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Upskilling the Workers will not Upskill the Work. Why the Dominant Economic Framework Limits Child Poverty Reduction in the UK

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Abstract

This paper assesses the policy consensus that exists amongst political parties in the UK in their shared ambition to eradicate child poverty by 2020. Three major pillars of policy – work intensification, re-distribution and skill upgrading – are challenged in terms of their likely success in reducing child poverty. In particular, the assumption that upgrading skills will raise earnings is challenged by examining the changing patterns of work in a selection of developed economies since the 1970s. This paper argues that addressing relative poverty requires an alternative theoretical approach to the neoclassical economics that currently underpins policy. Different national levels of earnings dispersion suggest that the role of institutions and culture in determining market outcomes deserves at least as much attention as the supply of skills.

Introduction

The main political parties in the UK share the social policy objective, enshrined in law, to eradicate child poverty by 2020. Three measures by which to judge this target have been adopted: a household measure of absolute low income, a measure of relative low income and a measure that combines material deprivation and relative low income (DWP, 2003: 9; Child Poverty Unit, 2009). The main parties also agree on three broad 'pillars' of policy to achieve the reduction in child poverty (Harker, 2007; Liberal Democrats, 2007, 2009; Cameron, 2008; Conservative Party, 2008a, 2008b):

- (i) 'Work intensification' includes welfare to work programmes, an ongoing programme of welfare reforms and initiatives to get the economically inactive from poor households into work (DWP, 2007, 2008a, 2008b).
- (ii) 'Re-distribution' includes the national minimum wage, working family and child tax credits, increases in child benefit and allowances targeted at young children in families claiming income support (DWP, 2005, 2006).
- (iii) 'Skill upgrading' includes universal and income targeted early years programmes, increased spending and changes in the administration of

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formal education and evolving programmes of changes to vocational training for young people and the unemployed (DES, 2007; DWP and DIUS, 2008).

Disagreement has been over issues of implementation, the relative role of public and private sector in delivery and the specific targeting of spending, rather than over the appropriateness of these policy pillars (Liberal Democrats, 2007; Conservative Party, 2008a, 2008b).

This agreement over a key social objective and the policy pillars to achieve it is surprising given that we might expect differing political philosophies between parties. Under examination, it becomes clear that tensions exist between the social objective and policy pillars that reflect unresolved tensions in the political philosophies of each party. The policy pillars of (i) work intensification and (iii) skill upgrading are consistent with a belief in market outcomes and a political philosophy of providing equality of opportunity for citizens to negotiate those markets (Cameron, 2005; Gamble, 2005; Finlayson, 2009: 5-9). Equality of opportunity is a procedural aspiration and hence the distributional consequences that result are explicitly *outside* the control of government. Income inequality may be high or low (see Blair, 2002; Coates, 2005: 59; Levitas, 2005: 133-5), as may be the resulting levels of relative household and child poverty. This is one reason why the New Labour project was accused by some as representing merely an extension of the neoliberal project of its Conservative predecessors (Hay, 1999; Heffernan, 2000; Callanicos, 2001). In contrast, the social objective of reducing the incidence of child poverty – a distributional outcome – is inconsistent with a political philosophy limited to delivering equality of opportunity. So too is the second policy pillar of redistribution.3

The question is why all the main political parties share this uneasy compromise between outcome and procedural objectives, policies of negotiating labour markets and policies that interfere with market outcomes. A possible answer is that we have reached a politics of post-ideological pragmatism (see Larsen *et al.*, 2006; Page, 2007: 27). A neoclassical understanding of the operation and benefits of markets dominates (Jordan, 2008: 55–8), tempered by a concern for the working poor (Jordan and Duevell, 2003: 135–6), and recognition of previous governments' failure to equip citizens to effectively negotiate those markets (Dolowitz, 2004: 221–2).

There is no straightforward intellectual resolution to the tensions identified; however, it is clear that neoclassical economics dominates political thinking. The major political parties share the view that markets are best left to reach their own naturally determined price levels. Direct government intervention and the operation of power by block interests, such as trade unions and monopolistic companies, are to be avoided. Labour markets and product markets should be flexible in terms of prices and quantities of work provided (OECD, 1994; Lewis,

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2009). The legitimate role of government is twofold: first, to ensure that the welfare system encourages physically able working-age adults into the labour market (policy pillar (i)); and, second, that skills are at a level to enable the economy to compete in global markets and continue to grow (policy pillar (iii)). Policy pillar (ii), redistribution, can only ever ameliorate the inexorable logic of the market-determined price system of wages, and is partially rectifying failures, past and present, in policy pillar (iii).

Government gets its intellectual mandate to interfere in skill determination, rather than leaving it to individuals operating within the market, from 'post-neoclassical endogenous growth theory' (Romer, 1986; Lucas, 1988). This theory was originally transmitted to New Labour from the Clinton administration's advisors (Dolowitz, 2004; Coates, 2005: 34). The crucial elements of the theory are that economic growth is related to a society's knowledge and human capital (Coates, 1999: 79–80), and that there will likely be a private underinvestment in human capital because the benefits of knowledge spill outside of any investing firm (Romer, 1986: 1003). Hence, it is in society's interest for government to invest in human capital or, in more straightforward language, skills in order to improve its knowledge base.

From the perspective of individuals, human capital theory suggests that greater human capital results in higher levels of marginal productivity, which equate with higher wages/total remuneration to labour. Hence, there is a potential social benefit in terms of narrowing the earnings distribution, as well as a macroeconomic benefit in terms of increased growth, in increasing the human capital of the lowest-paid workers in society. Creating a 'knowledge economy' holds the long-run promise of solving economic and social problems simultaneously (Brown *et al.*, 2001: 9, 13).⁴

This paper challenges the ability of this theoretical understanding of labour markets to capture their actual operation in real economies, and hence the capacity for policies that rest upon it to achieve their desired objectives. It does so primarily through an empirical assessment of the three policy pillars' ability to achieve reductions in relative household and hence child poverty.

Pillars (i) and (ii), work intensification and re-distribution, are examined together because the capacity for an increased quantity of paid work to lift families above the relative poverty line depends upon the degree of redistribution. It is found that, for low-paid workers, increasing the quantity of paid work performed by a household, given current levels of redistribution, is extremely limited in lifting those families out of poverty. This suggests that policy pillar (iii), upskilling, is central to the social objective of eradicating child poverty by 2020.

Raising skills and creating a knowledge economy are 'supply-side' policies. They rely upon demand for skills by employers increasing in line with their increased supply. However, the evidence from employment across a number of developed economies shows polarised growth in high- and low-paid work, with

the middle of the distribution becoming 'hollowed out'. This trend suggests that developed countries will have to manage the assimilation of an increasing number of households consisting of workers that perform low-paid work currently categorised as low-skilled.

