# What Are the Roots of the Nation's Poor Health and Widening Health Inequalities? Rethinking Economic Growth for a Fairer and Healthier Future

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#### **Abstract**

Health inequalities are differences in health between groups in society. Despite them being preventable they persist on a grand scale. At the beginning of 2024, the Institute of Health Equity revealed in their report titled: Health Inequalities, Lives Cut Short, that health inequalities caused I million early deaths in England over the past decade. While the number of studies on the prevalence of health inequalities in the UK has burgeoned, limited emphasis has been given to exploring the factors contributing to these (widening) health inequalities. In this commentary article I will describe how the Government's relentless pursuit of economic growth and their failure to implement the necessary regulatory policies to mitigate against the insecurity and health effects neoliberal free market capitalism (referred to as capitalism herein) causes in pursuit of innovation, productivity and growth (economic dynamism) is one key driver underpinning this social injustice. I contend that if the priority really is to tackle health inequalities and ensure health for all then there is an imperative need to move beyond regulation alone to mitigate the worst effects of capitalist production; the goal of the economy has to change to fully restore the balance between economic growth and public health.

#### **Keywords**

capitalism, economic growth, inequality, health, social medicine

## **Main Text**

# Inaction on the Social Determinants of Health

The profound health inequalities between rich and poor which have been highlighted throughout the past century – most notably in the Black Report, published over 40 years ago, remain in England today.<sup>2,3</sup> A baby boy born in relatively deprived Kensington, Liverpool, can expect to live over 10 years less – and nearly 20 fewer years in good health - than a baby boy born in wealthy Kensington, London. Extensive evidence shows that health inequalities start early in life and are manifested by the environments in which people grow, live, work and age.<sup>5–9</sup> In his landmark report, Fair Society Healthy Lives, Sir Michael Marmot proposed an evidence-based plan to tackle health inequalities. Key to the plan was action on the social determinants of health to enable individuals to take control over their lives. Essentially, the report, like many others before it, argued that the solution to poor health is to prevent it from happening in the first place (e.g., 10–12). It involves ditching the reliance on short-term sticking plaster approaches and instead implementing long-term preventative approaches that tackle the root causes of poor health. Notably, eradicating poverty and providing the building blocks that enable people to lead healthy and meaningful lives: good jobs with fair pay, access to secure housing and much more.<sup>13</sup>

In the decade following Marmot's call to action on the social determinants of health, population health in England has worsened and health inequalities have widened. For the first time in a century life expectancy has stalled across the country.<sup>2,3</sup> The reasons for these trends are likely multifaceted. Nevertheless, there is no doubt that the Government's actions have played a key part. Indeed, recent evidence shows that the Government's policies of austerity - cutting back on public spending, has not only contributed to hundreds of thousands of excess deaths, <sup>14</sup> it has led to more people dying

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younger,<sup>3,15</sup> and in the years that people do live – spending fewer of them in good health.<sup>16</sup> But that is not all.

On top of decimating public services; a reality captured in the book, *Shattered Nation*<sup>17</sup> - the Government has failed to protect people's economic security and have signalled an intent to water down and curtail regulations that keep people healthy. Society is getting sicker as a result. <sup>18,19</sup> More and more people are living with obesity which is a key driver to a range of chronic non-communicable diseases. <sup>20,21</sup> Physical inactivity rates are high. <sup>22</sup> Work-related ill health due to stress is rising <sup>23</sup> and mental health is deteriorating with more and more people taking prescription pills to plaster over their psychological suffering. <sup>24–26</sup>

Economic historians have highlighted the importance of government intervention and regulation to mitigate against the disruption and resulting insecurity caused by economic growth. They contend that failure to do so only exacerbates the ensuing deprivation which gives rise to more disease and preventable deaths. A process they have called 'the four Ds'. 27,28 In the decades following the Second World War, the Government attempted to provide security for its people and correct some of the harms of capitalist markets including individual vulnerability to risks, the limited provision of public goods and services and the negative externalities of economic activity.<sup>29</sup> Characteristic of this time was the implementation of the welfare state which aimed to tackle society's 'five giant evils' (i.e., Want, Disease, Ignorance, Squalor, and Idleness, 30 and in doing so reduce the precarity people experience in life, in terms of food, housing, employment, income and health. While much progress was made in the decades that followed,<sup>31</sup> over 80 years on, these same 'five giants' continue to plague the UK daily. 32,33

