

The distribution of UK earnings: Soft-peaks, sharp-edges and shifting dynamics

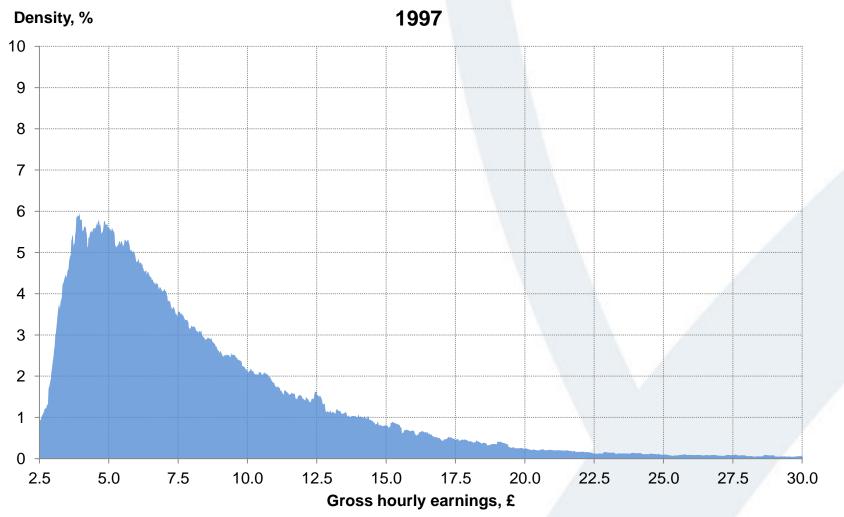
Dr Philip Wales Head of Economic Analysis, ONS

Outline

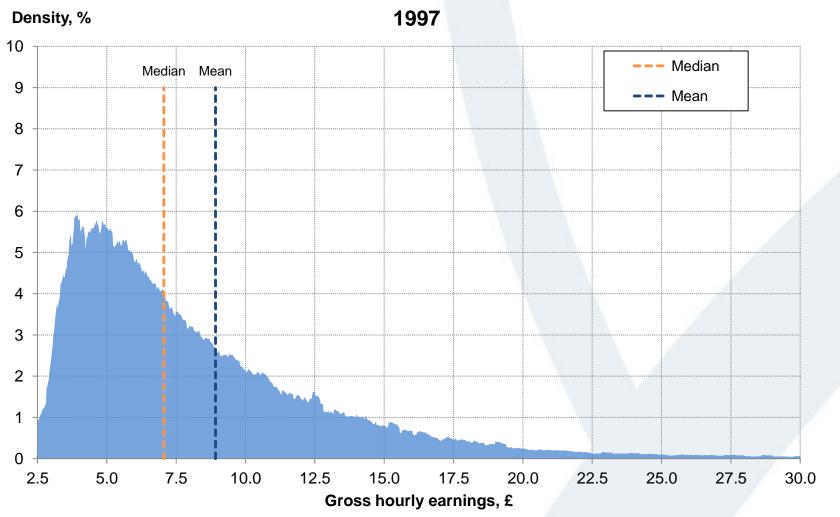
- Distribution of earnings levels
- Distribution of earnings growth

Distribution of earnings: levels

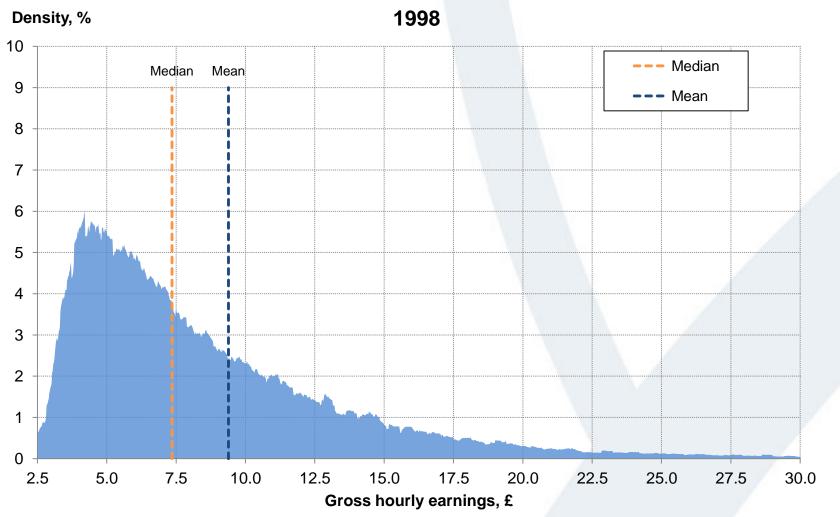
 Substantial variation in the rates of hourly pay for employees in the UK...



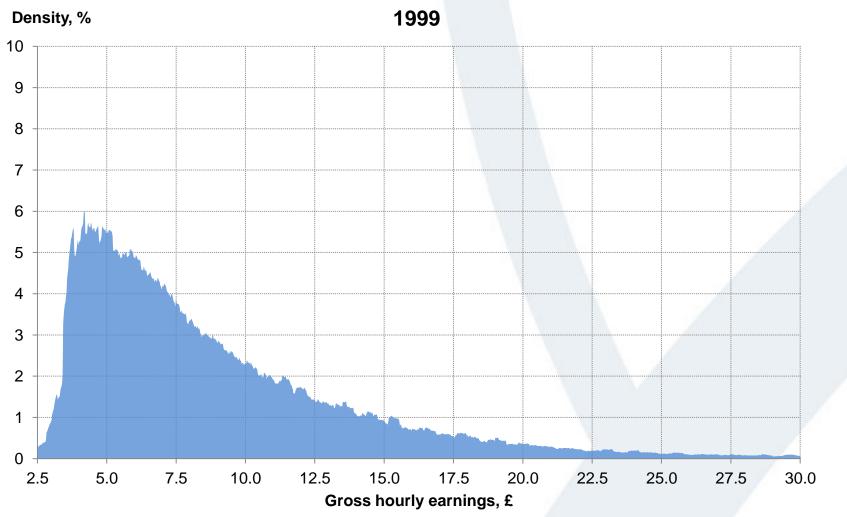
Source: Annual Survey of Hours and Earnings



