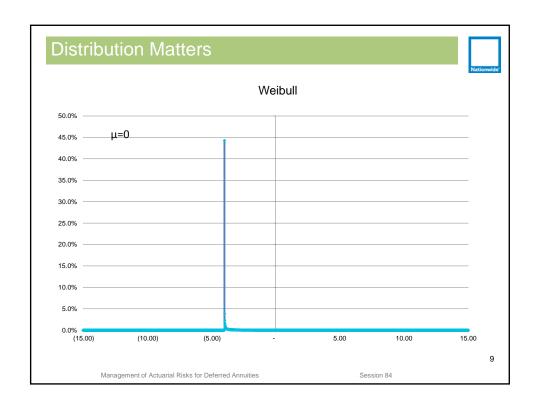


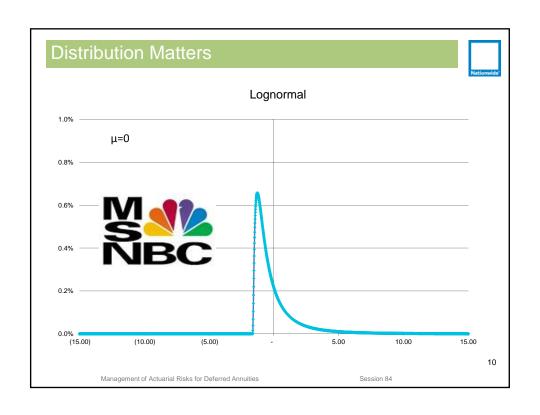


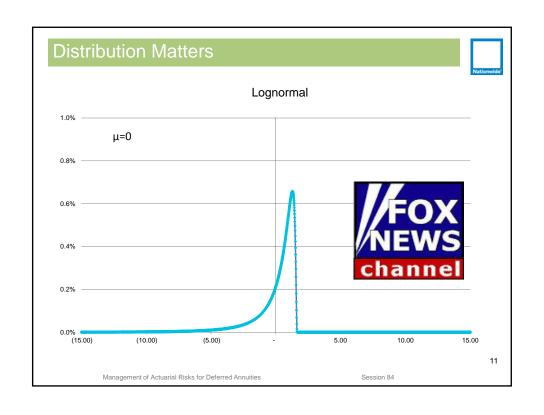


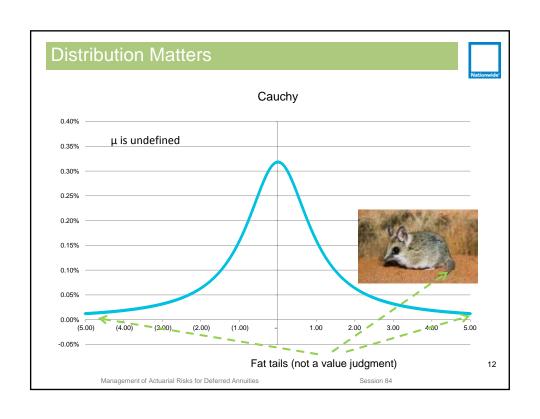


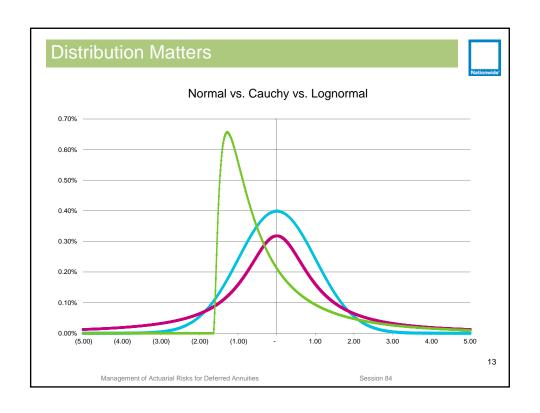


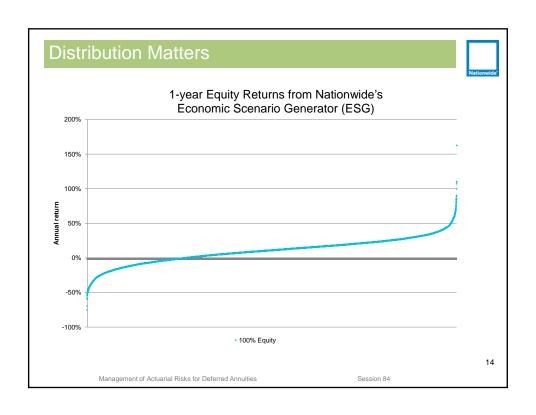


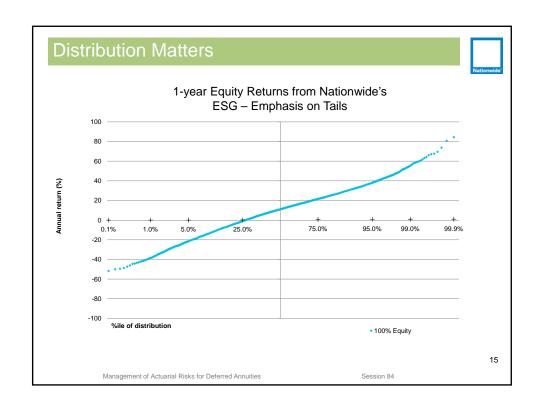


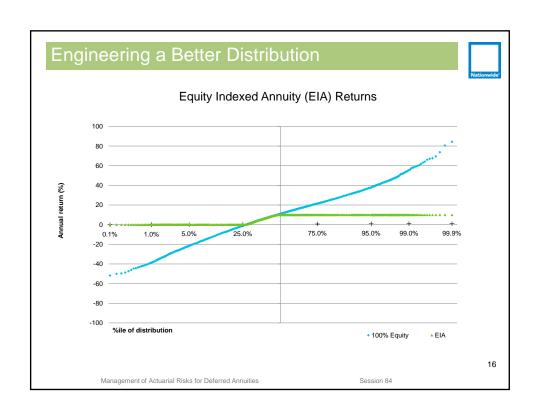


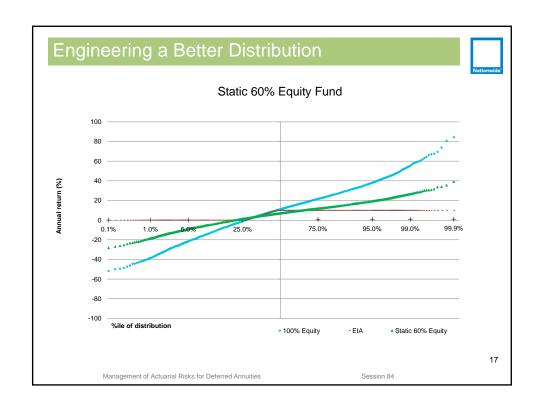


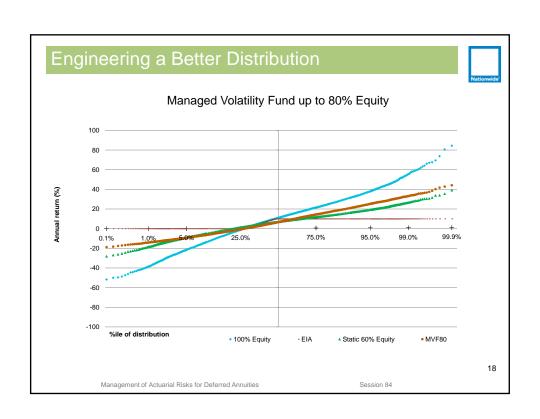












What is a Managed Volatility Fund?