Over the past decade there has been a significant rise in economic insecurity due to insecure work which has resulted in far too many people living insecure lives. 18 These people live in constant fear of the future. For how long will their job be secure? For how long can they live in their home, afford food and pay their bills? The Government have pointed out that unemployment is low and record numbers of people are in work, but what they continue to overlook and fail to mention is the quality of the jobs that are surfacing. Lots of people may be working but far too many jobs are increasingly precarious.<sup>34</sup> In his book, *The Precariat*, published in 2011, Guy Standing spoke of a new laboring class of individuals: 'the precariat', who hold down temporary jobs, have no sense of career, and receive limited social guarantees in the form of pensions, paid holidays or sickness insurance.<sup>35</sup> In the years since, precarious work has only exacerbated in the UK and resulted in a growing number of people leading an intolerable existence; their anxiety worsened by inadequate systems of social protection. 18,36 Zero hours contracts are now at record highs in the UK.<sup>37</sup> At the end of 2021, more than 1 million adults of working age (3.2%) were employed on a zero-hours contract compared to only 190,000 a decade ago.<sup>38</sup>

The architect of the British welfare state, Sir William Beveridge, saw employment as the solution to poverty. Yet the pool of 'working poor' is extensive and has been growing – owing to widespread casualised, insecure work and wages and benefits failing to keep pace with rising food, energy and housing costs. <sup>39–43</sup> Roughly 70% of working-age adults in poverty in the UK live in a household where at least one adult is working.44 When people are poorly paid and cannot afford to purchase good quality food - their body becomes undernourished and they fall ill. The degrading health impact of absolute material deprivation - inadequate nutritious food and shelter has been known for centuries. In the 1840s Friedrich Engels highlighted in The Condition of the Working Class in England, 45 how the living and working conditions brought on by the capitalist system resulted in health inequalities and sent the English workers prematurely to the grave. In a similar vein, 70 years later, Robert Tressell, emphasised in his semi-autobiographical novel, The Ragged Trousered Philanthropists, how the poor health of the hero of the book, impoverished painter and decorator Frank Owen, could not be solved by medicine alone. It was social medicine that he needed: 'proper conditions of life and proper food' 46:

In Britain – one of the wealthiest nations around – one in seven people face hunger.<sup>47</sup> Across the country, millions of emergency food parcels are being distributed by food banks every year. 48 Food is not just fundamental to human survival; it is a key ingredient to physical and mental health and development and the prevention and management of disease. 49-51 Millions of children are going without adequate nutritious food which is contributing to stunted growth and delayed development and a rise in Dickensian like diseases. 52-55 Another clear sign of social injustice is the rise in homelessness.<sup>56</sup> Millions of UK citizens are struggling to afford a basic human right - a secure place to live.<sup>57</sup> According to the charity Shelter<sup>58</sup> there are 1.4 million fewer households living in social housing in England than 40 years ago. Because more social homes are being sold and demolished than are being built - millions of households are being pushed into the private rented sector which is more expensive generally and less secure than social housing tenancies. For the economically insecure who live in poverty, each and every day is a battle to survive and remain afloat. The chronic stress that this gives rise to has a 'toxic' effect on both the body and the brain.<sup>59,60</sup>

That relative child poverty is rising and so many people face destitution and lack the basic necessities of life, <sup>61,62</sup> at a time when concentrated wealth in Britain has never been so high <sup>63,64</sup> – is clear proof – that something has gone badly wrong with society. UK politicians know that the current [low] rate of social security is pushing many people into poverty and driving destitution. The Government themselves published a report in 2022 highlighting the fact that current social policies do not provide enough money for people to live healthily. <sup>39</sup> That the Government are eyeing up more

welfare reforms, and publicly praising themselves for diverting much needed funds from the most in need areas <sup>65,66</sup> – contrary to their own *Levelling Up* policy, <sup>67</sup> and strong evidence showing the adverse effect that their welfare policies have had on food security, mental health and health inequalities <sup>68–72</sup> - is a shameful indictment of how the social contract is being torn up.

The unjust capitalist system and 'social murder' which Engels criticized - almost two centuries ago (45: 107), is very much evident today. There are clear signs that capitalism continues to create living and working conditions that harm health and kill. A fraction of society continues to benefit from these effects and are privy to them. That the Government are not only aware of these processes, but do little to mitigate them, through tackling the social and commercial determinants of health for example, shows how people in England, but especially the poorest, continue to be sent prematurely to the grave. As evidenced by the work of Marmot<sup>2,3</sup> and others (e.g.,14,16,18,74–76).