Possible responses to this challenge vary in their degree of radicalism; however, this paper argues that we need to examine more closely a generally overlooked part of the picture – the factors that determine national wage structures. By showing that the degree of national wage dispersion differs considerably between developed countries, it argues that this cannot be explained by neoclassical economic theory and requires research into national institutional and cultural causes. Only through such research may issues of relative household and child poverty be effectively addressed.

Examining the effectiveness of policy pillars (i) and (ii) work intensification and redistribution in reducing child poverty

(i) Policy overview

The main mechanism on which the government has focused to reduce the incidence of childhood poverty since 1998/9 has been getting parents into work.

nearly half of children in low income live in households where no adult works. . . finding work is the first step out of poverty – changes in labour–market earnings account for roughly two-thirds of exits from low income (DWP, 2006: 19).

This aspiration has crystallised into a long-term target for an employment rate of 80 per cent of the working age population and a 70 per cent employment rate for lone parents (DWP, 2005: 4, 36).

The government has phased in increasingly tough welfare reforms in its attempt to increase employment. The New Deal created an obligation for those on unemployment benefits – job seekers allowance (JSA) – for more than six months to address their skills and subsequently engage in paid, subsidised or voluntary work, or recognised training.⁵ The second phase of reform promoted voluntary participation in further targeted New Deals and 'Pathways to Work' directed at the disabled, lone parents and partners of JSA claimants. The ongoing third phase represents a toughening of the approach towards long-term benefit claimants (Black, 2008) through rationalisation of the benefits system, 'personalised conditionality' (Gregg, 2008: 11) and the involvement of the private sector in employment matching alongside enhanced roles for Job Centres (Freud, 2007: 4–6; DWP, 2008a).

Alongside the increases in the number of people working have been policies aimed at improving the income of the lowest paid. The national minimum wage was introduced on 1 April 1999 with annual reviews produced by the independent Low Pay Commission on its recommended level. The working families tax credit was also introduced in 1999, split in April 2003 into child tax credit and working

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tax credit. Working and child tax credits provide income-related payments up to household earnings of £18,215 for childless households⁶ and £58,231 for those with children, although for a two-child family with annual income above £29,677, the maximum value of tax credits is £545 per annum.⁷

Additional financial incentives are aimed at intensifying both the number of workers in low-income households and the quantity of work that they perform (DWP, 2007: 19–24). For example childcare tax credits are conditional upon each adult working a minimum of 16 hours per week, and one of the working tax credits is conditional upon the household working a minimum of 30 hours per week (HMRC, 2010).

(ii) Assessment of performance

The government has certainly achieved some success through these policy measures. The employment rate for lone parents stood at 56.7 per cent in 2009, up 12.1 per cent from 44.6 per cent in 1997, when Labour came to power (ONS, 2010). The employment rate for the working-age population increased from 72.8 per cent in May 1997 to stabilise at between 74.5 per cent and 75 per cent for much of the 2000s prior to the effects of the financial crisis, after which it dropped to 72.4 per cent for the last released monthly figure of November 2009 (ONS, 2010). The government narrowly missed its interim target in 2004/5 to reduce child poverty by 25 per cent from a 1998/99 baseline, achieving a 21.3 per cent reduction before housing costs (BHC) and a 17.2 per cent reduction after housing costs (AHC) (Brewer et al., 2006: 35). Since then the situation has worsened. Between 2004–5 and 2007-8, the last year for which data are available from the 'Family Resources Survey' (DWP, 2009), there has been a recorded increase of 200,000 children in poverty (BHC) and 300,000 (AHC) (Brewer et al., 2009: 30, 43-4, table 4.4). This left the government needing to reduce child poverty by an additional 1.2 million children (BHC) to reach its target for 2010-11. To put this in context, it reduced it by 500,000 between 1998-9 and 2007-8.

As of 2007–8, the two largest shares of total household income in Britain were earnings (66 per cent), and benefits and tax credits (18 per cent) (Brewer et al., 2009: 13, table 2.3). Whilst a minority factor when considering the whole population, benefits and tax credits are highly significant in determining whether low-income households are above the relative poverty threshold. Between 1997 and 2001 increases in employment for poor households contributed significantly to the reduction in child poverty. However, between 2001 and 2005, most of the fall in child poverty is attributable to increases in tax credits (Brewer et al., 2006). The increase in child poverty since then has been at a time when the growth in entitlements has been less than the growth of the relative poverty line or the retail price index (RPI), that is a reduction in income in real terms (Brewer et al., 2009: 37, table 4.3). A recent estimate of the additional spending on

TABLE 1. – Breakdown of child poverty by family type (2007–8)

| Family type by | working status of parents | % of children categorised in poverty |
|------------------|--------------------------------|--------------------------------------|
| Lone Parent | Full-time | 2.3 |
| | Part-time | 6.3 |
| | Non-working | 29.6 |
| Couple | Self-employed | 12.5 |
| | Two full-time earners | 1.2 |
| | One full-time, one part-time | 3.7 |
| | One full-time, one not working | 14.5 |
| | One or both part-time | 10.9 |
| | Neither adult working | 19.1 |
| Total (as a pero | cent of all children) | 100 (22.5) |

Source: Author calculations using 'Family Resources Survey 2007–8'. There will be some rounding errors as the original table from which this is derived displays percentages to only 1 decimal point.

redistribution required to meet the 2010–11 and 2020 targets is £4bn per annum. Given the current strains on public finances, this is not a realistic option.

Given this fiscal constraint, all the major parties are committed to further welfare reforms to get the economically inactive into work. From Table 1, it is clear that the greatest risk of a child being in poverty comes from them being in a non-working family (48.7 per cent of all children in poverty) and that the risk is very low if parents work full-time or at least where one parent works full-time and the other part-time (only 7.2 per cent of all children in poverty live in such households). Given these data, it is perhaps not surprising that policy-makers have concluded that having both parents working, preferably full-time, should reduce the incidence of child poverty.

However, there is a potential fallacy of composition here. If families currently engaged in full-time work have relatively high incomes due to the *quality* of work that they perform rather than its quantity,¹¹ then dramatically increasing the quantity of paid work for many other families will not have the desired result. Examining the distribution of working adults by standard occupational classification supports this intuition. Employment is skewed towards higher-level occupations – managers, professional and associate professional occupations – for families where all adults work full-time. There is a statistically significant dependence of occupational classification upon family type which is most pronounced when comparing full-time working families with families where one or both adults work part-time.¹² Part-time working families consist of workers concentrated in elementary occupations, personal services and sales and customer services (see Figure 1). People entering the labour market from long-term inactivity are more likely to obtain this quality of work than that performed

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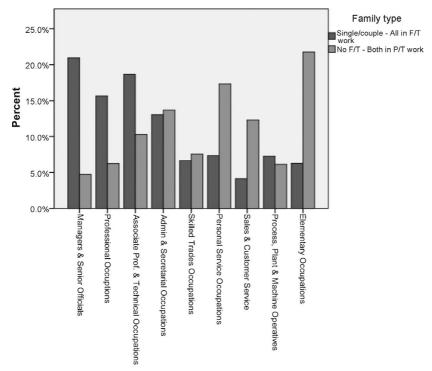


Figure 1. Comparison of employment by occupation for families where all adults work full-time and those who work part-time

Source: 'Family Resources Survey 2007–8' (DWP, 2009)

N = 2,658 working adults for families where all adults work full-time and 993 working adults in families that do not contain a full-time worker.

