

London Borough of Merton Pension Fund

Advisory Panel Training 24 November 2021 2022 Actuarial Valuation

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What is a valuation?



Looking back to your last funding valuation



Funding position

- Liabilities of £698m
- Market value of assets £718m
- Funding level of 103%

Employer contributions

- Primary rate of 19%
- Total equivalent contribution rate 17.5%

Section 13

- SAB funding level 110%
- Green flags



What is a funding valuation?





- Financial value of a promise
- Member entitlements
- Funded scheme





- Long-term investments
- Suitable risk
- Investment return on assets



Contributions

- Employee & employer
- Stability
- Cost efficiency



age 19

Setting the contribution rates







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Funding strategy

- Employer covenant
- Employer circumstances
- Funding strategy statement

Primary rate

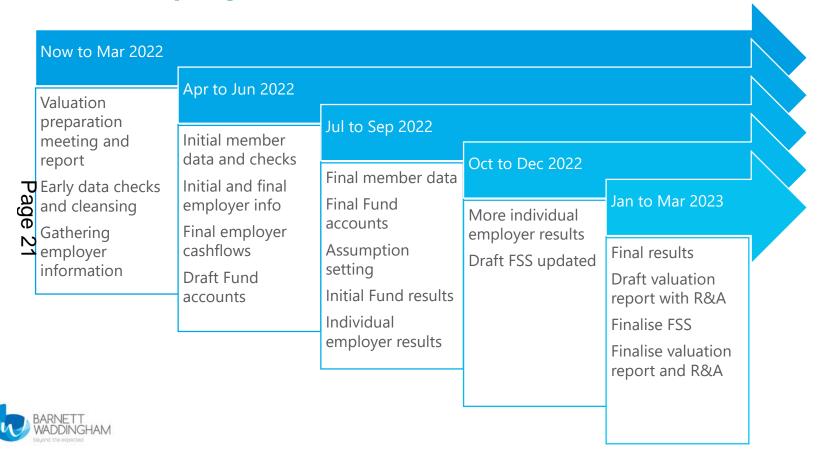
- Employer's share of cost of new benefits
- Over a period of time
- Current employees only

Secondary "rate"

- Adjustment to remove a deficit or surplus
- Over a period of time



Valuation project timescales



How to value liabilities





Valuing liabilities for each employer





Key actuarial assumptions - financial

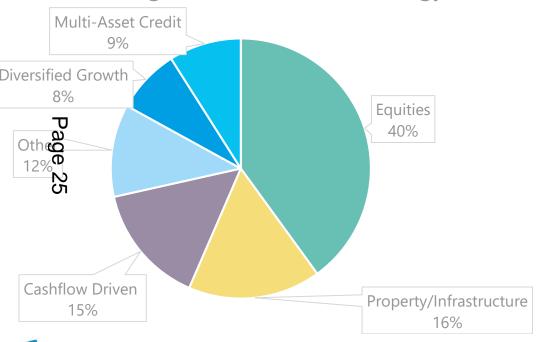
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Key assumption - discount rate

Fund's long-term investment strategy



Equities

• Dividend & capital growth

Property & Infrastructure

• Inflation plus a margin

Diversified growth

• Inflation plus a margin

Cashflow driven investment

Fund benchmark

Multi-asset credit

Fund benchmark

Impact of increase in each assumption



Pension increases (CPI)

- Increases liability for all members
- All benefit payments are higher

Salary increases

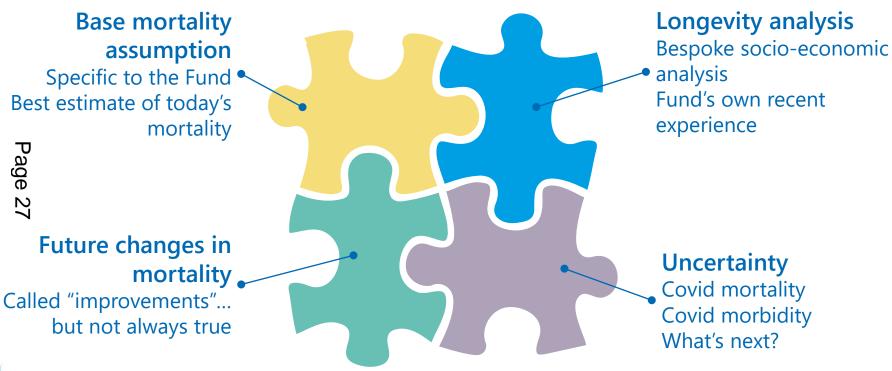
- Increases liability for active members
- Final salary benefit payments higher

Discount rate

- Reduces liability for all members
- Investment return does more work



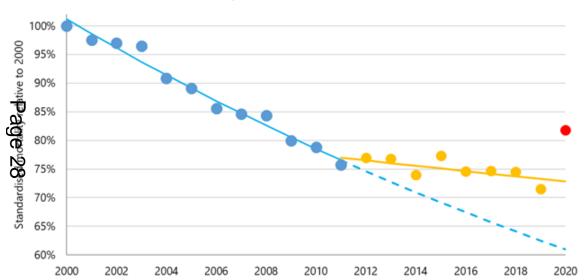
Key demographic assumption - mortality





How is mortality changing?





Source: Barnett Waddingham calculations based on Office for National Statistics data for England and Wales and Continuous Mortality Investigation Ltd (CMI) methodology

First recorded UK Covid death 30 January 2020

100,000 UK Covid deaths by 22 January 2021

124,000 deaths above 5 year average E&W (to November 2021)



First project cashflows....