Aka Target Vol Fund, Volatility Controlled Fund, in some cases Tactical Asset Allocation Fund

May or may not include an element of principal protection

Seeks to modify equity exposure (through tactical allocations or the use of derivatives) in order to limit the volatility of the underlying

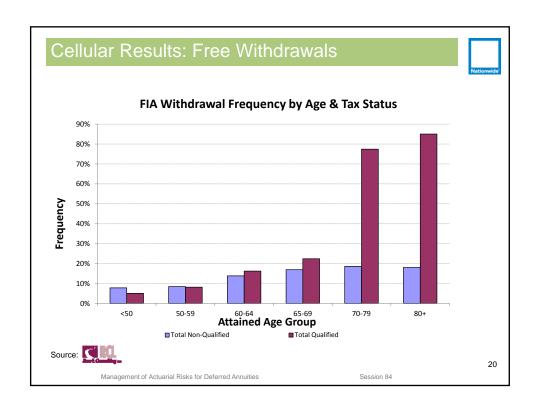
Can be used for both Variable Annuities and Fixed Indexed Annuities

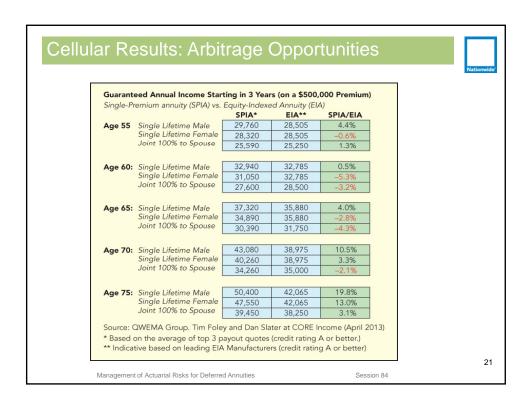
- Limits downside risk for Variable Annuities
- · Limits option cost volatility for Fixed Indexed Annuities