Percentages sum to 100 within each family type across all Standard Occupational Classifications. The occupational category 'undefined' has been removed from the calculations as it may include adults in part-time working families who do not work.

by the small proportion of families, only 12.9 per cent of the population of all households with children, where all adults work full-time.

A further limiting factor, that continues to be an obstacle in the desire for all parents to work full-time, is the prohibitive cost and availability of childcare. This is something that the Labour government was trying to address through the direct provision of free childcare. There is a target of 15 hours per week free childcare for all three- and four-year olds, an increased network of 3,500 Sure Start childcare centres and childcare between 8 a.m. and 6 p.m., organised through schools for all five to 14 year olds during term time (DWP, 2007: 29; DES, 2007). In addition, working tax credit includes a component that contributes to up to 80 per cent of childcare costs, up to a limit of £175 per week for one child or £300 for two children, in households where both parents work more than 16 hours per week (HMRC, 2010). However, it remains to be seen whether these targets will

be supported by the new government and, if they are, whether they will radically alter the problems that families face in juggling work and caring responsibilities.

As most of the people that the government wishes to move into employment will have limited labour market skills or experience, it is informative to examine the capacity for a greater quantity of low-paid work to lift the poorest households out of poverty. I have estimated the net disposable income including tax credits that would be paid to a two-adult, two-child family working for the minimum wage, where the adults work different proportions of time and pay for childcare in proportion to this (see Appendix for details of the calculation). The results are shown in Table 2.

This analysis indicates that all of the families would be below the 'equivalised' 60 per cent median net household income poverty line (BHC) of £18,772 (author calculation from Adams *et al.*, 2009: 18, table 2.3) for two-adult, two-children families if it were not for tax credits. Tax credits make a major contribution in lifting families with two full-time workers above this threshold. Whether the other working configurations for families are lifted above the threshold depends upon the extent to which they consume childcare, which highlights the issue of what is included in the measure of net disposable income.

The measure followed in the DWP constructed 'Households Below Average Income' HBAI tables deducts costs such as council tax, occupational pension contributions and student loan repayments, and provides both before and after housing costs measures (BHC and AHC) (see Adams *et al.*, 2009: 2–3, 175–6).

Given this sensitivity, it is surprising that income is not calculated both gross and net of childcare costs. As Table 2 indicates, a large element of tax credits for low-earning families with pre-school children can be towards childcare costs, paid as a transfer. Taken at face value, these transfers dramatically increase net disposable income as a percentage of median income (see Table 2).¹³ However, this transfer, whilst generous, only pays up to 80 per cent of actual childcare costs. Therefore, if net disposable income is calculated *after* childcare costs, it is significantly lower (the second to last row of Table 2).

When making the comparison with median net household earnings, ideally this should also be adjusted for the quantity of paid childcare that the median family consumes. Unfortunately, this is not known. However, because of the tapering effect of increased income-reducing tax credits, I consider it highly unlikely that the median household can afford to employ full-time childcare. Therefore, a second-best comparison for poverty purposes is post-childcare disposable income as a percentage of median net household income (last row of Table 2). This will be most stable over the lifetime of the children, with the quantity of childcare required decreasing as children reach school age.

Whether one uses the disposable income measure net of childcare costs or not, the conclusions are similar. Two full-time working parents definitively get over 60 per cent of medium income with children of pre-school or school age. One

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TABLE 2. Estimates of net disposable income of households working for the minimum wage, as a proportion of median income, tax year 2008–9^a

| | One two-year old child, one school aged child under 14 | | | | Two school aged children under 14 | | | |
|--|--|---|--|--|--|---|--|---|
| | Two FT workers, one child in FT daycare | One FT, one HT worker, one child in PT daycare | Two HT workers, one child in PT daycare | One FT worker, partner unpaid childcare | Two FT workers, no paid childcare | One FT, one HT worker, no paid childcare | Two HT workers, no paid childcare | One FT worker, no paid childcare |
| Gross earnings | 20,628 | 15,471 | 10,314 | 10,314 | 20,628 | 15,471 | 10,314 | 10,314 |
| Net earnings ^b | 16,933 | 13,166 | 9,399 | 8,009 | 16,933 | 13,166 | 9,399 | 8,009 |
| Working tax credit | 0 | 995 | 3,006 | 3,006 | 0 | 995 | 3,006 | 3,006 |
| Childcare tax credit | 4,744 ^c | 3,840 ^d | 2,400 ^e | 0 | 0 | О | 0 | 0 |
| Child tax credit | 5,015 | 5,015 | 5,015 | 5,015 | 3,999 | 5,015 | 5,015 | 5,015 |
| Net disposable income | 26,692 | 23,016 | 19,820 | 16,030 | 20,932 | 19,176 | 17,420 | 16,030 |
| % median income | 85 | 74 | 63 | 51 | 67 | 61 | 56 | 51 |
| Net disposable income – childcare costs ^f | 19,492 | 18,216 | 16,940 | 16,030 | 20,932 | 19,176 | 17,420 | 16,030 |
| % median income | 63 | 58 | 54 | 51 | 67 | 61 | 56 | 51 |

Notes: aValues are expressed in GBP unless percentages of median income.

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^bNet earnings are after income tax, national insurance and council tax.

Based on £150 per week childcare costs over 48 weeks, which is £25 less than the maximum that the government will provide funding towards.

dBased on £100 per week childcare costs over 48 weeks as it is assumed that childcare costs will not simply halve with part-time work.

Based on £50 per week childcare costs over 48 weeks as it is assumed that two part-time workers can flex childcare more easilly than one part-time.

fNet disposable income minus the childcare working tax credit and the non-government funded 20% of childcare costs.

full-time and one half-time working parent also manage this if the children are at school, but it is borderline if one child is of pre-school age after childcare costs have been accounted for. Neither one full-time parent nor two half-time working parents manage it. Net of childcare costs, not even two full-time working parents on the minimum wage are able to pass 70 per cent of median household income, the level used in the combined measure of child poverty. These calculations are without any further pulling away of the median earning household from those towards the bottom in future years.

