



What is happening to inequality?

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What is actually happening to inequality

- The standard analysis
 - What HBAI tells us
 - The components of inequality
- The complications
 - Under reporting of income
 - Other measures of income and consumption
- The role of government
 - Importance of tax and transfers
 - How different measures give different answers
 - Going beyond transfers
- Conclusions



Median household £419 a week in 2010-11



Source: Figure 3.1 of Living Standards, Poverty and Inequality: 2012



90th centile income about 4 times 10th centile



Source: Figure 3.1 of Living Standards, Poverty and Inequality: 2012



Income growth 1996-97 to 2009-10 equalising over middle 90%



Source: Figure 3.5 of Living Standards, Poverty and Inequality: 2012



Income falls in 2010-11 bigger at top end



Source: Figure 3.5 of Living Standards, Poverty and Inequality: 2012



In stark contrast to story since 1979



Source: Figure 3.5 of Living Standards, Poverty and Inequality: 2012



Gini up sharply to 1990, modestly 1996-2009



Source: Figure 3.7 of Living Standards, Poverty and Inequality: 2012



With sharp fall in 2010-11



- Gini fell from 0.36 to 0.34 in 2010-11
- Largest one year fall since at least 1961
- Returns Gini to below its 1997-98 level









Source: Figure 3.9a of Living Standards, Poverty and Inequality: 2012

At the bottom of the distribution

• Pensioners have done very well



Relative pensioner poverty lowest since 1984



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At the bottom of the distribution

- Pensioners have done very well
- Families with children on an improving trend



While relative BHC child poverty rates are back at mid 1980s levels



Notes: Poverty line is 60% of median income. Years up to and including 1992 are calendar years; thereafter, years refer to financial years. Incomes are measured before housing costs have been deducted. Source: Authors' calculations using Family Resources Survey and Family Expenditure Survey.



At the bottom of the distribution

- Pensioners have done very well
- Families with children on an improving trend
- But the working age childless have not done well



Relative poverty among working-age adults without children on continuing upward trend



Source: HBAI Data (FES and FRS)



Absolute poverty among working-age adults without children similar to 1970s levels...



Source: HBAI Data (FES and FRS)

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Families with children have done better than the childless across the distribution since 1998-99



Notes: Changes in income at the 1st, 2nd, 98th and 99th percentiles are not shown on this graph due to very high levels of statistical uncertainty. Incomes have been measured before housing costs have been deducted. Source: Authors' calculations using Family Resources Survey, 1998-99 and 2010-11.

So the story seems to be

- Big increase in inequality since 1979
- Modest increase during 2000s driven by the tails
- Childless working age done particularly badly
- But inequality growth is overwhelmingly within identifiable groups

Income inequality – factor decomposition

Source: HBAI Data (FES and FRS) and authors' analysis

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But is that the whole story?

- Two good reasons for thinking we are (increasingly) underestimating living standards lower down the distribution
 - First: important elements of benefit spending appear to be very poorly captured in the data

Only half of tax credit and two thirds of Income Support spending captured in the data

	Coverage	Spend (£m/yr)
Retirement pension	95%	66,480
"Other"	52%	27,970
Working and child tax credits	50%	21,270
Rent rebates and allowances	83%	18,930
Income support & pension credit	68%	16,580
Child benefit	96%	11,880
Incapacity benefit	74%	6,670
Maternity/Statutory maternity pay	119%	1,900
Jobseekers allowance	80%	1,200
War pensions	33%	1,020
Student support	236%	970
otes: based on Barnard (2011) analysis of LCFS 2009 and	2010 Institute

But is that the whole story?

- Two good reasons for thinking we are (increasingly) underestimating living standards lower down the distribution
 - First: important elements of benefit spending appear to be very poorly captured in the data
 - Second: incomes at the bottom of the distribution don't match consumption

Those with the lowest cash incomes do not have the lowest cash outlays...