The economic approaches taken by governments have a direct impact on people's lives and on population health more generally. Indeed, the Government's relentless pursuit of economic growth under capitalism not only influences labour market regulations which shape the nature of jobs and wages as well as working conditions, it effects policies regarding taxes and welfare and public services spending. For instance, when the Government decides to cut taxes for the wealthy this lessens the distribution of wealth and widens income inequality. 63,64,77 When the Government weakens trade union power this gives employers greater freedom to suppress workers' wages. 78 When the Government axes employment and workplace regulations and supports 0 hours contracts this sanctions overwork, underemployment and precarious working conditions thereby endangering worker health and wellbeing. 79–85 When the Government shies away from enforcing the building of new homes and rent controls and weaken tenant's rights, this intensifies housing insecurity and reduces the quality of life and health for those unable to purchase their own home. 86–88

In the same way, when the Government delay regulations aimed at limiting the marketing of junk food to children this works against public health efforts to reduce the consumption of ultra-processed foods and sweetened beverages which contribute to obesity and harm health. <sup>89–94</sup> When the Government decides to drop regulations that would cut car use they work against public health efforts to improve air quality and make neighbourhoods safer and more walkable. <sup>95,96</sup> Similarly, when the Government make the decision to underfund public services or worse - privatise them, this sanctions underinvestment and corner cutting, and consequently degrades the quality of services which the most vulnerable in society rely upon. <sup>97</sup>

We see this underinvestment in the privatised water system. <sup>98,99</sup> The separation of human faeces from drinking water is one of the finest public health successes of all time. <sup>100</sup>

But public health and environmental standards are now slipping with for-profit water companies releasing sewage into waterways and coastal waters hundreds of thousands of times every year<sup>101</sup>; the places where children play and people swim. Despite the rise in water borne diseases in England, the Government have decided not to enforce tougher regulations on water companies which will permit the discharge of raw sewage into waterways for years to come. 102,103 The privatisation and outsourcing of public services can be a threat to public health in other ways too. For example, the outsourcing of National Health Service (NHS) cleaning and treatment services to for-profit companies in England over the past decade has not only resulted in poorer and higher rates of hospital-acquired hygiene infections, 104,105 it has also led to poorer quality care for patients and increased rates of treatable mortality, due to healthcare providers cutting costs (e.g., reducing staff-topatient ratios) and prioritising profits (e.g., high priority given to most profitable to treat conditions. 106,107) But market failure and the downsides of the for-profit industry can be managed through taxation and tough regulation in order to usher both the social and commercial determinants of health towards the common good. 108

Nevertheless, to improve population health and reduce inequalities in health, the Government will have to do more than simply enforcing tougher regulations and taxing products harmful to health. They will have to boost public sector capacity, not through more outsourcing, but through longterm investment. Health is an asset that not only enables individuals to thrive but underpins economic activity. It should therefore be seen as an essential investment not an expense. 109,110 In England, the impact of poor health on the economy is all too visible with record numbers of people waiting for care and out of the workforce due to long-term sickness. 111,112 There is a risk that inequality will only intensity if the Government were to cut back on public provision, move more towards a market society (from a market economy) and make money an even greater determining factor in accessing necessities including healthcare. 113

At the heart of deteriorating population health and widening inequalities is the eroding of public services. Local authorities play a vital role in improving the public's health. 114 They have done since the Victorian era. Public baths and wash-houses were introduced to combat poor hygiene and infectious disease, and public parks were seen as the lungs of the city - taking in dirty air to improve the respiratory health of inhabitants. 115,116 Nowadays local authorities provide services such as youth clubs and leisure centres and they continue to maintain our streets, parks, and open spaces – the places where children play and people exercise and walk their dogs. They offer libraries, adult learning and welfare support. They safeguard children and ensure that the most vulnerable in society are cared for and protected. But they are expected to provide these services on threadbare budgets. Local authority budgets have been slashed by almost 80% on average. In some parts of the country this rises to nearer 90%. This is why public services are on their knees, and why some councils are going bust. 118

Youth clubs are a safe space for young people and provide a sense of belonging. <sup>119</sup> Yet, at a time when young people's mental health is at crisis levels <sup>120</sup> these vital preventative services are being curtailed. <sup>121</sup> It is well established that Sure Start centres reduce childhood health inequalities. <sup>122–125</sup> Yet despite their positive impact, they have been battered under the Tory Government. <sup>126</sup> Leisure centres and swimming pools are also vital to the health and wellbeing of communities. <sup>127–129</sup> And to children's swimming participation and development – which is a national curriculum requirement. <sup>130</sup> However, many of these facilities too are on the brink of closure and a good number already have. <sup>131</sup>

Beyond providing access to books for people to learn, public libraries offer the digitally excluded access to the Internet. They are also important community hubs that support the health of communities and help to tackle social isolation. The very same thing that is plaguing the country - as evidenced by the Government's very own Minister for Loneliness. The social value that libraries provide could not be clearer. Their impact far outweighs their running costs. Although this strong evidence does not prevent them from being shut down. The social value acceptable.