This analysis indicates that for those earning low wages, even with the current levels of tax credits, increasing the intensity of work in families is extremely limited in raising those families out of poverty. This is consistent with the general observations that many service jobs, particularly those related to social care, do not pay enough to meet the high costs of living and raising a family in the UK or US, and that family members are required to increase participation in the labour market in an attempt to maintain living standards (Jordan and Duevell, 2003: 102, 132). It follows that the skills component of the government's strategy will be heavily relied upon to raise the earnings of the lowest paid relative to those above them. The issue is going to be the quality of work that is available and the pay that may be earned from it. It is this that the skills agenda, with its supply-side focus, is intended to address and it is to these trends that I now turn.

Examining the effectiveness of policy pillar (iii) skill upgrading in reducing child poverty

(i) Policy overview

Consistent with the economic theory described in the introduction, enhanced skills have been linked to productivity, economic competitiveness, increased personal income and a reduction in 'social deprivation, poverty and inequality' (Leitch, 2006: 4; DWP and DIUS, 2008). Top quartile performance in each level of skills is targeted by 2020, which would place the UK eighth in international rankings. Benefits are estimated to be in the order of £80bn of current value over the next 30 years, based upon productivity and employment growth of 10 per cent by 2020 (Leitch, 2006: 15).

Considering one of the tasks of the Leitch report was to identify the skills that would be required in the UK in the future (Leitch, 2006: 143), there is a lot of emphasis on skills needing to be 'economically valuable', but virtually no identification of the actual skills that individuals will need. Leitch explicitly rejects what he calls the historical 'supply-side' attempts to predict future skill requirements. Instead, he calls for a 'demand-led' process, which means greater employer involvement in the determination of qualifications and more of a market in training. The market will operate both in terms of greater employer control of budgets in commissioning workplace training, referred to as 'train to gain', and individual control of 'learner accounts' in spending personal

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allowances on training.14 There will also be a national employer-led Commission for Employment and Skills, responsible for 're-licensed and re-empowered' sector skills councils, which in turn are tasked with 'taking the lead role in developing occupational standards and approving vocational qualifications' (Leitch, 2006: 18; DWP and DIUS, 2008).

The tension between societal and personal benefit within the theory of human capital theory is apparent when it comes to who should be responsible for paying for training. The Leitch report suggests that the government should be responsible for the bulk of basic training (up to level 2, equivalent to five good GCSEs), employers and individuals should contribute at least 50 per cent of level 3 training costs (equivalent to two A-levels), whilst the bulk of level 4 (degree level) training should be paid for by recipients as 'they will benefit most' (Leitch, 2006: 15).

(ii) Assessing likely performance

As mentioned, the idea that skill upgrading will result in poverty reduction rests upon human capital theory, which is an extension of the marginal productivity theory of neoclassical economics. In equilibrium, skilled workers are employed until their marginal product exactly equals their marginal cost (remuneration). This theory considers the labour market as a trading floor for the pre-existing possession of skills, general or specific, that have productive use to employers.

Implicit in the theory is the assumption that investment in human capital will create its own demand (Brown et al., 2001: 17). In other words, the nature of jobs will change in order to make use of enhanced skills, otherwise the capacity for skills to be translated into actual productivity will be limited by the work that is available. Criticisms of this assumption highlight regional disparities in demand (Theodore, 2007), including the importance of transport proximity to London (Dorling, 2006), and more fundamentally the socially embedded nature of work (Block, 1990: 75) with the existence of multiple segmented labour markets rather than a simple skill-reward relationship (see Fine, 1998: 124-32 for a historical overview). However, the skill-reward equilibrium assumed by human capital theory has not been a problem from the economist's perspective. As stated above, technological change was seen as ensuring higher-skilled workers would have higher-skilled jobs.

The theory of 'skill-biased technical change' (SBTC) suggests that new technology - particularly computers - requires highly skilled workers to be able to operate it and simultaneously makes low-skilled workers redundant (e.g. Machin, 2001: 774). To a lesser extent, trade with developing countries that specialise in the production of low-skilled labour-intensive goods reduces the demand for lowskilled labour in developed countries. This should mean an observed reduction in the number of workers employed in low-skilled occupations and an increase

in employment in high-skilled ones. The limiting factor, which also explains the increasing wage dispersion between the 1970s and 1990s, was thought to be the scarcity of skilled workers. The conclusion drawn was to upskill the workforce in developed countries, reducing the supply bottleneck, and shifting the majority of work to the new high-productivity, high-wage jobs.

Recent evidence has begun to challenge this view, even if the theory has always been considered extremely reductionist by other social sciences. The crucial evidence is with regard to the changing structure of employment within developed countries. Empirical studies of the UK, US and Germany using detailed occupational-industry classifications have found that, whilst employment in the top two deciles of jobs has increased dramatically since the 1970s, it has also unexpectedly *increased* in the lowest two deciles. ¹⁵ Jobs in the middle six deciles of the distribution have been disappearing. This suggests polarisation in the workforce, with an increasing proportion of low-paid workers and an increasing proportion of high-paid workers (Autor *et al.*, 2006; Spitz-Oener, 2006; Goos and Manning, 2007; Dustman *et al.*, 2009).

SBTC predicted the increase in high-skilled jobs but not in low-skilled ones. In response, a more nuanced version of the technology hypothesis has been put forward, attributed to Autor, Levy and Murnane (ALM) (2003). This suggests that computer technology is a replacement for workers performing routine tasks, mainly clerical and skilled manual roles in the middle of the wage distribution, but cannot replace those workers doing non-routine tasks, either professional or managerial at the top, or low-paying service occupations at the bottom.

Whilst able to potentially explain rising wages for the high-skilled as an increase in demand above the supply of skilled workers, even the ALM hypothesis struggles to explain falling relative wages for the low-skilled under circumstances of increasing demand and reduced supply. (This reduced supply is the logical consequence of an increasingly educated workforce.) It could well be that immigration from poorer countries has played a major role in boosting the supply of workers willing to perform low-skilled roles. However, this does not mean that such workers are receiving the theoretical equilibrium wage for their skills, as many are vastly overqualified for the work.

The fact is that the content of jobs limits the potential productivity of any worker and cannot be overcome by improving the qualifications of those applying for them. In examining the UK, Goos and Manning found an increase in the average level of qualifications across all occupations and an increase in the entry-level qualifications being asked for.¹⁶ However, they also found little change in the skills required to perform the jobs and survey results reported that workers in low-skilled jobs feel unnecessarily skilled to perform them. This suggests that a form of 'credentialism' has been occurring, where employers will take the highest qualified workers available, even if their skills are in excess of those required (Goos and Manning, 2007: 128–9).

