Warwickshire Pension Fund 2019 valuation

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Quiz – Countdown

- 1. A million seconds is equivalent to 12 days. What is equivalent to a billion seconds?
 - a) 11.5 months
 - b) 3 years
 - c) 31 years
- 2. Of the 51,363,611 5km Park Runs completed, how many have been faster than Eliud Kipchoge's 1h 59m 40s marathon pace?
 - a) 513,000 1%
 - b) 51,363 0.1%
 - c) 5-0.00001%
- 3. What is the longest recorded flight of a chicken?
 - a) 2 seconds
 - b) 13 seconds
 - c) 5 minutes

Valuation introduction

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2019 valuation timeline



New employer contributions start to be paid



Determined by investment strategy & manager performance Determined by LGPS Regulations Must meet balance of cost over longer term

Why we do a valuation



Calculate employer contribution rates



• Compliance with legislation



Analyse actual experience vs assumptions



Review Funding Strategy Statement



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Part of continual 'health check' on fund solvency



Membership data received and validated



Actives

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The fund has continued to grow in size, increased burden on the admin team

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Clean data and its importance

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What data are we talking about?







The importance of clean data





Impact of incorrect data Pensionable Pay:



Example (Active Member)

Sex	DOB	Start Date	FTE Salary £	Liability £	Annual CARE £
Μ	01/01/1954	01/01/1998	10,5 00	50,667	214
М	01/01/1954	01/01/1998	15,0 00	76,000	306
			+50%!	Í	

Please note – all figures and calculations contained herein are based on a number of assumptions and are therefore for illustrative purposes only.





Employer engagement is essential





Valuation assumptions – what's changed?

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The purpose of a valuation is to review each of these sections and set a prudent plan to pay each member's benefits

Why do we need assumptions?



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The key valuation decision is the balance of contributions and investment performance





What is the outlook for the return on the assets the Fund holds?

3.8% p.a.

2016

3.7% p.a.

2019

Assets have increased in price

Change

Price increases mean assets now cost more When assets cost more, outlook for returns is lower

Impact

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Future pay increases



Budget 2013: Public sector pay rise cap extended

O 20 March 2013

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A 1% pay rise cap for public sector workers will be extended for an extra year to 2015-16, Chancellor George Osborne has announced.

The move comes as some civil servants stage a one-day strike over pay and pensions.

Mr Osborne said that public sector pay would be limited to an average of 1% including in 2015-16.



The finances of many public sector workers will be affected by a pay cap



Hundreds of thousands of public sector workers are reportedly in line to get a pay rise.

Long-term pay increase assumption up from 0.6% to 0.8% above CPI inflation



GETTY IMAGES



Falling life expectancy makes headlines



Falling life expectancy to slash pension scheme liabilities



"...£2bn windfall to the life sector."

HailOnline

British life expectancy falls by SIX MONTHS for men and women with experts blaming NHS cuts and a rise in dementia, diabetes and obesity

"...pension firms have already began to cash in on falling life expectancies."

THE WALL STREET JOURNAL.

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MARKETS | HEARD ON THE STREET

Life Was Short for Longevity Gains

Life expectancy at 65 is falling and that means cash windfalls for insurers







Is it fake news?

Period life expectancy from age 65



True for the general population...





Not the same for everyone

Group	Annualised mortality improvement (age-standardised)			
	2001-2006	2006-2011	2011-2016	
General Population	3.0% (±0.1%)	2.6% (±0.1%)	0.9% (±0.1%)	
Comfortable	2.0% (±0.6%)	2.6% (±0.4%)	1.5% (±0.4%)	
Making-Do	2.9% (±0.4%)	2.9% (±0.3%)	1.1% (±0.3%)	
Hard-Pressed	2.6% (±0.4%)	3.1% (±0.3%)	0.7% (±0.3%)	

Typical LGPS Fund Profile



Less impact than the headlines suggest



McClouds on the horizon





Impact on 2019 valuation

- What benefit structure to value?
 - Actuaries should value the current benefits*
- How will the fund manage the risk over benefit structure uncertainty?