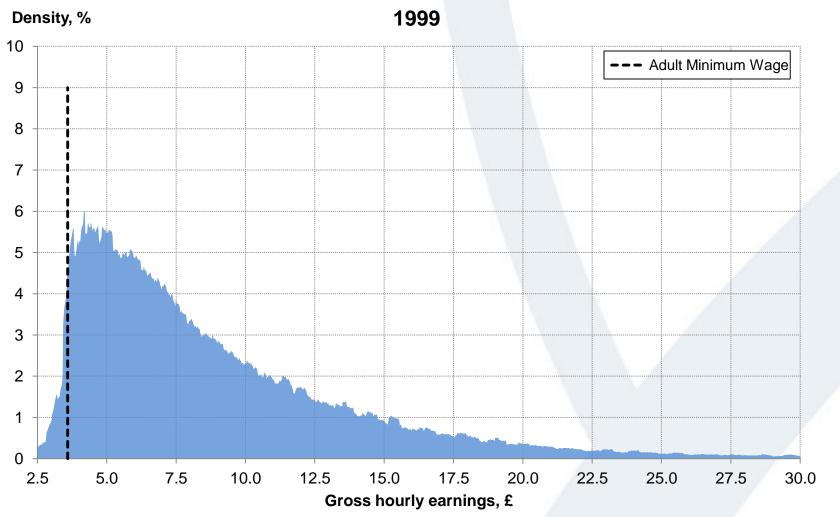
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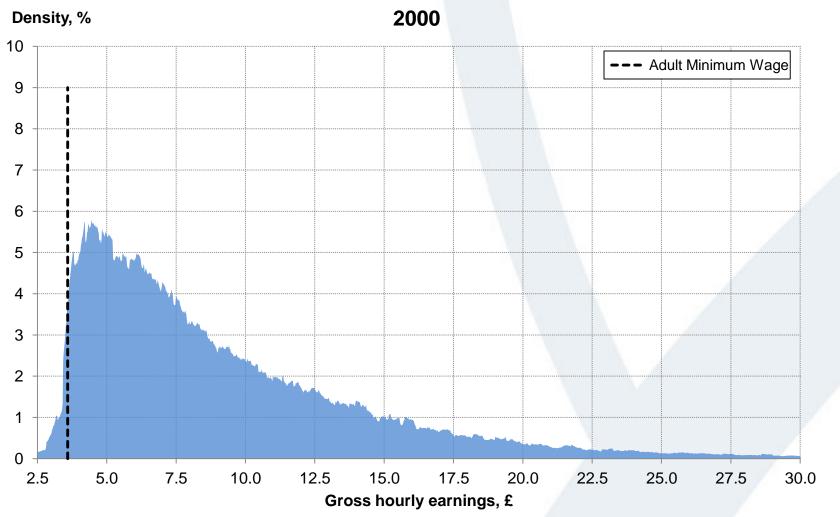
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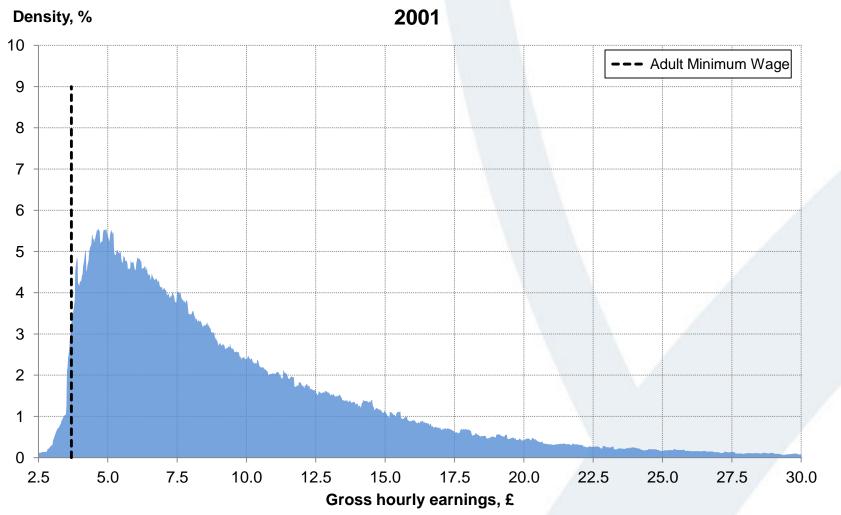
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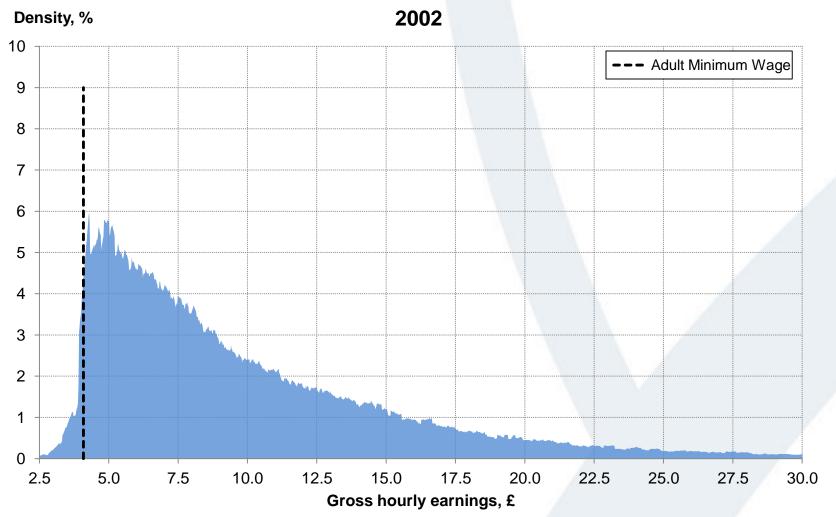
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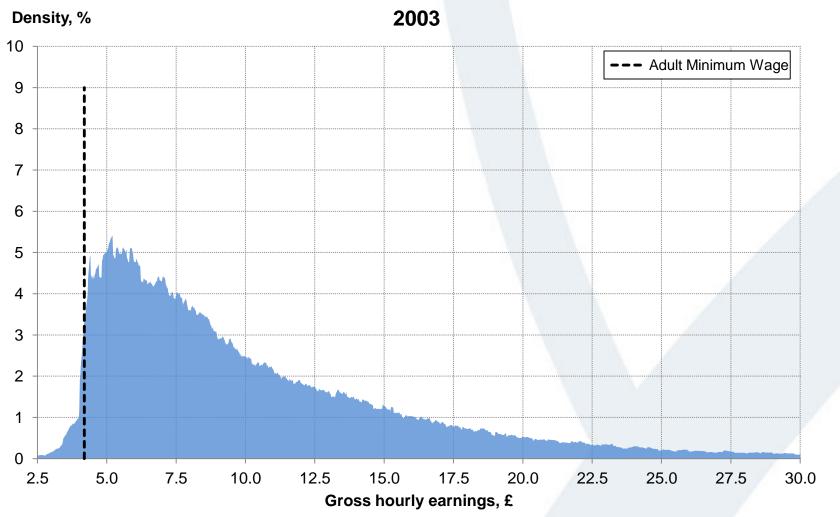
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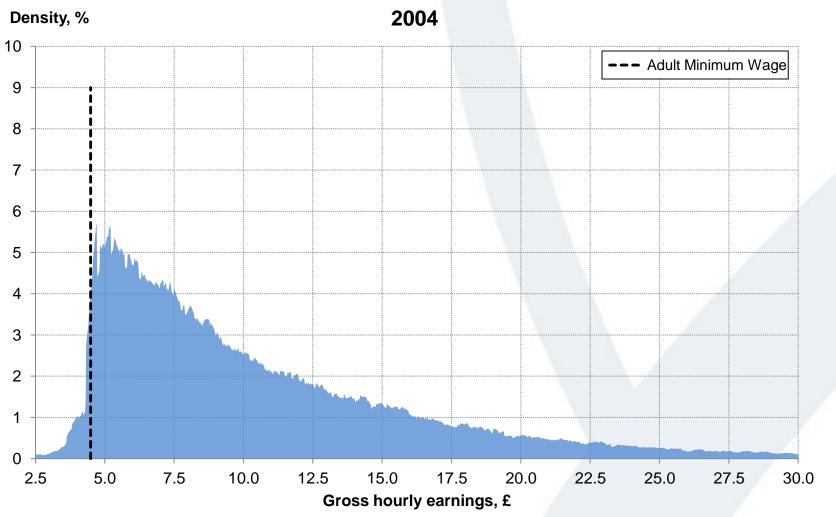
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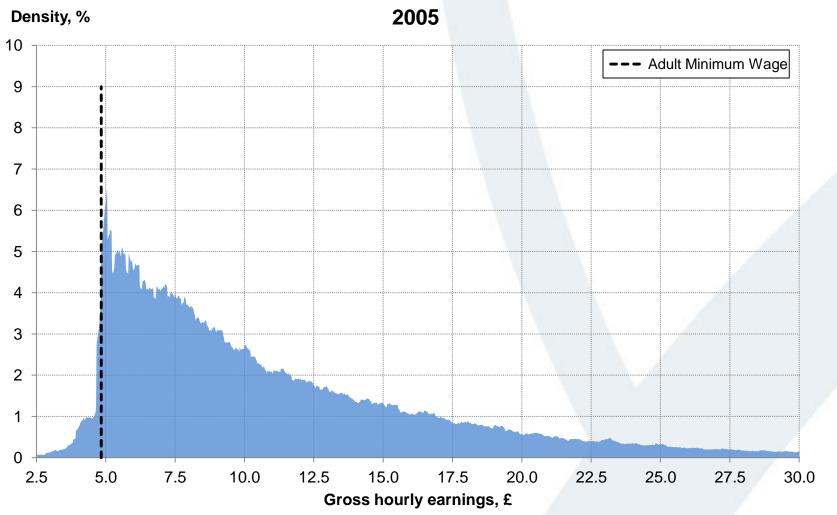
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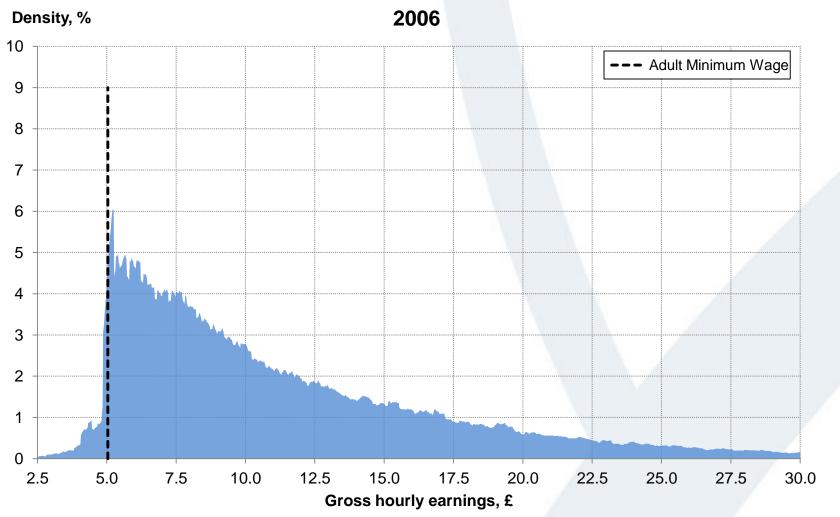
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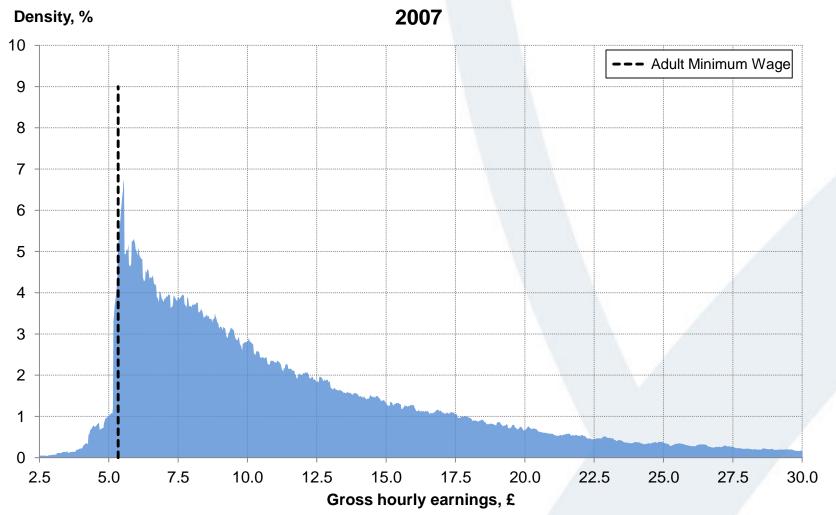
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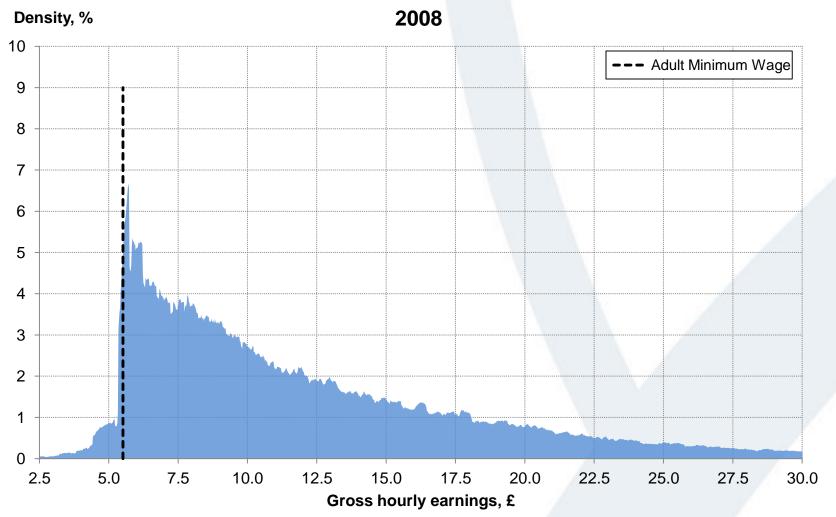
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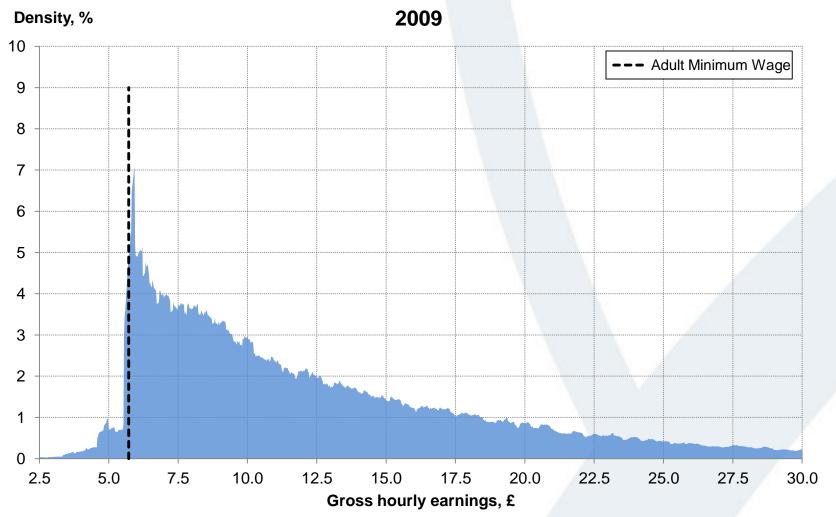
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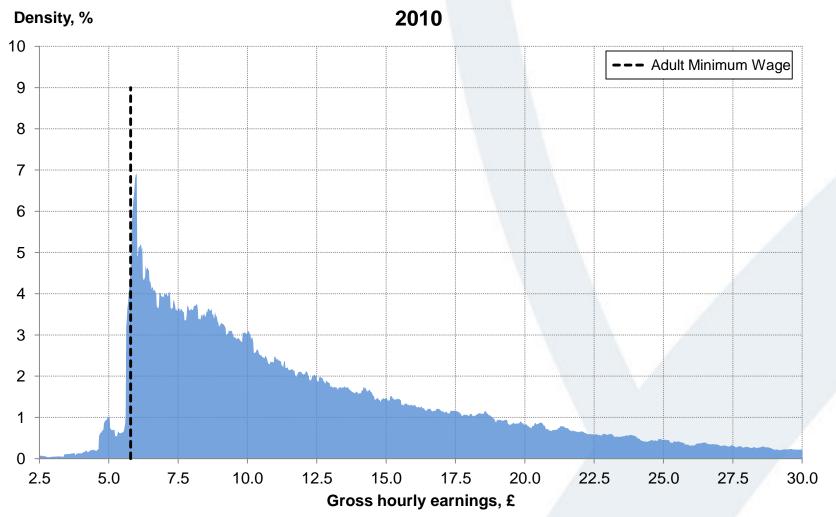
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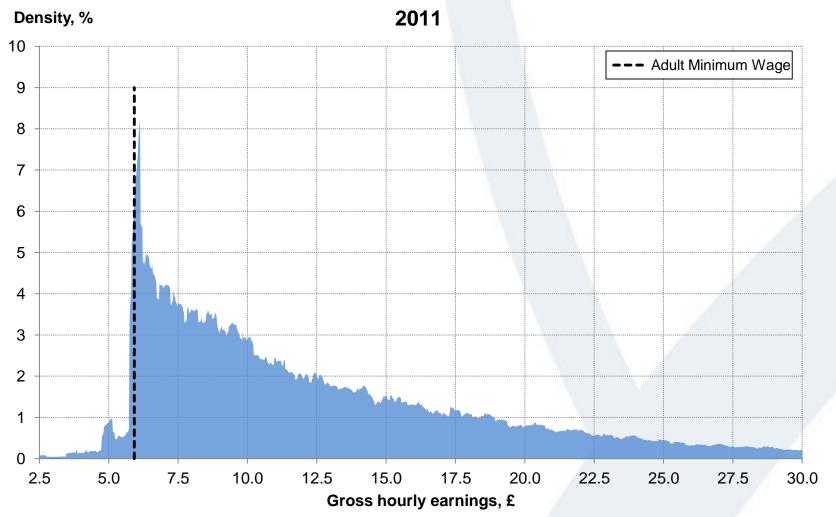
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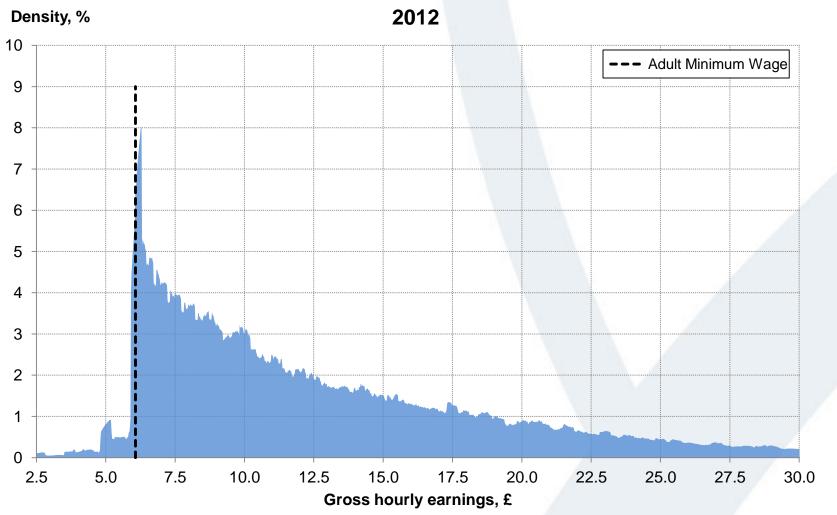
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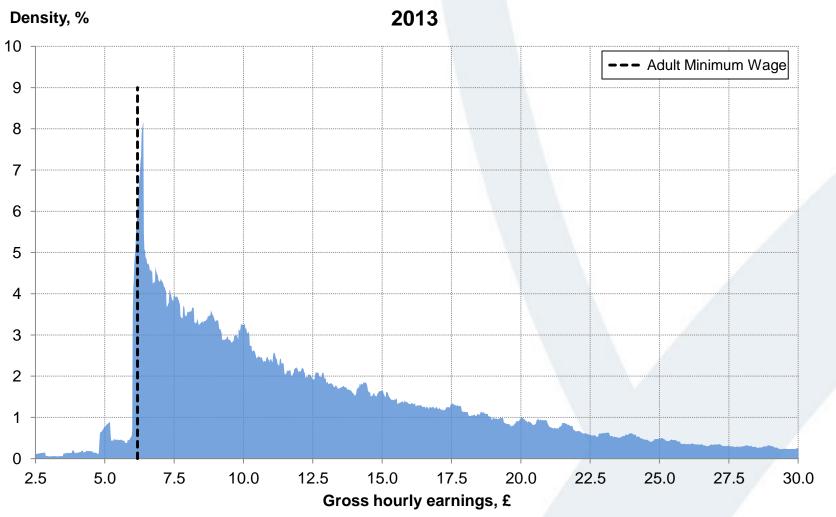
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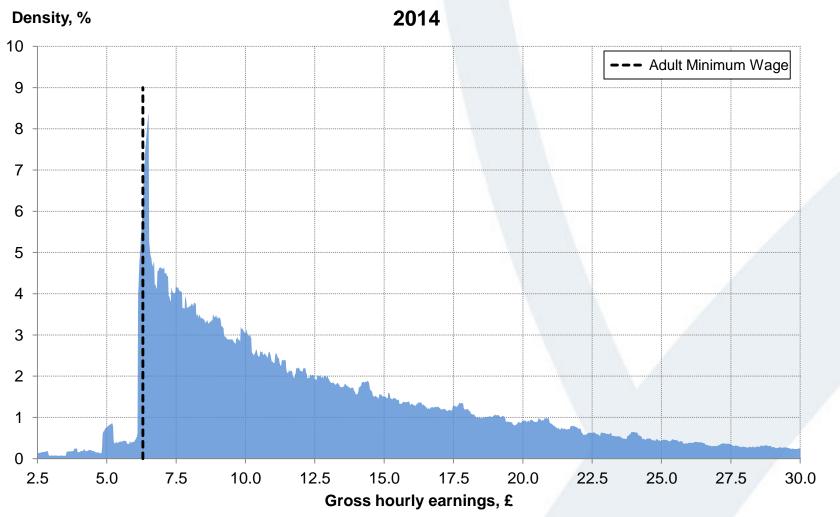
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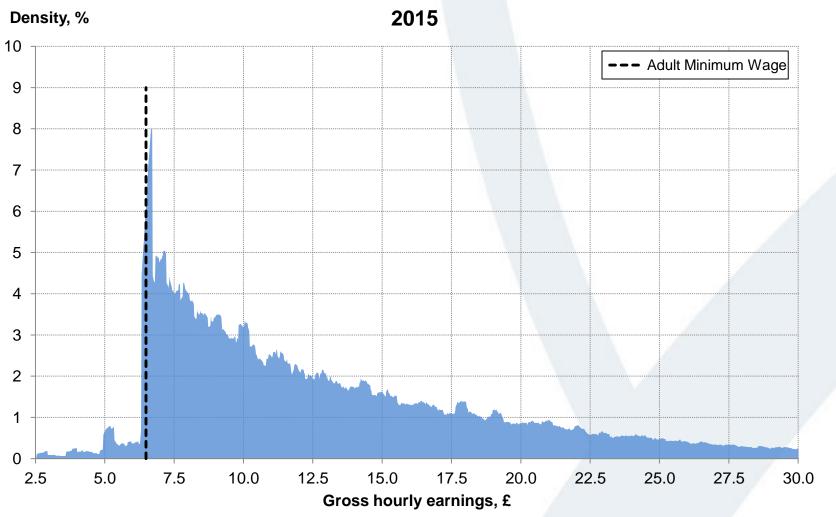
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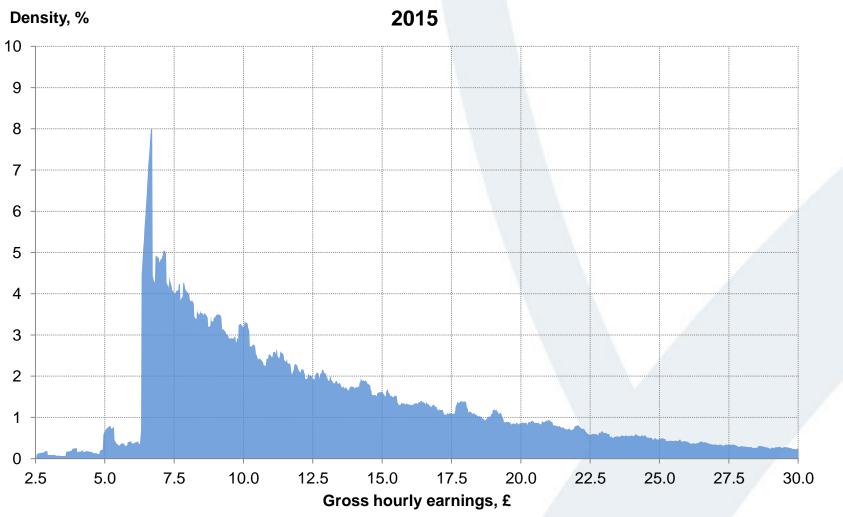
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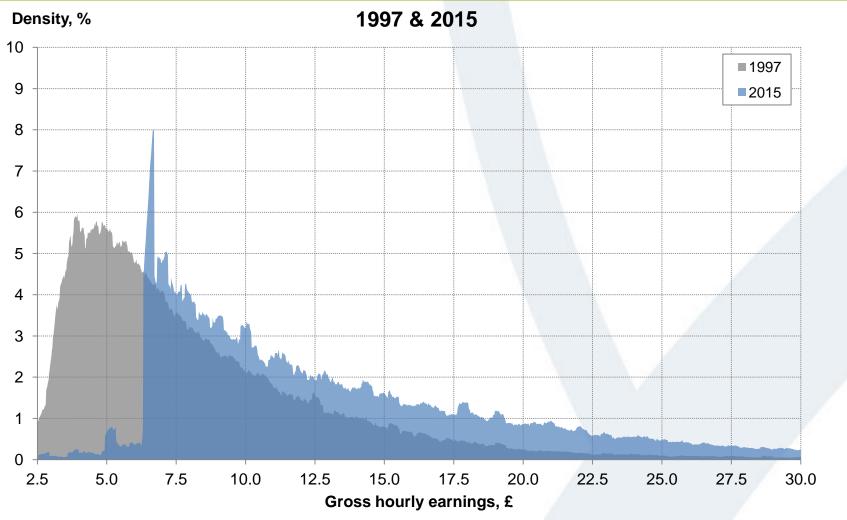
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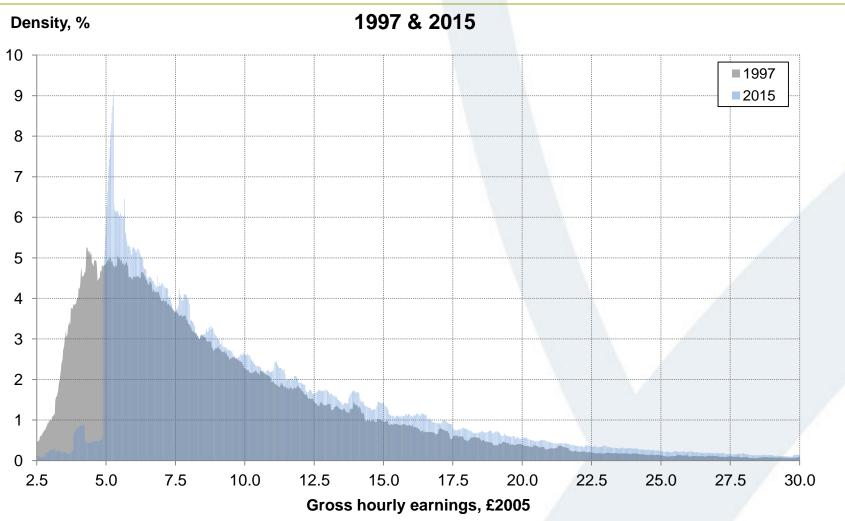