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Neither the changing structure of jobs nor the widening dispersion in compensation between low- and high-skilled workers fits well with the neoclassical framework of human capital theory and theories of skill-biased technological change that suggest we may aspire to a knowledge economy. The idea that upskilling the workforce will automatically upskill the work and result in a narrowing of wages is unrealistic for real economies. The similar patterns of employment growth across countries adds a considerable note of caution to claims made in the influential 'varieties of capitalism' literature that developed countries can specialise in productive activities best suited to their 'institutional basis of comparative advantage' (Hall and Soskice, 2001). Whilst it is true that the percentage of employment by industry differs across countries, suggesting some opportunity for strategic industrial policy, none of the developed countries examined has been able to escape significant growth in low-skilled service employment (Drucker, 1993: 7; see GGDC, 2008). No amount of aspiring to the knowledge economy is going to change this.

With hindsight, it is now clear that the Anglophone economies used credit as a 'privatised Keynesian' substitute for the earnings of the low-paid from the 1990s onwards (Crouch, 2008; Jordan, 2008: 249). However, as has been found to our cost, this is not a sustainable solution to low earnings, limited ultimately by the ability to repay debt out of income.

A radical response that has been suggested is for a universal basic income (Van Parijs, 1995). This accepts the increase in low-skilled work, takes market determined remuneration as a given and considers what states can do to ensure the material well-being of workers that perform such jobs. Some claim it would make low-productivity and part-time jobs more attractive and to be freely chosen irrespective of their economic valuation (Barry, 1997, cited in Jordan, 2008: 225–6). It is beyond the scope of this paper to examine the arguments for a universal basic income. However, before taking such a radical step, it is important to examine whether the market valuations of work are as objective and universal as assumed by economic theory and policy-makers.

Whilst economic theory suggests a universal logic of marginal product and marginal cost equating to produce levels of remuneration, as will be seen in the next section there are large cross-country differences in 'market' determined earnings dispersion. Which factors determine the *size* of earnings differentials between types of jobs and whether governments have any capability to alter this are important questions that have been largely unexamined in considering how to address rising earnings inequality and relative poverty in developed economies.

Different national degrees of earnings dispersion

A range of evidence exists that illustrates national differences in the distribution of earnings within similarly developed economies. A direct way to measure this is to compare points in the earnings distribution. Table 3 shows

TABLE 3. Decile earning ratios 1984 and 2005

| | 1984 d90/d10 | d90/d50 | d50/d10 | 2005 d90/d10 | d90/d50 | d50/d10 |
|---------|-----------------|---------|---------|-----------------|---------|---------|
| UK | 3.2 | 1.8 | 1.8 | 3.6 | 2.0 | 1.8 |
| US | 4.1 | 2.1 | 2.0 | 4.9 | 2.3 | 2.1 |
| France | 3.1 | 1.9 | 1.6 | 2.9 | 2.0 | 1.5 |
| Germany | 2.9 | 1.7 | 1.7 | 3.3 | 1.7 | 1.9 |

Source: OECD (2009).

TABLE 4. The proportion of all employees categorised as low-paid in a selection of developed countries, 2005

| US | UK | Germany | Netherlands | France | Denmark |
|----|------|---------|-------------|--------|---------|
| 25 | 22.1 | 20.8 | 17.6 | 12.7 | 8.5 |

Source: Solow (2008: 6)

the ratio of earnings between the 90th, 50th and 10th percentiles for several countries in 1984 and 2005.

The US is the most unequal for all ratios in both years, with the top earners having particularly pulled away from the bottom and to a lesser extent from the middle during the period. The UK demonstrates a similar trend, with the government policies reviewed in this paper credited with preventing the lowest earners from falling further behind the rest (Mason *et al.*, 2008: 15).

Germany began the period with some of the lowest ratios but was regressive for the lowest paid. This has led to German service sector trade unions initiating a campaign for a minimum wage of about 50 per cent of the full-time median in 2006 (Bosch and Weinkopf, 2008: 308). France bucks the trend, with the lowest earners having increased their wage relative to middle and top earners, whilst the middle has slightly lost ground to the top.

The country decile ratios are consistent with the proportion of workers categorised as low-paid, defined as gross hourly pay below 60 per cent of the median hourly wage for all employees (see Table 4).

Being a low-earner does not automatically translate into living in a poor household, because of the potential for there to be multiple earners (Mason *et al.*, 2008: 29–30). However, the UK's relatively high proportion of low-paid workers reinforces the argument made earlier that intensifying the quantity of work performed by poor households will be extremely limited in shifting these households above the relative poverty line. The data also highlight the degree to which different countries produce dramatically different outcomes when it comes to low pay for the same work.

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TABLE 5. Spread of average industry compensation as a proportion of the employment weighted mean wage across all industries

| 2005 | UK | US | France | Germany |
|-------------|------|------|--------|---------|
| Lowest | 0.29 | 0.38 | 0.60 | 0.47 |
| Highest | 1.95 | 1.85 | 1.71 | 1.75 |
| Stand. Dev. | 0.43 | 0.45 | 0.29 | 0.40 |

Source: Author calculations using the highest level ISIC categories (12) from the EU KLEMS database (GGDC, 2008)

A further piece of evidence is a comparison of the range and standard deviation of industry compensation across countries, using data categorised by Standard Industry Codes (see Table 5)

Whilst Table 5 provides a fairly crude measure of earnings dispersion, using average compensation across industry categories that in some cases group several occupations, it is consistent with the previous two tables. Greater dispersion in average employee compensation between industries is consistent with an increased incidence of relatively low-paid workers.

Given the similar trends experienced by the four countries examined in the growth of low-skilled, relatively low-paid work, what is significant for the social objective of reducing relative poverty through increased work intensification is the gap between the wages of these workers and the rest of the workforce.

Human capital theory can only explain the cross-country differences in wage dispersion in terms of national distributions of skills. This is 'a universal, irrefutable, empty rationalization for existing wage differentials' (Galbraith, 2001: 8). Even if different countries have different educational distributions, such an explanation suggests that the same occupation in the same industry but in different developed countries has widely different skill requirements and resulting marginal products. In particular, it suggests that professional and managerial occupations in finance and business services in the UK and US are much more skilled and inherently productive than their counterparts in continental Europe, whilst many retail, health and personal service workers are much more skilled and productive in Germany and France than the UK and US. As Martin Carnoy puts it, 'the pay off to education is conditioned not only by technology, but by information, ideology, political power, property rights, citizenship rights in the workplace, and the willingness of organizations to innovate constantly' (1995: 3). It is impossible to roll all of these considerations into a single concept of human capital (Fine, 1998: 60).

For economists to consider how other features of societies affect wage determination means considering the labour market to be 'non-competitive'. In other words, wages do not solely reflect the marginal productivity contribution of

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the factor inputs, and hence firms do not optimise their production to maximise consumer utility for the inputs available. To state this is an almost heretical step, but even so a number of labour market economists have at least raised the possibility that 'differences in labour market and educational institutions may greatly affect how demand shifts translate into wage structure changes' (Autor *et al.*, 2006: 6–7; see also Goos and Manning, 2007: 132; Dustman *et al.*, 2009: 874).