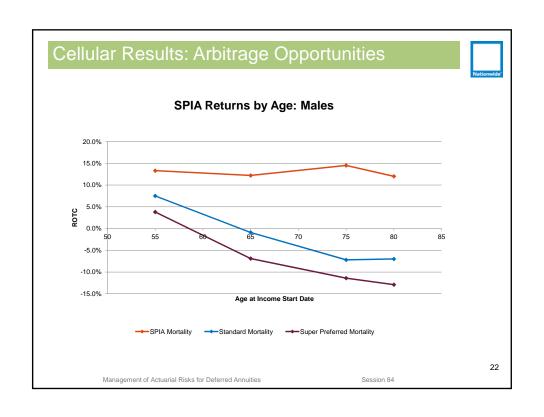
19

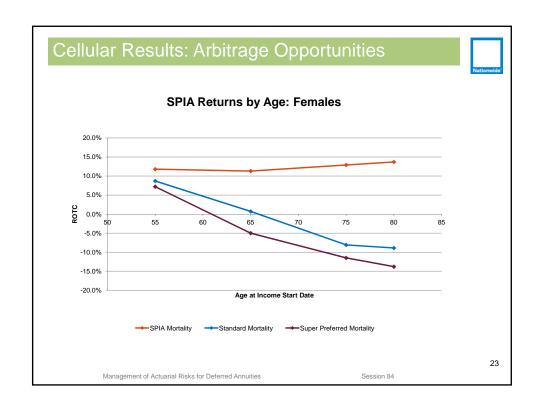
Management of Actuarial Risks for Deferred Annuities

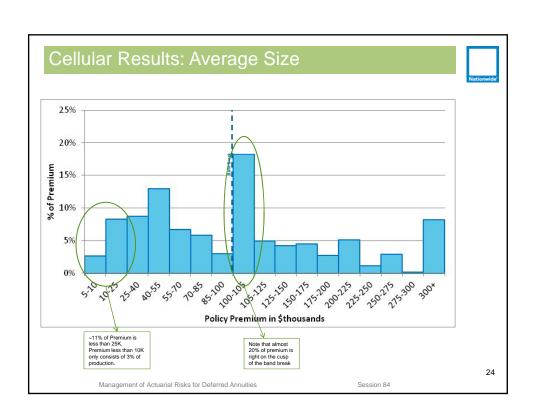
Session 84

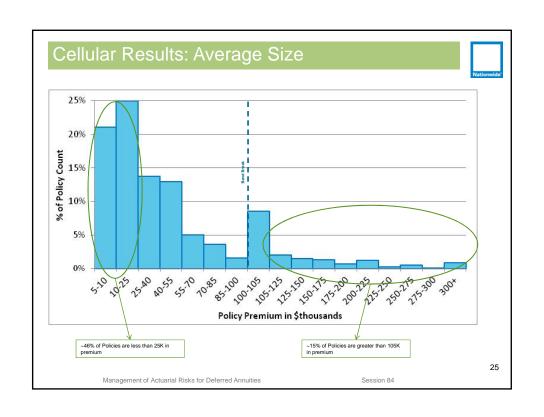




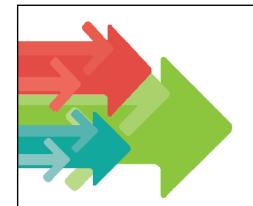














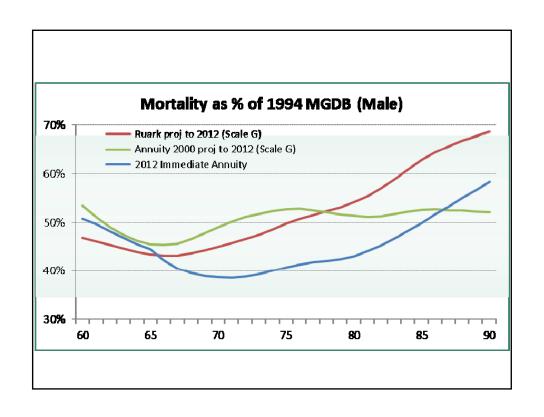
Management of Actuarial Risks for Deferred Annuities