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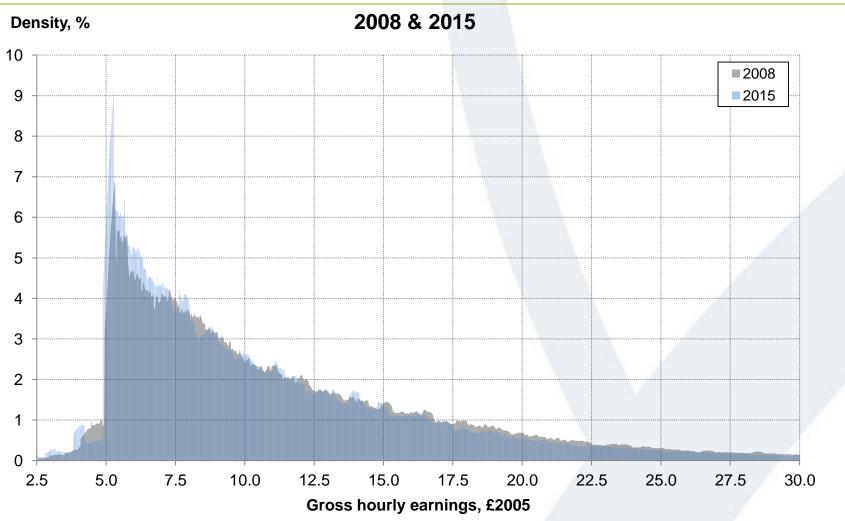
Source: Annual Survey of Hours and Earnings