It is not possible in this paper to examine the range of cultural and institutional factors specific to national economies that may result in dramatically different wage distributions; however, some suggestions for further research can be made. Although the analysis of earnings is gross, prior to tax, redistribution and the provision of welfare services, it may be suggested that the private-public mix in employment will have an effect on relative wage levels for certain services, particulary those related to social care (e.g. Esping-Andersen, 1990; Iversen and Wren, 1998).¹⁷ Whilst this may be true, it is insufficient to explain significant cross-country differences in average industry wage dispersion found across a wide range of private and public sector industries (GGDC, 2008). A broader argument may be made that the national institutions of the 'production regime' - the financial, education and training, industrial relations and inter-company competition systems – found in the varieties of capitalism and business systems interact to produce significant differences in cross-country wage dispersion (see Lewis, 2009: ch. 7). A culturally sensitive addition to this argument is that there is a social code of pay norms, distinct from the economic theory of workers being paid their marginal product, that is contingent. Changes to greater inequality of earnings are related to 'superstar rents', steeper hierarchies of pay in organisations and shifts from hierarchical to individualised norms of pay (Atkinson, 2008: 72-9).

Whatever the combination of causes, the last two sections have demonstrated that significant differences in national wage structures exist, whilst differences in the structure of employment across national economies are not as significant as the Hall and Soskice inspired literature suggests. These distinct national wage structures cannot be plausibly explained by the neoclassical understanding of the economy that dominates politics and policy in the UK today. Understanding the causes of national wage dispersion from a broader cultural and institutional perspective is central to policy aspirations to reduce relative household and child poverty.

Conclusion

This paper has demonstrated that the main political parties in the UK share the social objective of reducing relative poverty through the implementation of three broad policy pillars. It has argued that, whilst not entirely coherent, these policy pillars are consistent with a neoclassical understanding of how the economy should optimally function. The unencumbered operation of competitive markets

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combined with 'new growth theory' holds the promise of improved economic performance and the narrowing of earnings inequality. It also provides a mandate for government to intervene on the supply-side of the economy in increasing participation in paid work and enhancing societal knowledge and the skills or 'human capital' of citizens.

However, this paper is sceptical of the economic framework as a model of real economies and hence the effectiveness of social policies related to it to achieve a reduction in relative household poverty. It empirically demonstrates the serious limitations of work intensification for poor households, given current levels of redistributive intervention, to lift such households above the relative poverty line. This leaves much of the burden of reducing child poverty upon the policy pillar of enhanced skills moving us towards a knowledge-based economy.

The examination of employment trends in a selection of developed economies suggests that, contrary to theory, upskilling the workers does not automatically upskill the work. There has been a polarisation of employment growth in both low-skilled, low-paid work and high-skilled, high-paid work. This is at the same time that educational qualifications in the UK have been improving across the workforce. When combined with the long-run technological trend for manufacturing to shed labour, this suggests that all developed economies will have to contend with an increasing proportion of service workers that have traditionally been categorised as low-skilled. Pursuing the mythical knowledge economy is not a realistic option.

However, it is striking that different countries produce dramatically different earnings dispersion across the same jobs, resulting in different proportions of the workforce being categorised as low-paid. This is difficult to explain with the standard 'competitive theory' unless skill differentials between the same occupations and industries are dramatically different in different countries. Even some neoclassical economists are suggesting that we need to look to wider societal factors to understand earnings dispersion. Without the possibility of increasing redistribution, which is highly unlikely given the dire fiscal consequences of the financial crisis and limited political appetite, relative poverty may only be realistically addressed through a comprehensive examination of how institutional and cultural factors influence the 'market' distribution of earnings.

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Notes

1 The Child Poverty Bill, which enshrines the 2020 target in law, gained Royal Assent on 25 March 2010. 'Eradication' is not literal and is taken to be an incidence between 5 per cent and 10 per cent of all children, depending upon the specific measure.

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- 2 The absolute measure is a baseline of the relative measure from a particular year in today's prices. The relative measure is the agreed European Union definition of 'those people living in a household with an income below 60 per cent of contemporary median'. The combined measure includes both material deprivation and a higher relative measure of 70 per cent of median income (DWP, 2003: 7–9). The relative income measure is most tracked by commentators and was adopted for the 2004–5 target.
- 3 Whilst the policy pillar of redistribution exposes limited ideological differences between parties, all have been reticent to explicitly favour cuts in redistributive policies.
- 4 There is a tension between the role of state and individual in who should invest in human capital as both potentially benefit. This is played out in the level of skills training that the government is prepared to fund, with tertiary education increasingly seen as the responsibility of the individual (see Fine, 1998, for analysis of the individualistic theory of human capital theory).
- 5 Initially, the *New Deal* targeted 18–24 year olds, but was gradually rolled out to include all claimants under 60 years old.
- 6 Author calculation based on the tapering of 2009–10 working tax credit allowances for two-adult households working more than 30 hours per week.
- 7 Author calculation based on a two-adult, two-child family working more than 30 hours per week, not claiming any childcare in 2009–10.
- 8 These figures were calculated using non-rounded data, government reporting in the Households Below Average Income (HBAI) tables (Adams *et al.*, 2009) and the 'Family Resources Survey' (DWP, 2009) rounded to the nearest 100,000. These differences were statistically significant at the 95 per cent confidence level.
- 9 The remainder includes income from self-employment, savings investments and private pensions, and other income.
- The legal definition that the government adopted for full-time and part-time work depends upon the type of contract that the worker has with regard to the custom and practice of the employer. There is no universal rule such as hours worked that may be applied (HM Government UK, 2000).
- 11 The term 'quality' is being used to reflect the ordinal rankings of the standard occupational classification of work, which also has a relationship to market remuneration, rather than a normative judgement of the value of any activity to society or the individual performing it.
- 12 The Pearson chi square test indicates a statistically significant dependence at the 99 per cent level between the standard occupational classification and the economic status of the family. Economic status is a categorisation that indicates the composition of full- and part-time work in each family, e.g. all full-time, one full-time one part-time, etc. The test is significant whether all family types are compared simultaneously or each family type is compared independently with the family type that contains full-time working adults.
- 13 The economic case for minimum-wage workers to substitute unpaid childcare at home for paid childcare where other workers need to be paid the minimum wage plus overheads and profit does not add up. It requires a large subsidy from government, which may only be justified on the basis that this is acting to prevent longer-term dependency on benefits as children grow up.
- 14 All young people aged 18–25 who do not go to university are to be entitled to training up to level 3, the equivalent of two A-levels, delivered either at work, through a local college or other training provider. The government estimates this to be worth up to £7,000 for someone with no qualifications. There is a voluntary 'skills pledge' which employers can opt into for government-funded training for staff up to level 2, five good GCSEs equivalent. Workplace 'train-to-gain' funding to employers is to be £1bn by 2010–11 (Leitch, 2006: 12, 17–19, ch.4; DWP and DIUS, 2008: 7–8, 22)

- 15 Each decile represents 10 per cent of the workforce ordered by the average compensation paid to an occupation-industry cell, e.g. managers in financial services. The deciles are constructed using pay at the *beginning* of the period being studied, a year in the 1970s, although the authors state that because the wage hierarchy remains relatively stable it does not matter if wages at the end of the period are used.
- 16 Measurable data on skills are notoriously poorly defined (Bechtel, 2007; Scholz, 2007), the only widely available conventional measures are time in education or level of qualification (Glyn, 2000; 200).
- 17 Iversen and Wren argue that government pursuit of wage equality across industrial sectors will necessarily result in fiscal deficit: their so-called post-industrial trilemma.