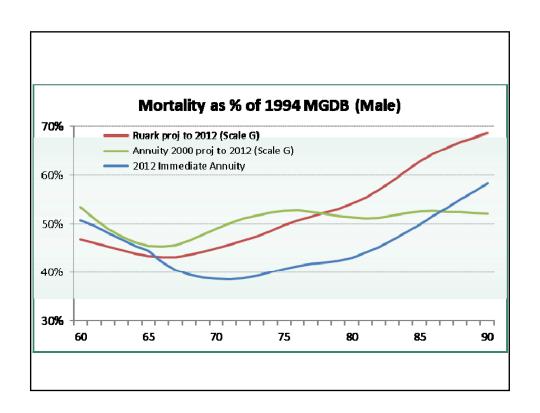
Session 84, October 22 2013, 8:30-9:45am

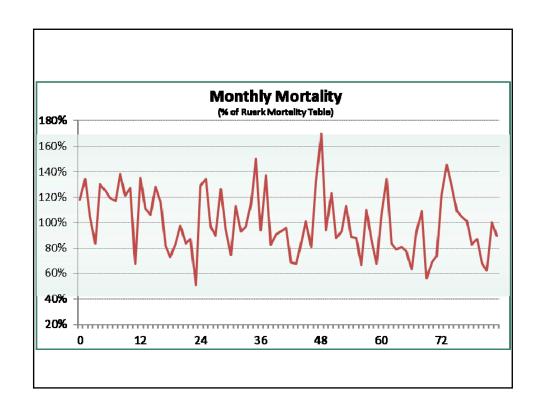
Timothy Paris, FSA, MAAA

Ruark Insurance Advisors, Inc.