ASHE - earnings distribution (real)



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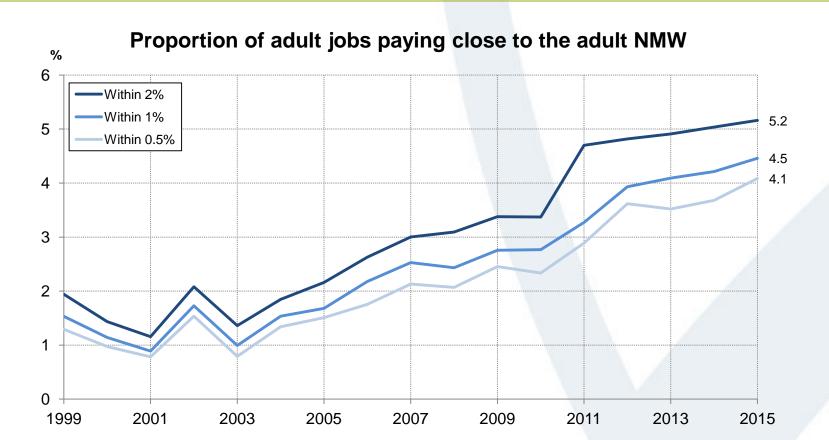
Distribution of earnings: levels

 Substantial variation in the rates of hourly pay for employees in the UK...

Distribution of earnings: levels

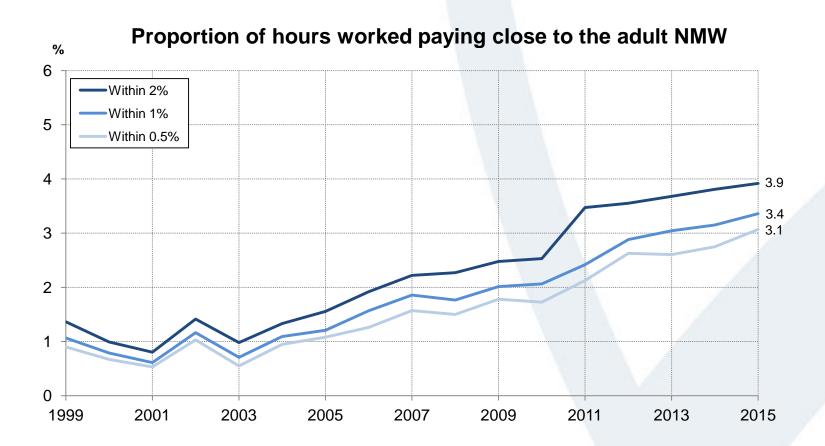
- Substantial variation in the rates of hourly pay for employees in the UK...
- ...but there is an emerging 'mass' in the distribution at the minimum wage...

Proportion of jobs paying close to NMW



Source: Annual Survey of Hours and Earnings, ONS calculations
Note: Adults are defined in accordance with the NMW adult rate, i.e. Between 1999 and 2008, adults are 22 and over. From 2009 onwards, adults are 21 and over . No account made for apprenticeships.

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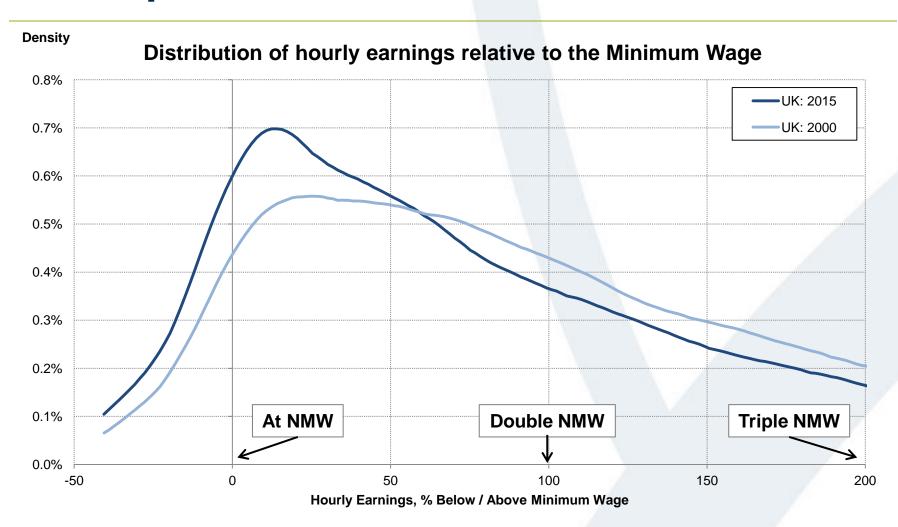
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- ... as well as a growing concentration of individuals just above the minimum wage...

Compression above NMW?