- Increase prudence when setting rates via higher likelihood of meeting the funding target
- Can funds revisit rates after the valuation once the case is resolved?
 - Yes
- What about employers leaving the fund?
 - If you leave the fund before the case is resolved, you may be asked to pay more to cover the potential cost of improved benefits



No significant change to assumptions since the last valuation "No news is good news!"



Setting employer rates – what's changed?

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Recap: how we calculate contributions



The method for setting contribution rates allows for future uncertainty and helps all stakeholders understand the risk inherent in funding plans

Test contributions under thousands of economic scenarios



interest rates etc

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Combining it all together



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2016 valuation: funding strategy

	Ø			
Employer type	Funding target	Time horizon	Likelihood of success	Stabilised contributions
Councils and Police	Ongoing	Long	66%	Yes
Academies	Ongoing	Long	66%	No
Colleges	Ongoing	Long	75%	No
Transferee Admission Bodies	Ongoing	Short	66%	No
Community Admission Bodies	Cessation	Medium/Short	75%	No

Ensuring funding strategy is appropriate for each employer group



2019 valuation: funding strategy

	Ø			
Employer type	Funding target	Time horizon	Likelihood of success	Stabilised contributions
Councils and Police	Ongoing	Long	70%	Yes
Academies	Ongoing	Long	70%	No
Colleges	Ongoing	Long	80%	No
Transferee Admission Bodies	Ongoing	Short	70%	No
Community Admission Bodies	Cessation	Medium/Short	80%	No

Higher likelihoods applied to cover emerging risks at this valuation

Where to find further information



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Narvickshire Pension Fund Funding Stratement March 2017	
PUBLIC SECTOR	

Funding Strategy Statement details the Fund's approach to funding benefits for all employers and managing risks



Results– whole fund

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Whole Fund funding position - change

	2016 valuation (£m)	2019 valuation (£m)
Active liabilities	736	809
Deferred pensioner liabilities	409	503
Pensioner liabilities	878	1,033
Total liabilities	2,023	2,346
Assets	1,665	2,166
Surplus/(Deficit)	(358)	(180)
Funding level	82%	92%

Funding level shows a snapshot on one particular day, but funding pension benefits is a long term game

What's changed since 2016?

Change in value (£m)	Assets	Liabilities	Surplus / (Deficit)
Last valuation – 31 March 2016	1,665	2,023	(358)
Cashflows			
Employer contributions paid in	167		167
Employee contributions paid in	51		52
Benefits paid out	(223)	(223)	0
Net transfers into / out of the Fund	7		7
Other cashflows (e.g. expenses)	(6)		(6)
Expected changes in membership			
Interest on benefits already accrued		242	(242)
Accrual of new benefits		251	(251)
Membership experience vs expectations			
Salary increases less than expected		(1)	(1)
Benefit increases less than expected		(0)	0
Early retirement strain & contributions	0	17	(17)
Ill health retirement strain		(9)	9
Early leavers less than expected		(2)	2
Pensions ceasing greater than expected		4	(4)
Commutation less than expected		0	(0)
Impact of GMP equalisation		3	(3)
Other membership experience		(8)	8
Change in market conditions			
Investment returns on the Fund's assets	505		505
Changes in future inflation expectations		67	(67)
Changes in actuarial assumptions			
Change in demographic assumptions		(5)	5
Change in longevity assumptions		(67)	67
Change in salary increase assumption		7	(7)
Change in discount rate		47	(47)
This valuation – 31 March 2019	2,166	2,346	(180)

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Source: Hymans Robertson, Warwickshire Pension Fund

Results– employer level

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Range of employer funding levels

2019 valuation - distribution of employer funding levels



Most employers will see an improved funding level versus 2016, but there is a wide range

HYMANS **‡** ROBERTSON Source: Hymans Robertson, Warwickshire Pension Fund

Range of employer contribution rates

Distribution of employer contribution rates



Source: Hymans Robertson, Warwickshire Pension Fund, rates in payment for 2019/20

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Next steps

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2019 valuation timeline



New employer contributions start to be paid

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Thank you

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