References

- Adams, N., Johnson, G., Matejic, P., Vekaria, R. and Whatley, J. (2009), *Households Below Average Income An Analysis of the Income Distribution* 1994/5–2007/8, London: DWP.
- Atkinson, A. B. (2008), *The Changing Distribution of Earnings in OECD Countries*, Oxford: Oxford University Press.
- Autor, D. H., Levy, F. and Murnane, R. J. (2003), 'The skill content of recent technological change: an empirical investigation', *Quarterly Journal of Economics*, 118: 1279–333.
- Autor, D. H., Katz, L. F. and Kearney, M. S. (2006), 'The polarization of the US labour market', American Economic Review Papers and Proceedings, 96: 198–94.
- Bechtel, R. (2007), 'Calculating human capital: the market based valuation of the human resource', *Zeitschrift für Personalforschung*, 21: 3, 206–31.
- Black, C. (2008), Review of the health of Britain's working age population: working for a healthier tomorrow. An independent report for the Department of Health and DWP, TSO, Norwich.
- Blair, T. (2002), 'Pre-general election', Newsnight interview, 16 May, London, BBC.
- Block, F. L. (1990), *Postindustrial Possibilities: A Critique of Economic Discourse*, Berkeley, CA and Oxford: University of California Press.
- Bosch, G. and Weinkopf, C. (2008), 'Summary and conclusions', in G. Bosch and C. Weinkopf (eds.), *Low-Wage Work in Germany*, New York: Russell Sage Foundation.
- Brewer, M., Goodman, A., Shaw, J. and Sibieta, L. (2006), *Poverty and Inequality in Britain*, London: Institute for Fiscal Studies.
- Brewer, M., Muriel, A., Phillips, D. and Sibieta, L. (2009), *Poverty and Inequality in the UK 2009*, London: Institute for Fiscal Studies.
- Brown, P., Green, A. and Lauder, H. (2001), *High Skills: Globalization, Competitiveness, and Skill Formation*, Oxford: Oxford University Press.
- Callanicos, A. (2001), Against the Third Way: An Anti-capitalist Critique, Cambridge: Polity.
- Cameron, D. (2005), Speech to the Centre for Social Justice, 18 January.
- Cameron, D. (2008), 'My pledge on child poverty', The Daily Telegraph, 9 March.
- Carnoy, M. (1995), 'Economics of education: then and now', in M. Carnoy (ed.), *International Encyclopedia of Economics of Education*, 2nd edn., Oxford: Pergamon.
- Child Poverty Unit (2009), Ending Child Poverty: Making It Happen, London: HMSO.
- Coates, D. (1999), 'Why growth rates differ', New Political Economy, 4: 1, 77–96.
- Coates, D. (2005), *Prolonged Labour The Slow Birth of New Labour Britain*, Basingstoke: Palgrave Macmillan.
- Conservative Party (2008a), Work for Welfare REAL Welfare Reform to Help Make British Poverty History, Policy Green Paper No.3, London.
- Conservative Party (2008b), Building Skills, Transforming Lives a Training and Apprenticeship Revolution, Policy Green Paper No.7, London.
- Crouch, C. (2008), 'What will follow the demise of privatised Keynesianism?', *The Political Quarterly*, 79: 4, 476–87.

- DCLG (2008), 'Statistical release updated council tax levels set by local authorities in England, 2008–9', available at http://www.communities.gov.uk/documents/statistics/pdf/1289074.pdf.
- DfES (Department for Education and Skills) (2007), Every Parent Matters: Creating Opportunity, Releasing Potential, Achieving Excellence, London: HMSO.
- Dolowitz, D. P. (2004), 'Prosperity and fairness? Can New Labour bring fairness to the 21st century by following the dictates of endogenous growth?', *British Journal of Politics and International Relations*, 6: 2, 213–30.
- Dorling, D. (2006), 'Inequalities in Britain 1997–2006: the dream that turned pear-shaped', Local Economy, 21: 4, 353–61.
- Drucker, P. (1993), Post-Capitalist Society, Oxford: Butterworth-Heinemann.
- Dustman, C., Ludsteck, J. and Schoeneberg, U. (2009), 'Revisiting the German wage structure', The Quarterly Journal of Economics, 124: 2, 843–81.
- DWP (Department for Work and Pensions) (2003), Measuring Child Poverty, London: HMSO.
- DWP (2005), Five Year Strategy: Opportunity and Security throughout Life, London: HMSO.
- DWP (2006), Making a Difference: Tackling Poverty A Progress Report, London: HMSO.
- DWP (2007), Working for Children Child Poverty Strategy, London: HMSO.
- DWP (2008a), Transforming Britain's Labour Market Ten Years of the New Deal, London: HMSO.
- DWP (2008b), Raising Expectations and Increasing Support: Reforming Welfare for the Future, White Paper London: HMSO.
- DWP (2009), 'Family Resources Survey, 2007–8', available at http://statistics.dwp.gov.uk/asd/frs/.
- DWP and DIUS (2008), 'Work Skills', Command Paper, prepared for the Department for Innovation, Universities and Skills and the Department for Work and Pensions, TSO.
- Esping-Andersen, G. (1990), The Three Worlds of Welfare Capitalism, Cambridge: Polity.
- Fine, B. (1998), Labour Market Theory: A Constructive Reassessment, London: Routledge.
- Finlayson, A. (2009), 'Financialisation, financial literacy and asset-based welfare', *British Journal of Politics and International Relations*, 11: 3, 1–23.
- Freud, D. (2007), 'Reducing dependency, increasing opportunity: options for the future of welfare to work', an independent report to the Department for Work and Pensions, HMSO
- Galbraith, J. K. (2001), 'The macroeconomics of income distribution', in J. K. Galbraith and M. Berner (eds.), *Inequality and Industrial Change: A Global View*, Cambridge University Press.
- Gamble, A. (2005), 'Commentary: the meaning of the third way', in A. Seldon and D. Kavanagh (eds.), *The Blair Effect 2001–5*, Cambridge: Cambridge University Press.
- GGDC (Groningen Growth and Development Centre) (2008), The EU KLEMS database, available at http://www.euklems.net/.
- Glyn, A. (2000), 'Unemployment and inequality', in T. Jenkinson (ed.), *Readings in Macroeconomics*, Oxford: Oxford University Press.
- Goos, M. and Manning, A. (2007), 'Lousy and lovely jobs: the rising polarization of work in Britain', *Review of Economics and Statistics*, 89: 1, 118–33.
- Gregg, P. (2008), 'Realising potential: a vision for personalised conditionality and support', an independent report to the Department for Work and Pensions, HMSO.
- Hall, P. A. and Soskice, D. W. (2001), 'Introduction', in P. A. Hall and D. W. Soskice (eds.), The Varieties of Capitalism: The Institutional Foundations of Comparative Advantage, Oxford: Oxford University Press.
- Harker, L. (2007), 'Child poverty and party politics: what hopes of a consensus?', *Poverty*, 128 (Autumn).
- Hay, C. (1999), *The Political Economy of New Labour*, Manchester: Manchester University Press. Heffernan, R. (2000), *New Labour and Thatcherism*, Basingstoke: Palgrave.
- HM Government UK (2000), Statutory Instrument 2000 No. 1551 The Part-time Workers (Prevention of Less Favourable Treatment) Regulations 2000.