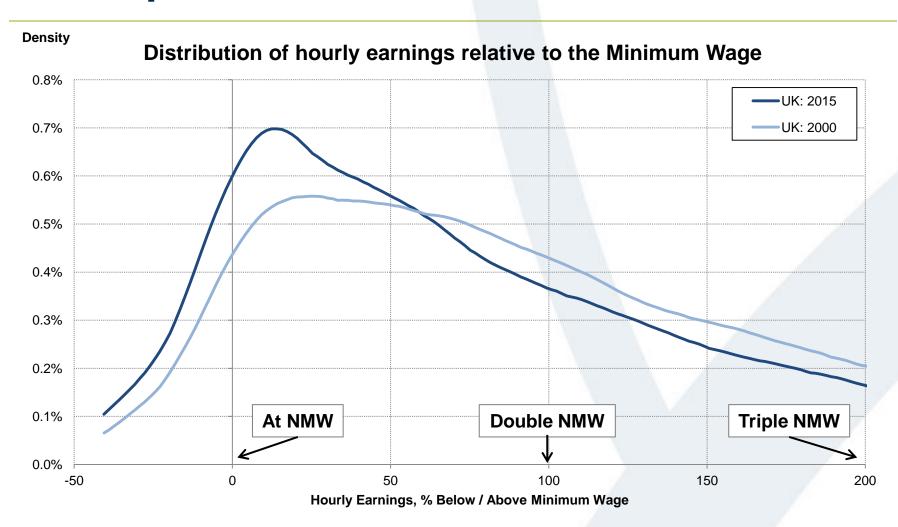
Source: Labour Force Survey, ONS calculations.

ASHE - levels

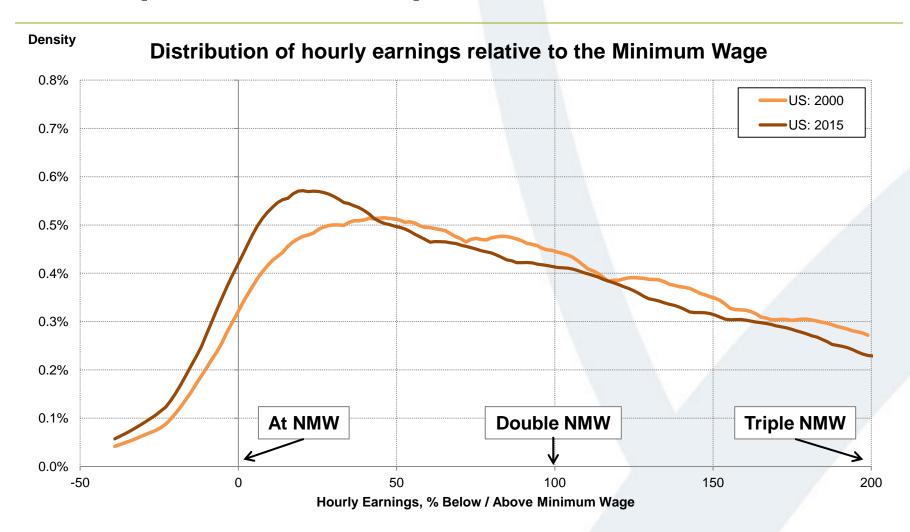
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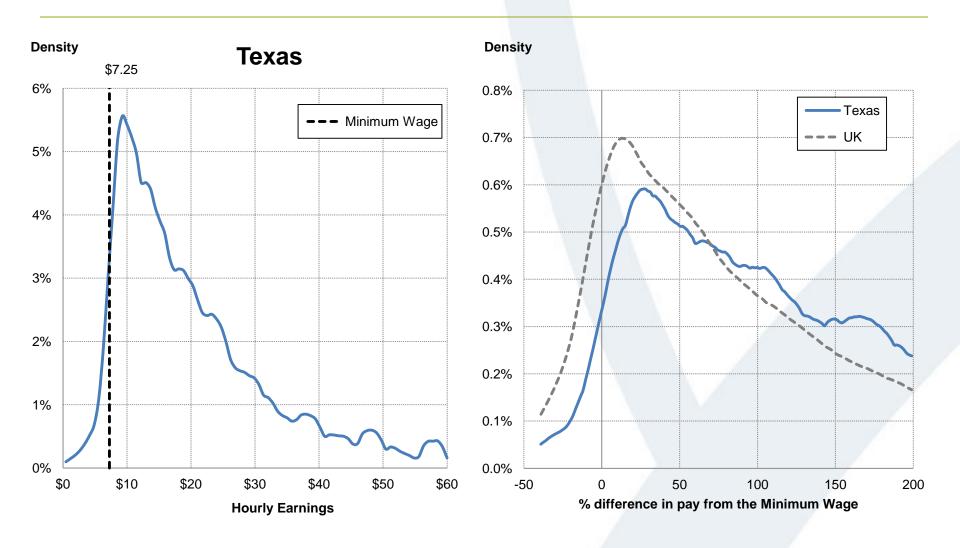
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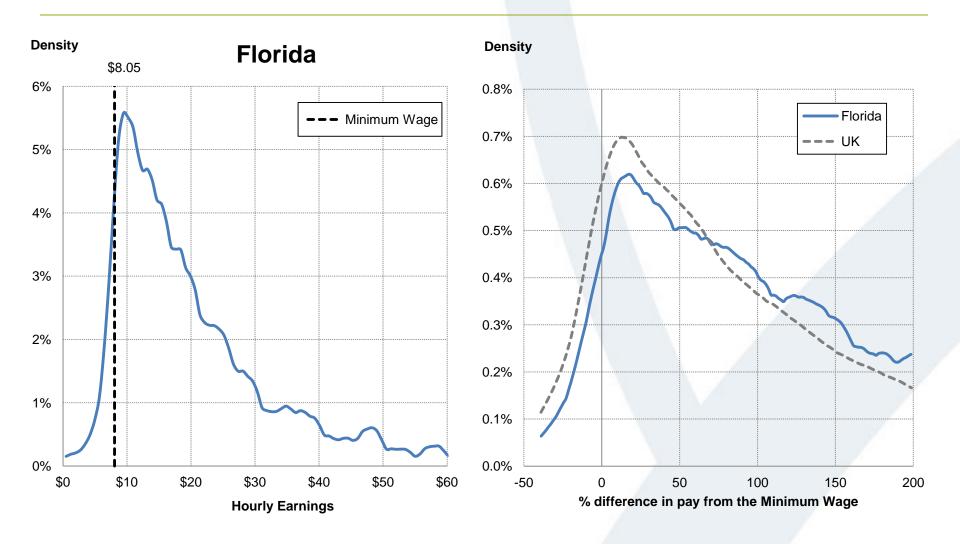
- Substantial variation in the rates of hourly pay for employees in the UK...
- ...but there is an emerging 'mass' in the distribution at the minimum wage...
- ... as well as a growing concentration of individuals just above the minimum wage...
- ... and there is some evidence that this experience is not unique to the UK.

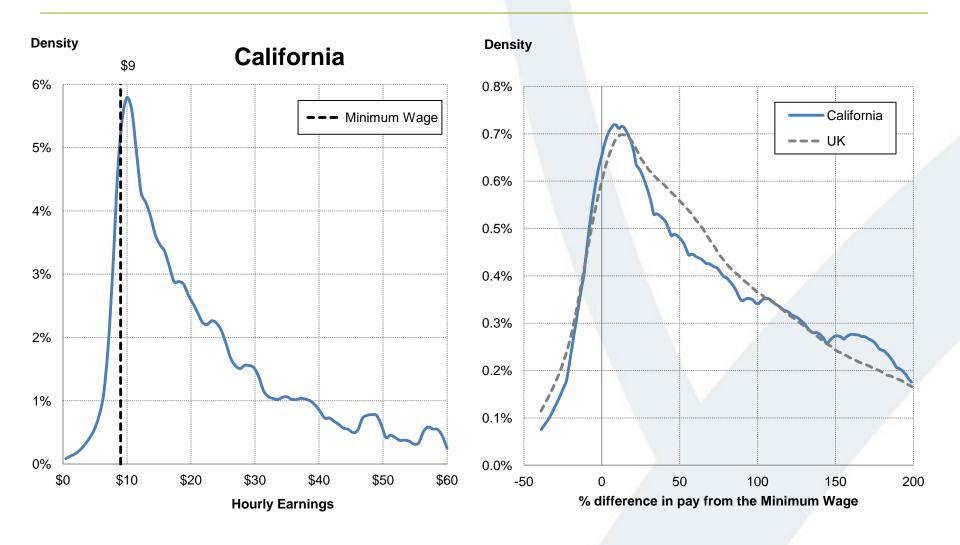


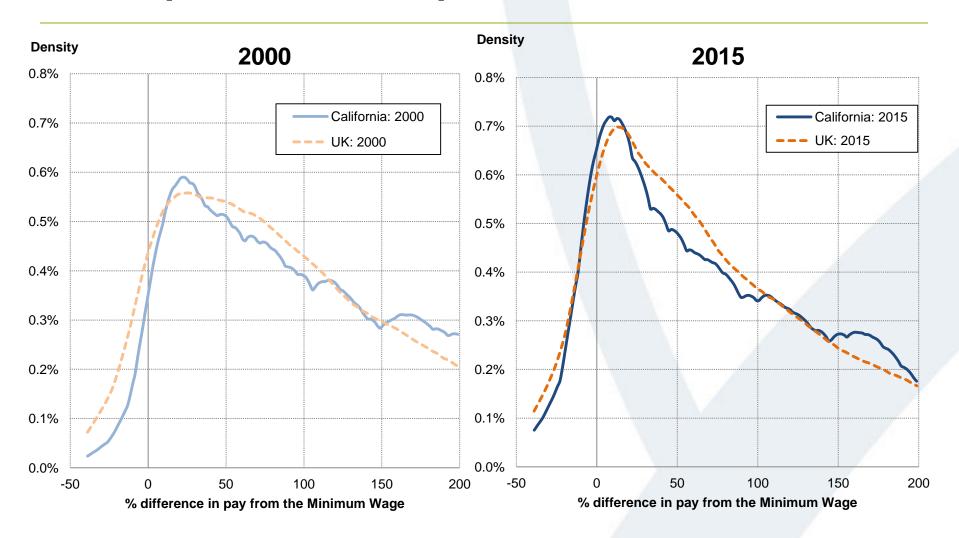
Source: Labour Force Survey, ONS calculations.