Notes: LCFS 2009; Great Britain only

...but those with the lowest cash outlays *do* have the lowest cash income

Notes: LCFS 2009; Great Britain only

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 - First: important elements of benefit spending appear to be very poorly captured in the data
 - Second: incomes at the bottom of the distribution don't match consumption
- In addition
 - Inequality in consumption has grown much less quickly than inequality in income

Remember the rising Gini

Doesn't look so dramatic when you look at consumption

While a broader measure of income matters little

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 - Inequality in consumption has grown much less quickly than inequality in income
 - Relative performance of different groups is highly sensitive to measure of income/consumption used

Relative poverty rate, HBAI income (<60% of median household income)

Relative poverty rate, broad income (<60% of median household income)

Relative poverty rate, consumption (<60% of median household income)

Relative poverty rate by age and time, HBAI income

So overall

- There may have been more a reduction in inequality in living standards in the 2000s than HBAI data suggests
- Once you account for a broader definition of income pensioners have not only done relatively better than other groups but are now significantly less likely to be poor than working age people with or without children

What about the role of government

- Of course the tax and transfer system is important
- 2000s saw an additional £30 billion a year spent on benefits and tax credits
 - Mostly focussed on pensioners and families with children

Effects of tax benefit changes 1997-2010

A very close correspondence between movements in benefit levels and child poverty levels

	Couple, 3 children, no work	Lone parent, 1 child, no work	Lone parent, 1 child, part-time work	Change in BHC relative child poverty rate in UK
1999-00	+	+	+	-
2000-01	+	+	+	-
2001-02	+	+	+	-
2002-03	+	-	+	-
2003-04	+	+	+	-
2004-05	+	+	+	-
2005-06	-	-	-	+
2006-07	-	-	-	+
2007-08	-	-	-	+
2008-09	+	+	+	-
2009-10	+	+	+	-
2010-11	+	+	+	-

Entitlements grew faster than relative poverty line (median income) Entitlements grew more slowly than relative poverty line (median income)

Notes: Ignores Housing Benefit, Council Tax Benefit and the value of free school meals. The working lone parent earns an amount that is below the personal income tax allowance and the primary threshold for National Insurance contributions. Source: Authors' calculations using TAXBEN, the IFS tax and benefit micro-simulation model.

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- This had a big effect on inequality

Actual income changes 1997-2009 favoured deciles 2 to 4 (and 10)

overall % change

Very heavily driven by tax and benefit changes

Without those changes pattern is much less progressive

I INCREASED THE GAP BETWEEN RICH AND POOR VOTE FOR ME

Or vote for change. Vote Conservative

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- Other spending is also equalising
 - At least in the sense that cost of service provided is a higher proportion of income of poor than of rich

Benefits in kind matter a lot

Summary of the effects of taxes and benefits by quintile groups, ALL households¹, 2009

Average per household (£ per year)

Note:

1 Households are ranked by their equivalised disposable incomes, using the modified-OECD scale.

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Public spending in 2010-11

Public spending in 1978-79

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- A lot of that spending now more skewed to those on low incomes

Funding focused more deprived schools

Notes: Implicit FSM Premium calculated as the extra funding associated with one extra pupil eligible for FSM, holding other pupil and school characteristics constant.

Sources: For a full list of sources please see Table 2.2. (link)

Though we don't know how much value that adds

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- And just as with measuring living standards need be clear what measure of inequality government is impacting on

VAT reform: effects by income

% rise in non-housing expenditure

VAT reform: effects by expenditure

% rise in non-housing expenditure

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To conclude

- The HBAI story tells us what has happened to household incomes over time
 - But only on a particular measure
 - Using a broader measure of income changes the picture between groups
 - And inequality in measured consumption has grown much less
- Redistribution through the welfare system over recent years has been very important
 - Though very costly and being partially reversed
- And don't forget the wider role of the state in redistributing
 - Nor the costs (as well as the benefits) inherent in that redistribution