- HMRC (2009), 'TCTM07APPX2 Tax credit calculation of entitlement: a worked example', available at http://www.hmrc.gov.uk/manuals/tctmanual/TCTM07APPX2.htm.
- HMRC (2010), 'Income tax, national insurance and tax credit allowances and bands', available at www.hmrc.gov.uk.
- Iversen, T. and Wren, A. (1998), 'Employment and budgetary restraint: the trilemma of the service economy', *World Politics*, 50: 4, 507–46.
- Jordan, B. (2008), Welfare and Well-being: Social Value in Public Policy, Bristol: Policy Press.
- Jordan, B. and Duevell, F. (2003), Migration: The Boundaries of Equality and Justice, Cambridge: Polity.
- Larsen, T. P., Taylor-Gooby, P. and Kananen, J. (2006), 'New Labour's policy style: a mix of policy approaches', *Journal of Social Policy*, 35: 4, 629–49.
- Leitch, S. (2006), Review of Skills: Prosperity for All in the Global Economy World Class Skills, A Review for HM Treasury and the Department for Education and Skills, Norwich: The Stationery Office.
- Levitas, R. (2005), *The Inclusive Society? Social Exclusion and New Labour*, Basingstoke: Palgrave Macmillan.
- Lewis, P. (2009), 'Understanding income distribution in modern capitalist economies', Ph.D. thesis, Political Science and International Studies, University of Birmingham.
- Liberal Democrats (2007), 'Freedom from poverty, opportunity for all', Policy Paper 80, London. Liberal Democrats (2009), 'Investing in talent, building the economy policies for adult further and higher education', Policy Paper 90, London.
- Lucas, R. E. (1988), 'On the mechanics of economic development', *Journal of Monetary Economics*, 22: 1, 3–42.
- Machin, S. (2001), 'The changing nature of labour demand in the new economy and skill-biased technology change', *Oxford Bulletin of Economics and Statistics*, 63: s1, 753–76.
- Mason, G., Mayhew, K. and Osborne, M. (2008), 'Low-paid work in the United Kingdom: an overview', in C. Lloyd, G. Mason and K. Mayhew (eds.), *Low-Wage Work in the United Kingdom*, New York: Russell Sage Foundation.
- OECD (1994), *The OECD Jobs Study: Facts, Analysis, Strategies*, Paris: Organisation for Economic Co-operation and Development.
- ONS (2010), Labour Force Survey, Leeds: Office for National Statistics.
- Page, R. M. (2007), 'Without a song in their heart: New Labour, the welfare state and the retreat from democratic socialism', *Journal of Social Policy*, 36: 1, 19–37.
- Romer, P. (1986), 'Increasing returns and long-run growth', *Journal of Political Economy*, 94: 5, 1002–37.
- Scholz, C. (2007), 'Editorial: Human capital management a long and winding road', *Zeitschrift für Personalforschung*, 21: 3, 203–05.
- Solow, R. (2008) 'Introduction the German story', in G. Bosch and C. Weinkopf (eds.), Low-Wage Work in Germany, New York: Russell Sage Foundation.
- Spitz-Oener, A. (2006), 'Technical change, job tasks and rising educational demands: looking outside the wage structure', *Journal of Labor Economics*, 24: 235–70.
- Theodore, N. (2007), 'New Labour at work: long term unemployment and the geography of opportunity', *Cambridge Journal of Economics*, 31: 6, 927–39.
- Van Parijs, P. (1995), Real Freedom for All: What (If Anything) Can Justify Capitalism? Oxford: Clarendon.

Appendix – Assumptions for net disposable income calculations in Table 2

The year worked corresponds to the tax year 2008/9. I have assumed that all workers earn the minimum wage of £5.73 per hour. A full-time worker works 37.5 hours per week, 48 weeks of the year; a half-time worker works 18.75 hours per week, 48 weeks of the year. Income tax and national insurance allowances

and bands are for the tax year 2008/9 (HMRC, 2010). Because NI is calculated weekly, earnings are spread evenly over 52 weeks. Council tax, included in BHC measures, is taken to be that of the lowest band, band A, which represents 25 per cent of dwellings and therefore is most likely representative of the lowest earning households. This is calculated as 6/9 of band D, or £915.33 (DCLG, 2008). All households are above the income threshold, including working tax credits (WTC), at which Council Tax Benefit has tapered to zero.

Tax credits follow 2008/9 allowances and taper according to income thresholds in the order: working tax credits (WTC), childcare element of working tax credits, child element of tax credits (CTC) and family element of child tax credits (CTC) (HMRC, 2010). Childcare costs are estimated at the weekly levels indicated in the table.

The net disposable median household income is the equivalised before housing cost income for a couple with two children under 14, £361 per week which equates to £18,772 per year (Adams *et al.*, 2009: 18, table 2.3) This is net of the variety of expenditure listed in Adams *et al.* (2009: 175–6). I considered it more straightforward to do the calculations BHC rather than estimate a further deduction for housing costs, which, given the availability of data, would have likely been equal for numerator and denominator in the proportion of median income calculations. Pension and student loan payments are deducted in the median BHC income measure, but were not deducted from the earnings of our hypothetical families due to lack of estimable data. If anything, this should increase estimated income as a percentage of the median.

Having tried two different on-line calculators for tax credits (HM Revenue and Customs, 2009; Working families.org.uk, 2009), which produced widely different results with minimal breakdown of workings, I constructed my own spreadsheet model following the assumptions listed above and HMRC's worked example (HMRC, 2009). As with the on-line calculators, this spreadsheet should be viewed as an estimation of the tax credits, tax and NI payable and is available upon request from the author.

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