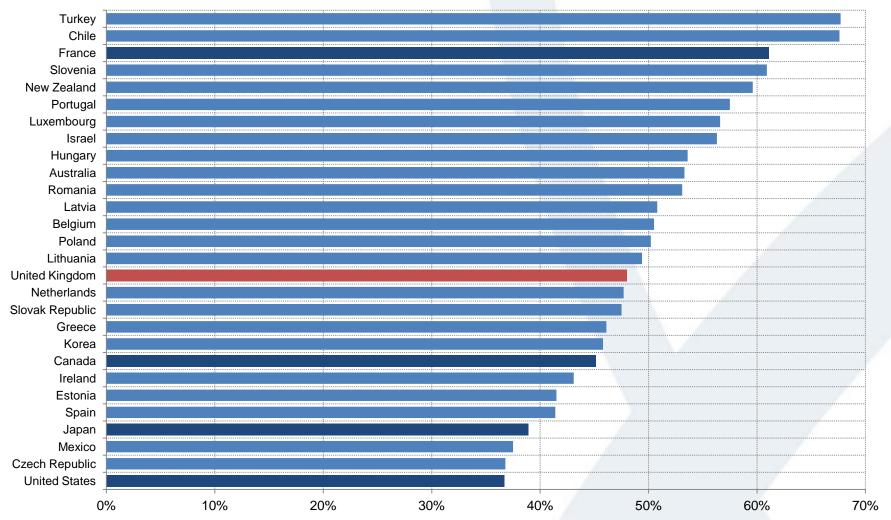






Proportion of jobs paying close to NMW

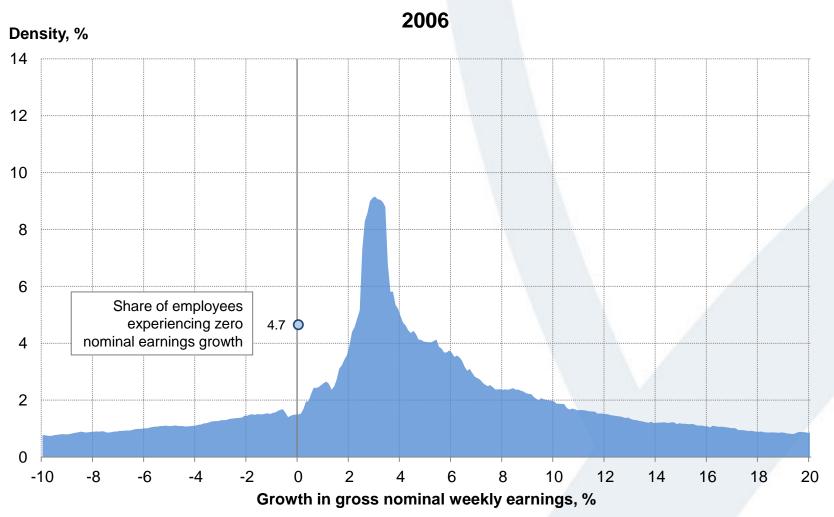
Minimum Wage Relative to Median Wage of Full-time Workers: 2014

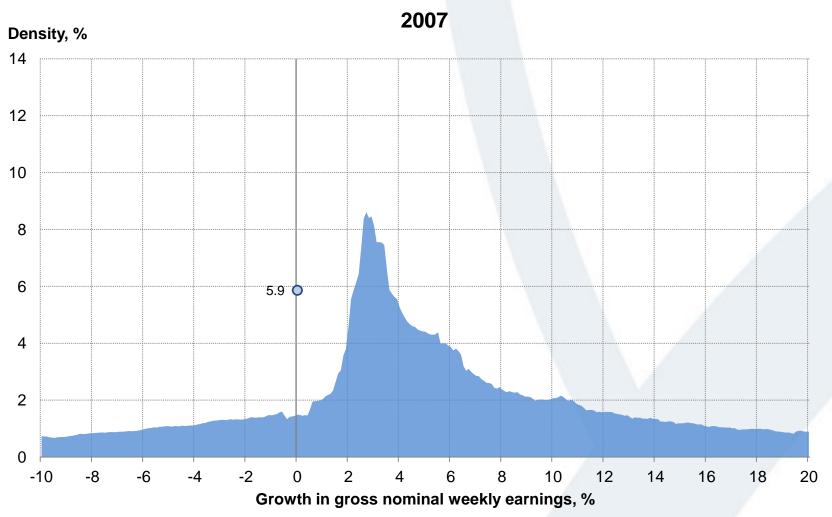


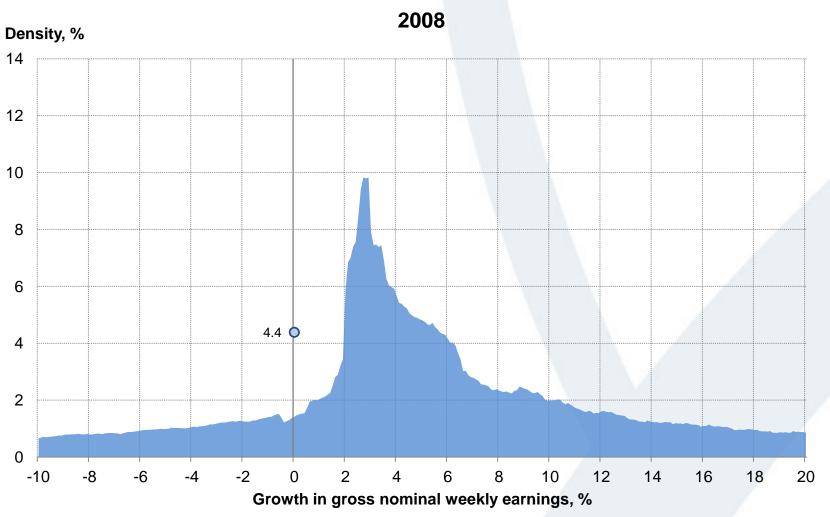
Source: OECD

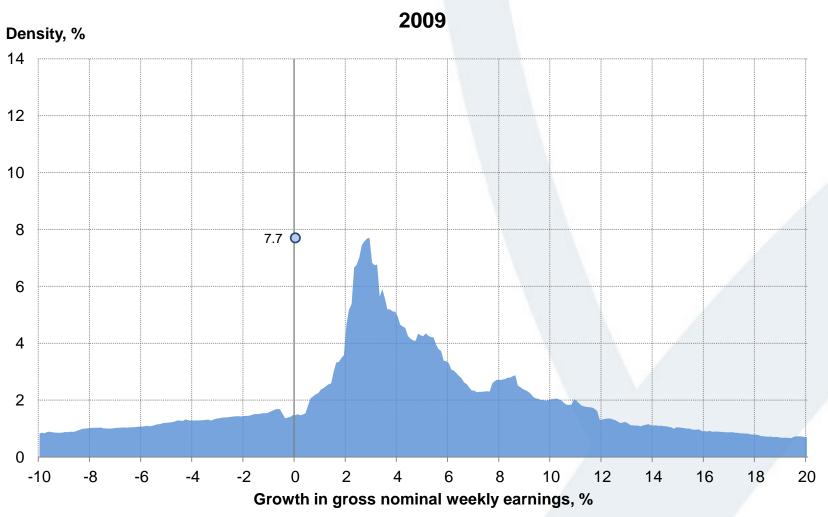
ASHE - growth

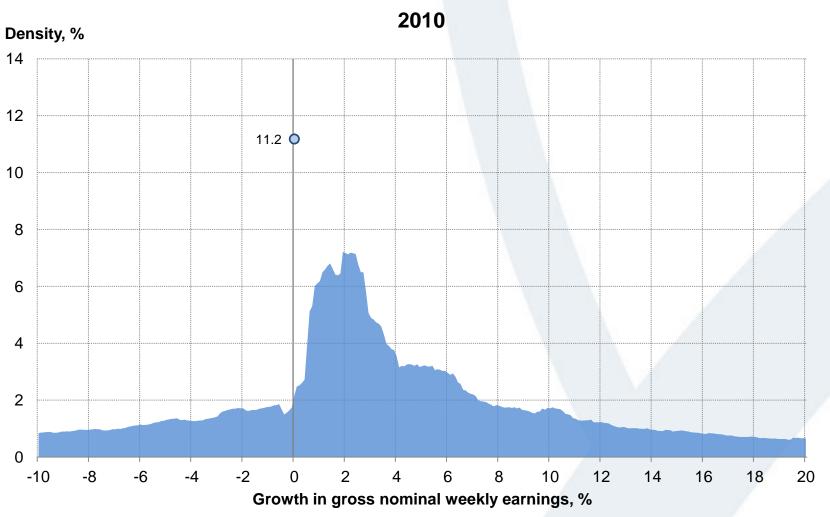
- While the levels are interesting from a distributional perspective, earnings growth is key from a 'spare capacity' perspective.
- Can examine the 'typical experience of earnings growth' using data on those who are employed in consecutive periods. This differs from the 'growth of the median'
- Distribution of earnings growth also varies considerably through time

