

### Let's Prepare for a Longer Retirement



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#### What Are the Key Areas of Risk?

1

#### **Investment Risk**

Risk that asset performance falls short of expectations

2

#### Longevity Risk

Risk that plan participants and beneficiaries live longer than expected

3

#### Inter-generational Risk

Risk that we pay the benefits of current retirees at the expense of securing the benefits of current employees contributing to the plan Failure to manage these risks is behind today's growing funding gap.

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Investment Risk

This characteristics are the control of expectations

Sustainability Model

will help pension

Longevity Risk

Risk that plan gartining tean and beneficiaries live longer than expected

maintain a path

toward a stable and

Risk illustive pay the denefits of current retirees at the expense of securing

the benefits of current employees contributing to the plan

Maeatmeementisk Management

- Risk Budgeting
- \*Lower risk / lower volatility investing (LDI, absolute return, illiquid fixed income) Failure to manage

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- Retirement age increases with healthy life
- Insure remaining longevity risk funding gap.

#### Materaggemeeational Risk

Manageminibitions of working age plan

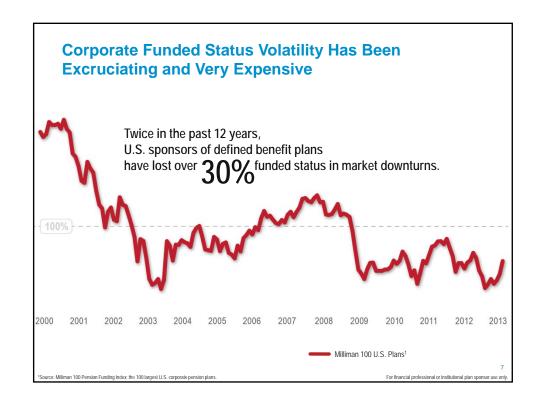
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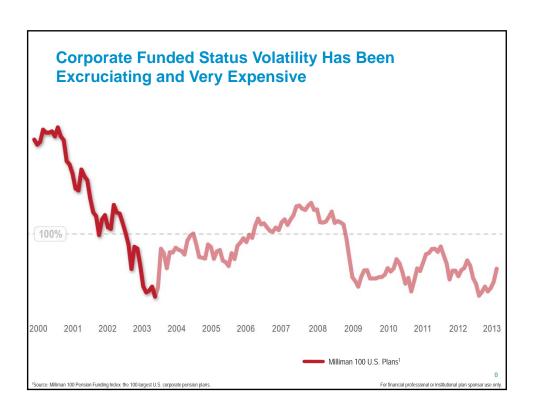
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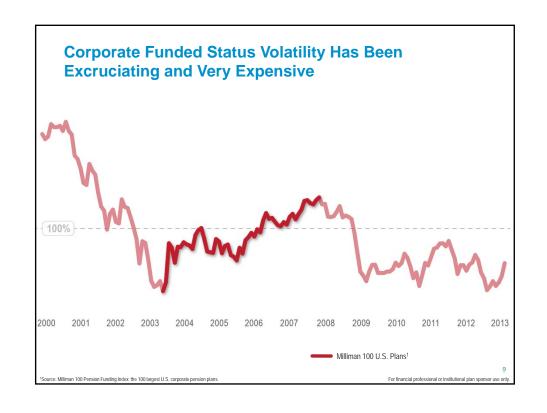
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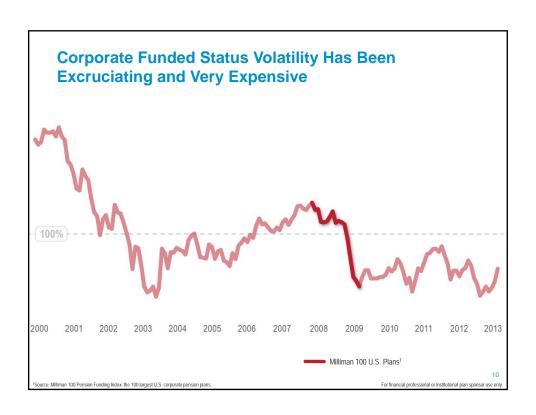
Pension plan sponsors are surrounded by risk.

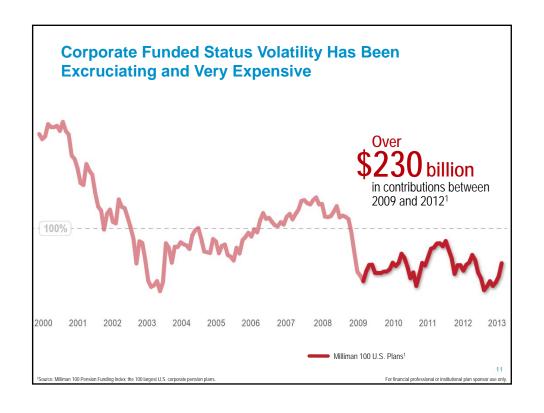
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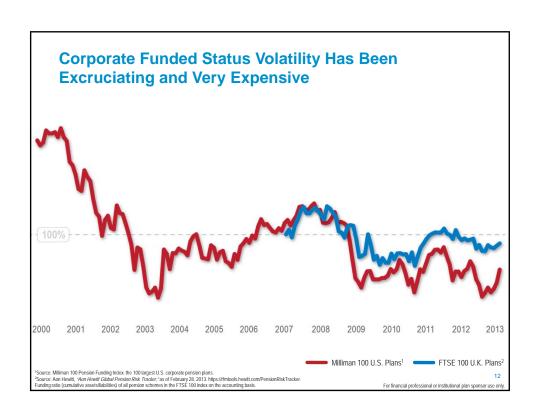