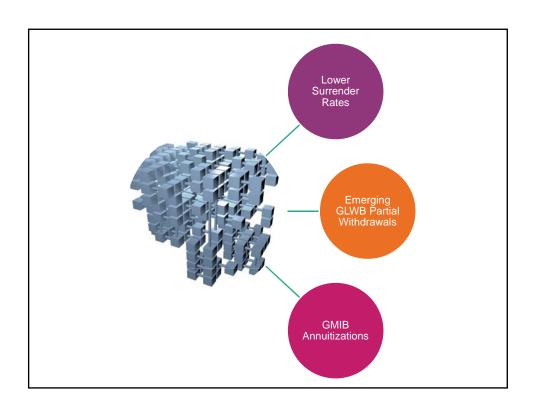












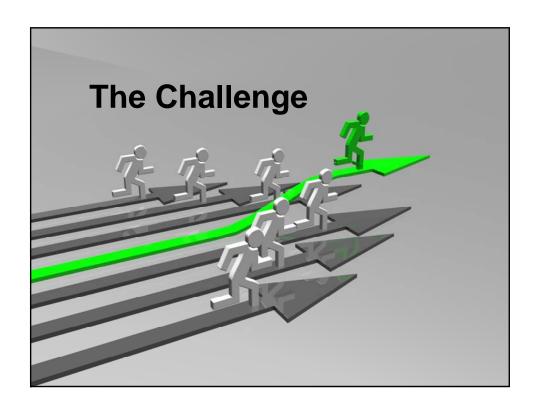


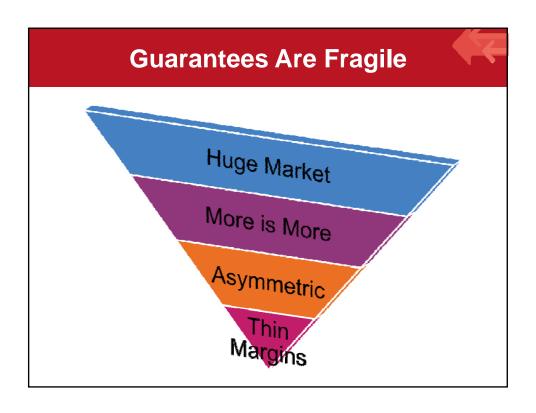
USD 1.1b Surrenders

EUR 0.6b Mortality and surrenders

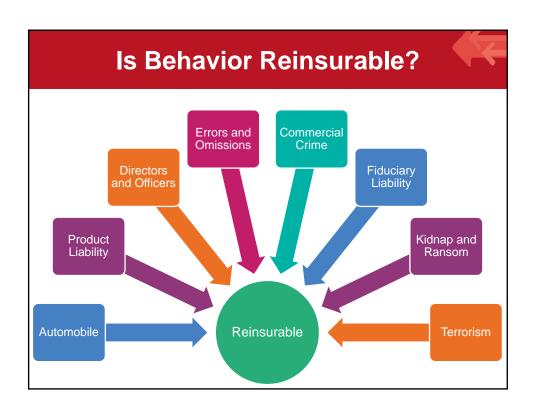
USD 0.3b Surrenders

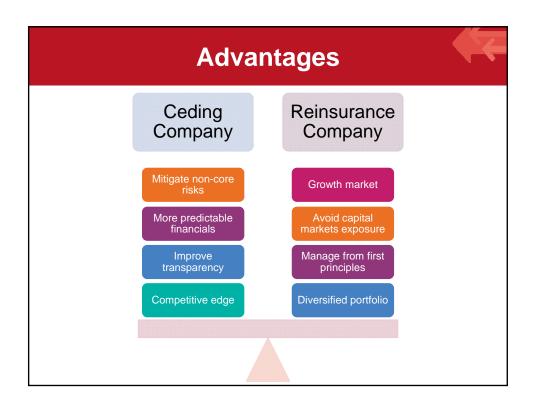
CAD 0.3b Surrenders and other behavior



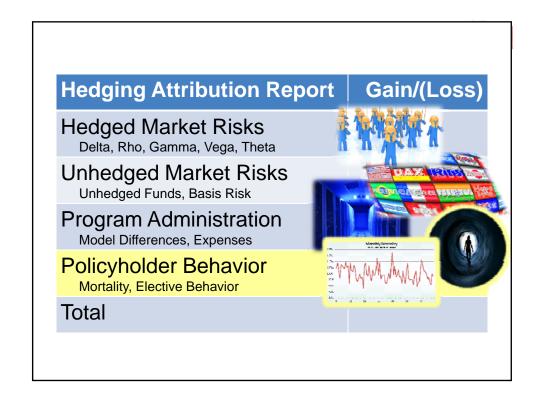


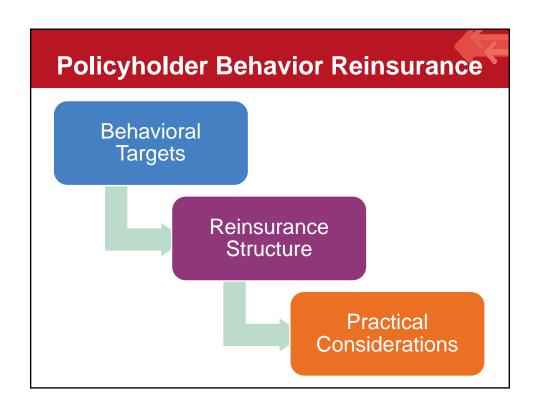






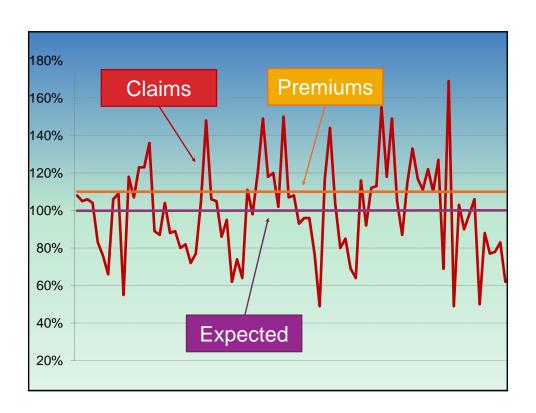


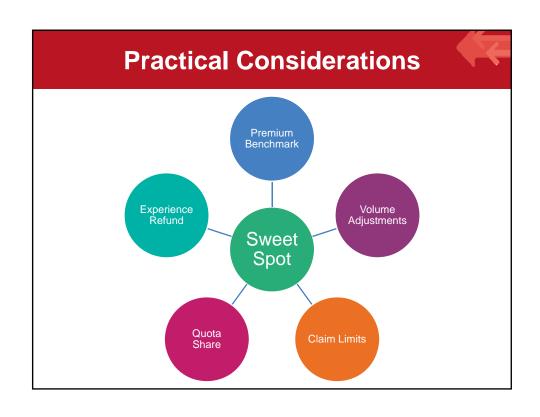




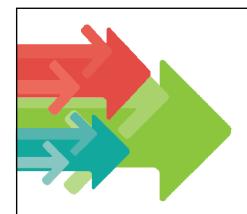


Claims = Frequency X Severity









SOA 2013 SOCIETY OF ACTRIARIES Annual Meeting & Eshibar

Thank You!

Timothy Paris, FSA, MAAA Chief Executive Officer Ruark Insurance Advisors, Inc. 860.866.7786

timothyparis@ruark.co

in linkedin.com/in/timothysparis