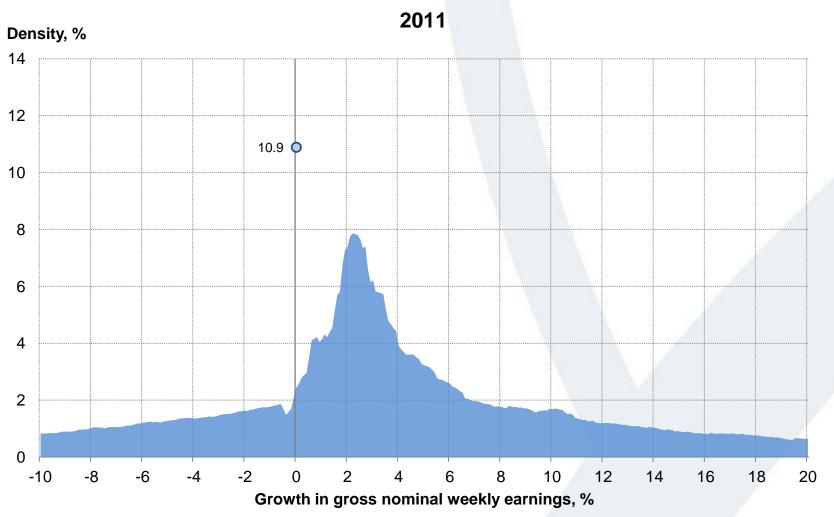


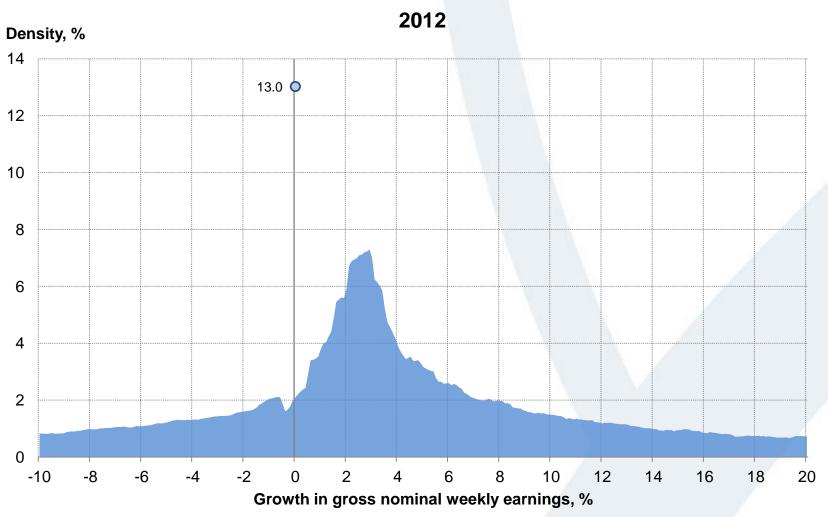


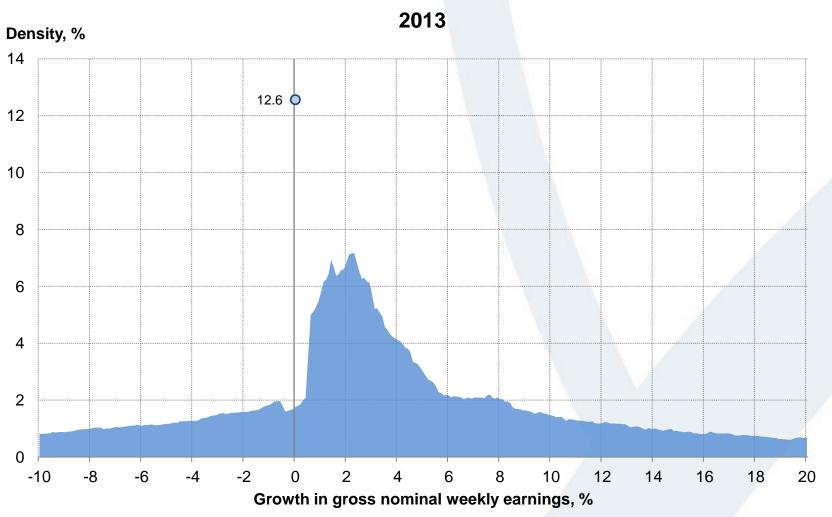


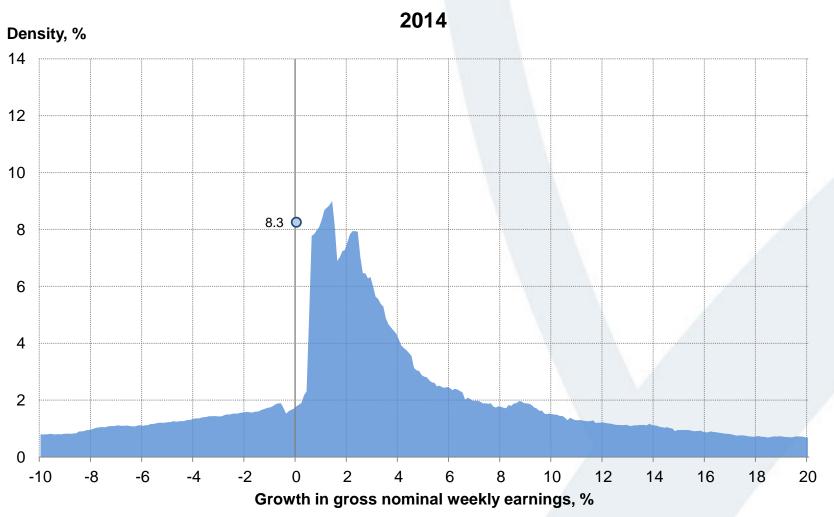


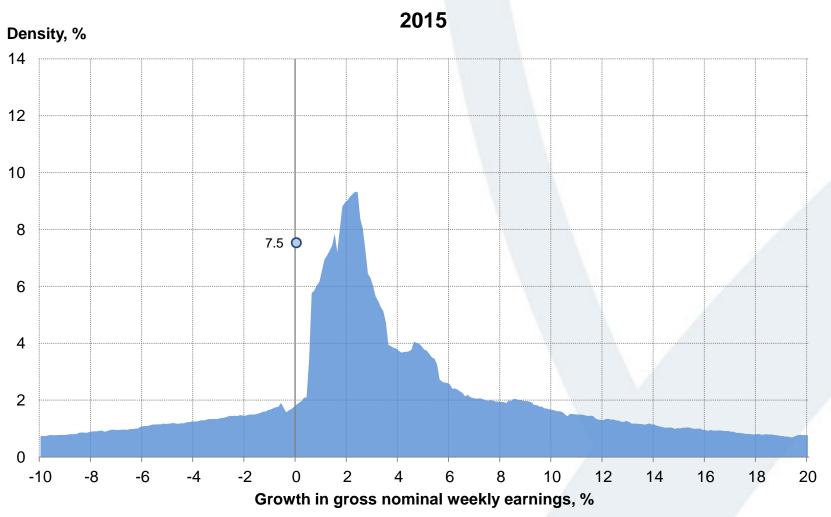






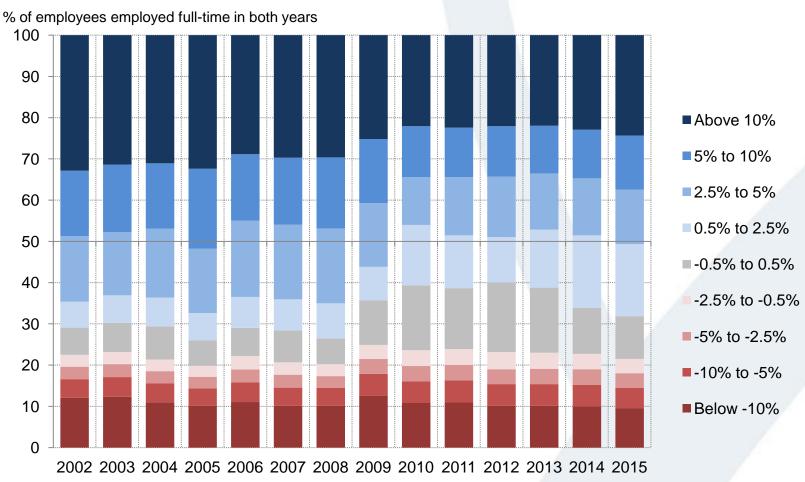






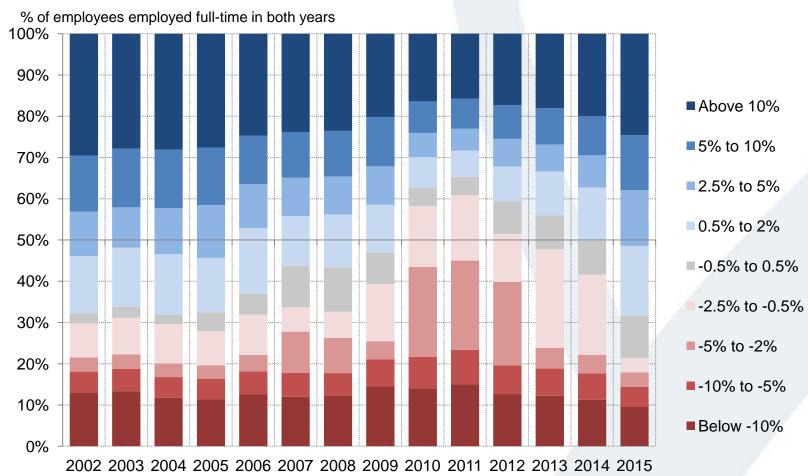
Distribution of nominal earnings growth

Percentages of FT Employees by their annual rate of nominal weekly earnings growth



Real earnings growth more prevalent in 2015...

Percentages of FT Employees by their annual rate of real weekly earnings growth

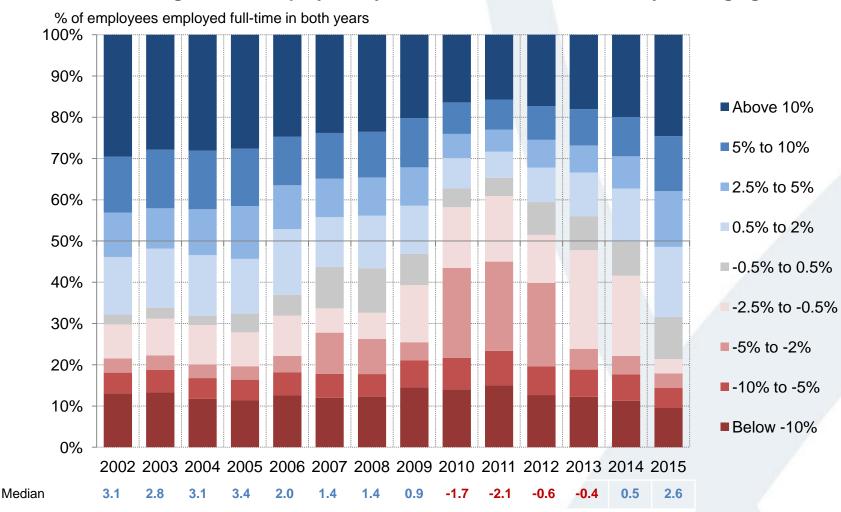


Source: Annual Survey of Hours and Earnings, ONS calculations

Notes: Real earnings calculated using the Consumer Prices Index (CPI)

Real earnings growth more prevalent in 2015...