Step 1

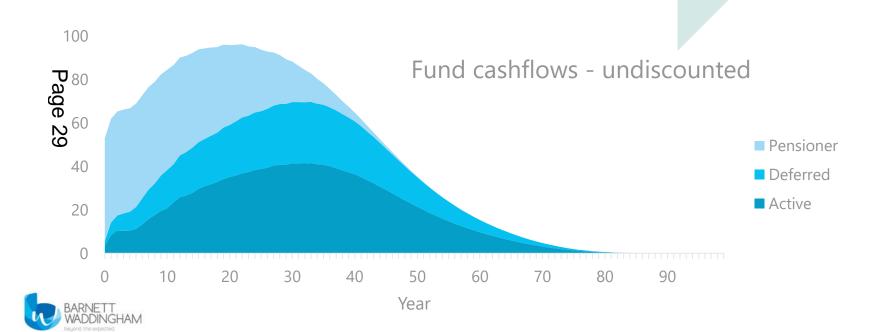
•Project all possible benefit payments for every member

Step 2

 Attach probabilities to each possible payment to get "expected" payments

Step 3

• then...



...then "discount" for today's values

Step 1

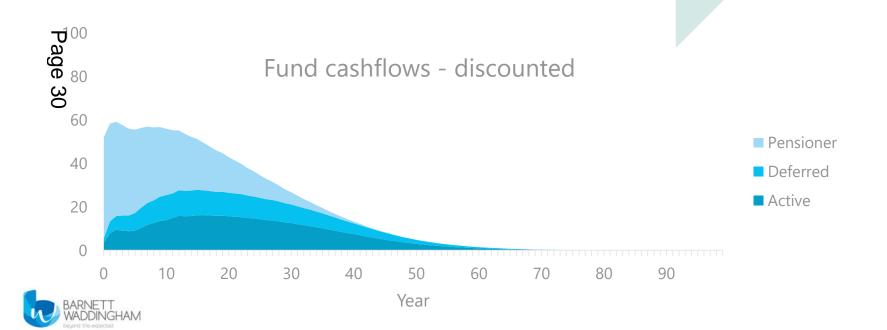
 Project all possible benefit payments for every member

Step 2

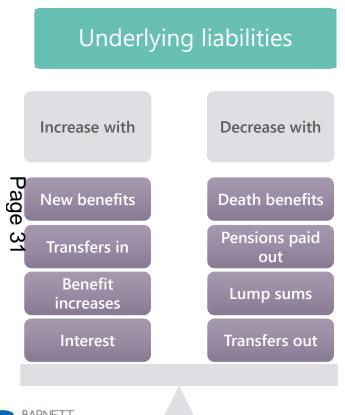
 Attach probabilities to each possible payment to get "expected" payments

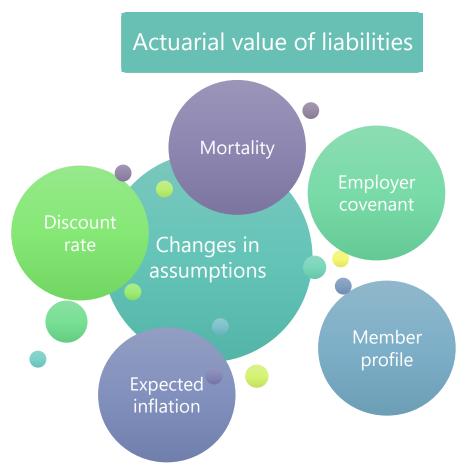
Step 3

 Then discount payments to today's "present value"



How do liabilities change over time?







Valuing assets for each employer



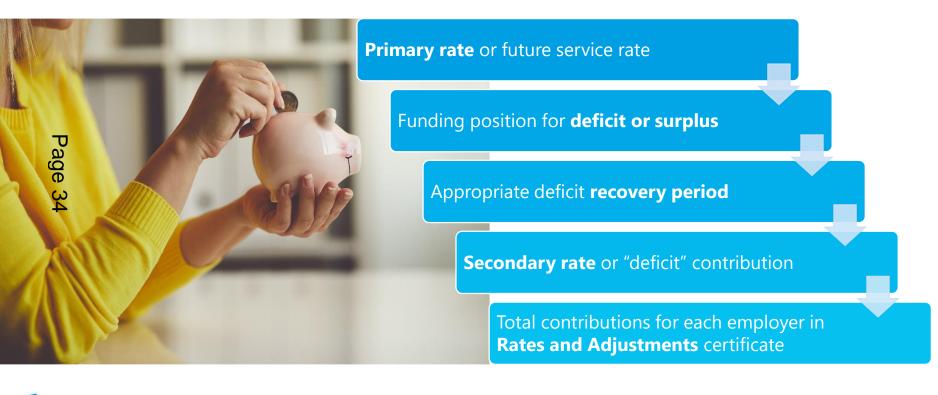


Employer contributions





Contribution rates for each employer





What affects employer contribution rate?

Primary rate

Employer share only

• Membership profile



Secondary rate

Deficit recovery period

Regular lump sums, % of payroll, something else?



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Funding risks

Employer covenant





Funding strategy statement

- Stability
- Solvency & long-term cost efficiency





Looking ahead to key issues



Wider key issues



Covid

- Short and long term impact
- Mortality and morbidity
- Demographic changes

Climate emergency

- Working with investment advisers
- Scenario analysis

Future inflation

- Long term inflation
- Employee participation



THANK YOU