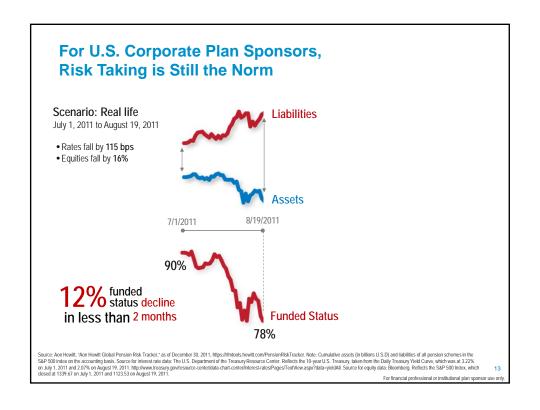


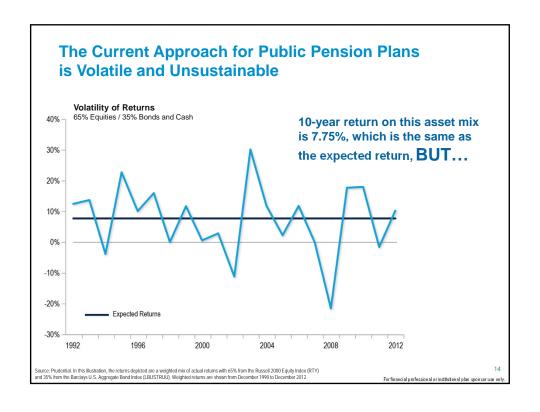


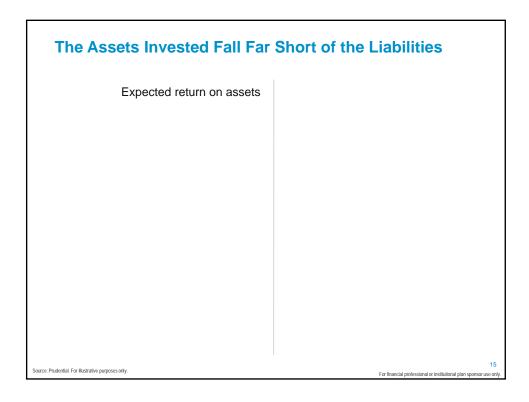


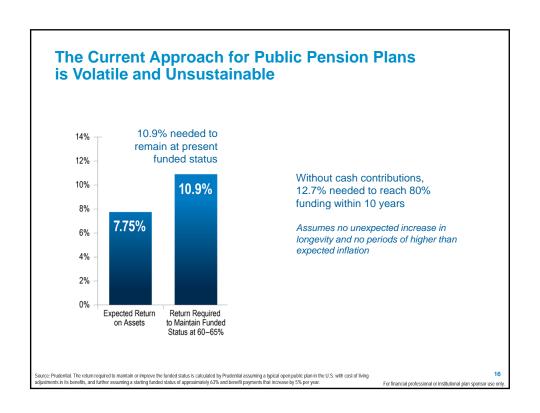


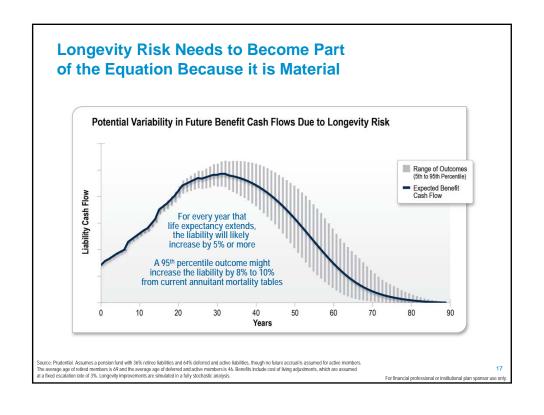


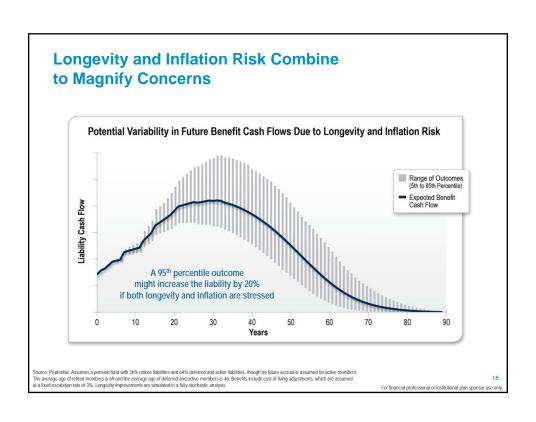


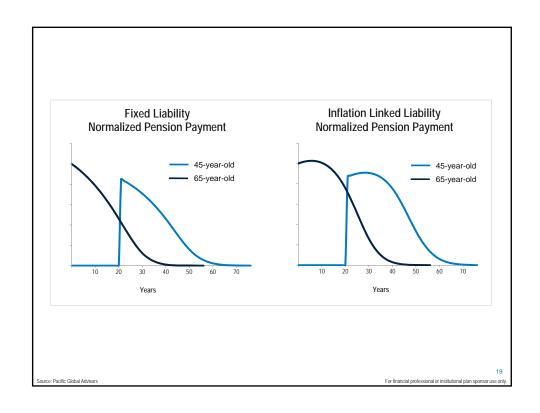


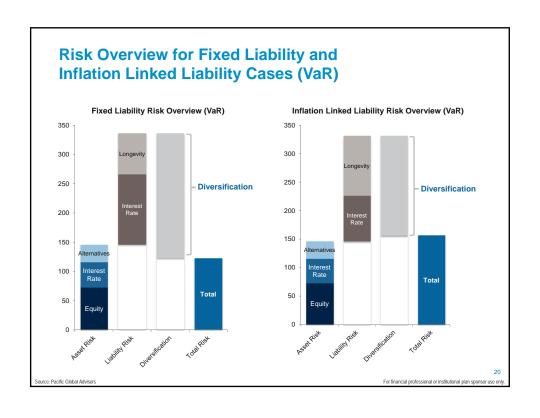


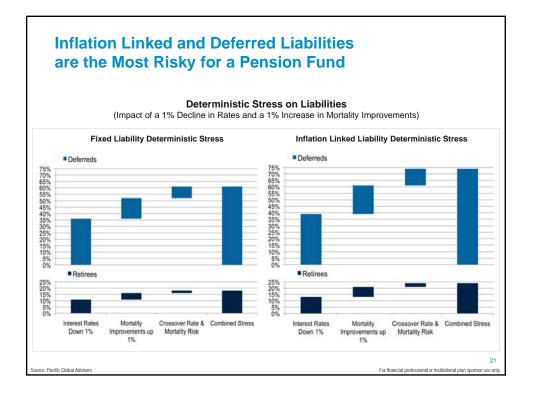












Interest rate risk, longevity risk, and inflation risk compound each other in the pension liability

——— therefore———

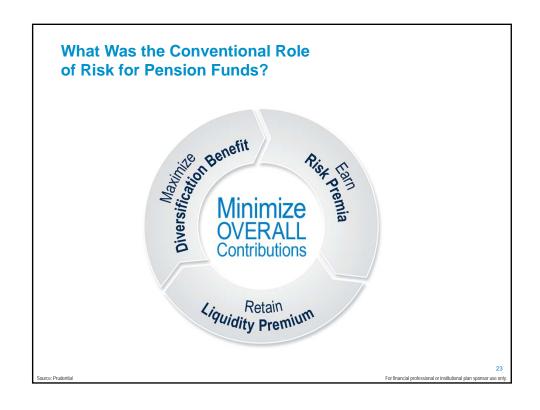
leaving longevity risk out of the analysis will underestimate total risk

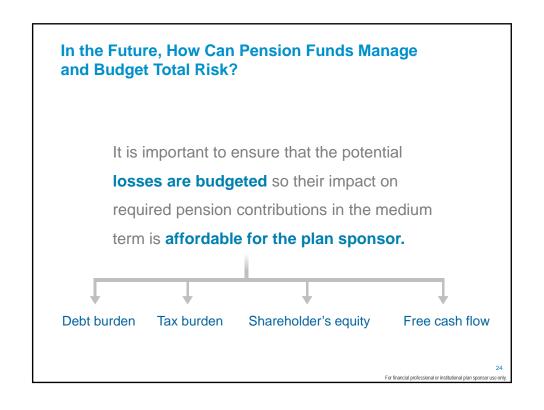
——— especially in regard to ————

inflation linked liabilities and deferred liabilities, because their longer durations make them significantly more sensitive to adverse outcomes

22

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Longevity risk is insured or hedged

Risk budgeting is used to gauge whether potential losses are affordable

Source: Prudential

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## A Pension Fund is the Plan Sponsor's Insurance Subsidiary

# Pension Funds Generally underfunded Funded Level Fully funded, plus reserves and capital High allocation to risky assets Asset Strategy Asset and liability matching Generally unhedged Longevity Risk Strategy Generally reinsured

The halfway point between these two models is a sensible approach for pension plans.

ource: Pruden

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Let's prepare for a longer retirement with sustainable DB plans.



The retirement security of real people depends on it.

27

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28

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