Percentages of FT Employees by their annual rate of real weekly earnings growth



... consistent with other sources

%





Source: UK Labour Force Survey, Annual Survey of Hours and Earnings, ONS calculations

Compared with the US

Median growth in weekly earnings



Source: UK Labour Force Survey, US Current Population Survey, ONS calculations

Conclusions

- Analysis suggests that the typical experience of pay growth increased in 2015: the median rate of nominal earnings growth increased from 2.0% to 2.5% between 2014 and 2015.
- A majority of full time employees experienced substantial real earnings growth in 2015 for the first time since 2009.
- But much of the growth in real earnings has been driven by the moderation of inflation: in nominal terms, the position is little changed from 2011

Questions?

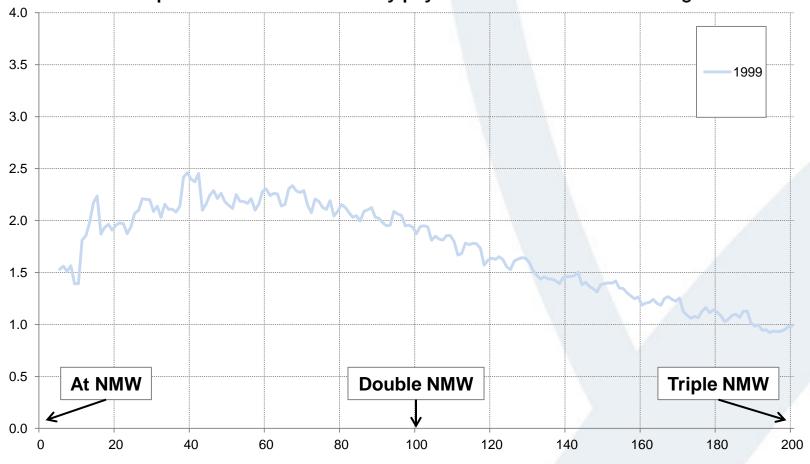
Annex

Median growth & Growth in median

Growth in median pay =

- 'how pay at the centre of the earnings distribution has changed between periods'
- 'how pay for the individual at the middle of the earnings distribution in one year compares with pay for the individual at the middle of the earnings distribution a year later'
- Not necessarily typical of changes in wages experienced by the majority of the continuously employed
- Median growth rate of pay =
 - 'the typical experience of earnings growth'
 - 'the rate of pay growth at the centre of the distribution of earnings growth'





% difference in pay from the National Minimum Wage

Source: Annual Survey of Hours and Earnings, ONS calculations.

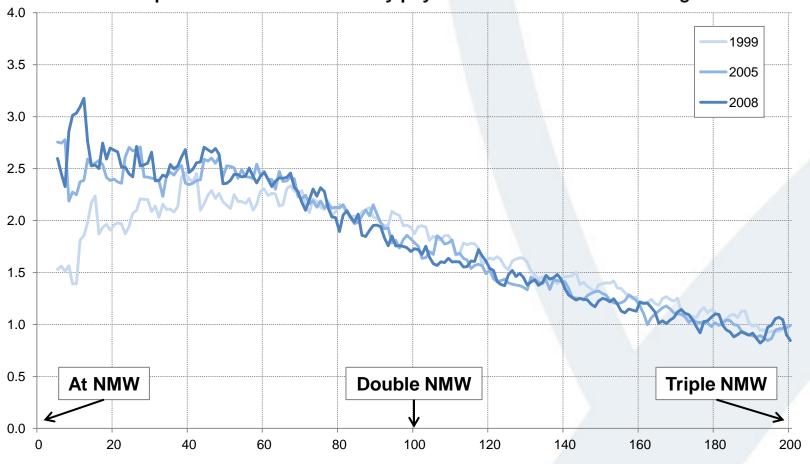




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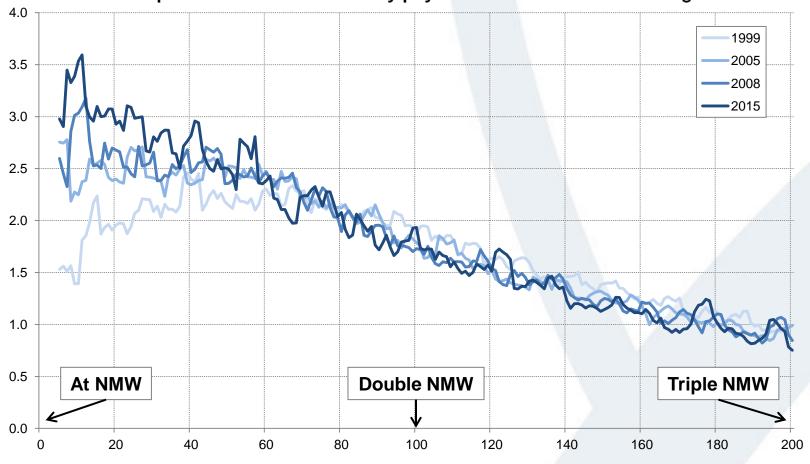




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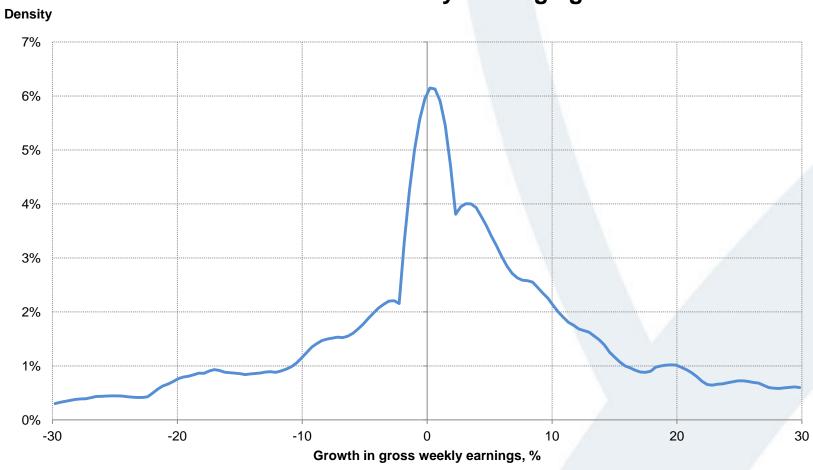


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Compared with the US

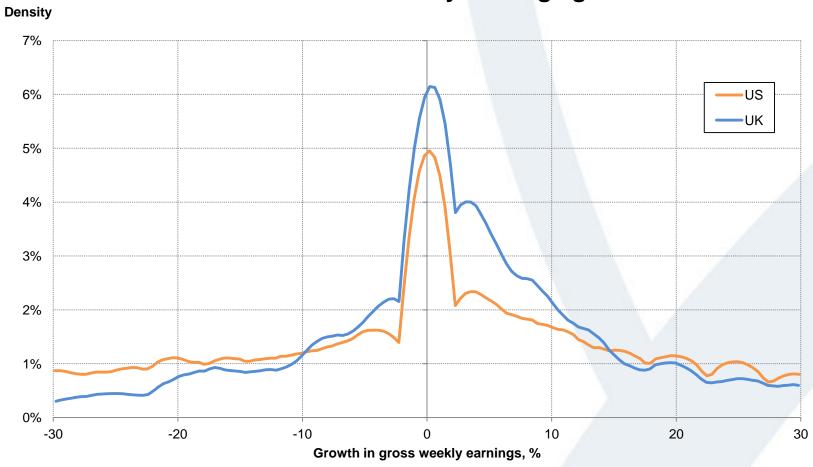
Distribution of weekly earnings growth



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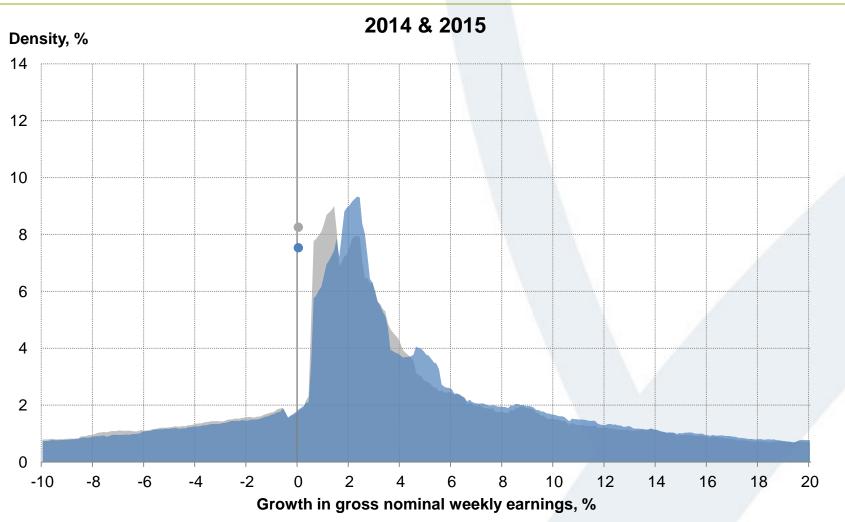
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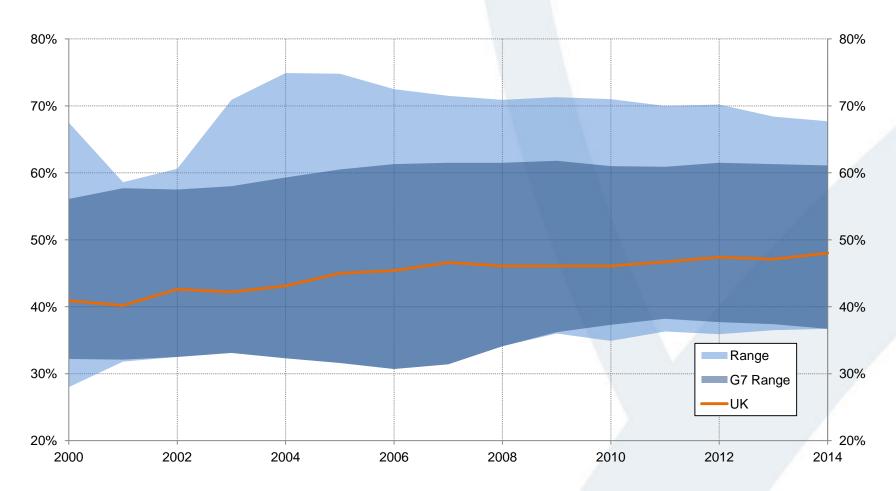


Source: UK Labour Force Survey, US Current Population Survey, ONS calculations

Changes in the distribution of growth...



Ratio minimum wage to median gross weekly earnings



Source: OECD