# A Different Economic Goal

What is saddening is how much of Engels' and Tressell's accounts share a striking resemblance with the present day. Yes, living standards have improved since their time. But we still have a capitalist system whose goal is to make money at all costs. And as a consequence, millions still struggle daily and live hand-to-mouth. In the words of Engels: 'What is to become of those destitute millions, who consume today what they earned yesterday' (45: 30). Just like the Victorian era, they live on daily wages and have limited job security because of the demise of union power. As Tressell noted, Frank Owen 'was one of the few lucky ones who had some small share of work. [But still] most of the money he earned went for rent, to pay which they often had to go short of food' (46: 597).

Improving the health of the nation will require much more than improving the healthcare provided by the NHS. No number of sticking plasters will solve the health crises facing the country; not now nor in the future. In a similar sense, in high-income countries like the UK, poverty and health inequality will not be reduced at scale through boosting productivity and consumption and growing the economy further. What is needed is bold action on the social and commercial determinants of health. These are the underlying causes of ill health and inequality. But doing so will require political willingness across political parties to tackle industry influence by regulating the (legal) products that are lethal to health

and the advertising promoting their purchase. <sup>141</sup> There is also a requirement for a 'health in all policies' approach to ensure joined up thinking across Government. Marmot cities champion a long-term, 'health in all' policies approach. That they have been found to reduce health inequalities shows that a fairer approach is possible. <sup>142</sup> Short-term economic benefits have for too long been favoured at the expense of long-term societal costs. This is because preventative approaches and long-term goals like eradicating poverty and achieving health for all, do not fit with short-term electoral cycles or capitalism's profit motive. That only around 5% of the NHS budget is spent on preventive activity is testament to the priority the Government continues to place on treatment at the expense of prevention.

Recently, Hiam and colleagues<sup>143</sup> called on the Government to implement policies to tackle poverty so that individuals and families can lead healthy lives. But what we have to remember is, capitalism in its current form works against such a goal. The income and wealth inequality which results in poverty is no accident under capitalism. It is an essential component of the system. Although it is noteworthy that large variations in inequality measures do exist across capitalist countries due to differences in social policy. 144,145 Indeed, social democratic models of governance are capitalist but compared traditional forms of capitalism, they retain a much strong emphasis on welfare, progressive taxation and public investment which in turn supports economic equality and wellbeing. 146–149 The proponents of capitalism contend that self-interest and greed are good for profit and economic growth. The values promoted by capitalism: achievement, power and hedonism (e.g., self-centred satisfaction, control or dominance over people and resources) are in direct psychological conflict with the values underpinning efforts to tackle poverty and the inequitable distribution of power, money and resources. They are more altruistic and rooted in values of social justice, fairness and equity. 150 This is why achieving the societal goals highlighted above, which are core to the United Nations' Sustainable Development Goals, requires a complete change in economic and political ideology. Not just from the UK Government but from many other highincome countries too.

Growing the economy remains of upmost importance to the Government. But by relentlessly pursing this goal, society is not getting any healthier – it is getting sicker. The work of Marmot<sup>2</sup> and the report published by the British Medical Association offers striking evidence of the scale of the country's poor and unequal health. The ever-burgeoning evidence on widening discrepancies in other social markers such as rising wealth and income inequality, 63,64,77 air pollution and ecological breakdown and their health impacts signal that the costs of economic growth are now exceeding its benefits. Not only has the Government continually disregarded the welfare of a majority of citizens, they are locked in a continuous cycle of spending vast sums of public money to put right the health harms that the capitalist

economic system and their own policies have created. <sup>151</sup> This is why our obsession with economic growth has to end.

The time has come to change the goal of our economy and our overarching measure of social progress. We need an economy that maximises human wellbeing. An economy like this would value social justice and health over wealth and material growth. There are a range of wellbeing indicators for governments to use alongside economic targets and support policy making towards realising a healthier, more socially just and more sustainable future. In addition to the United Nations Sustainable Development Goals and targets, some of these measures include the Human Development Index, Genuine Progress Indicator, Happy Planet Index, and the Sustainable Wellbeing Index. 158 In the UK, inclusive growth approaches to regional economic development including Community Wealth Building have led to improved health and wellbeing outcomes and lower health inequalities. 159-161 A wellbeing economy would go further, having not just fairness, but human and planetary wellbeing as its goals. 162 A wellbeingbased economy would not only measure the gains to human and planetary wellbeing, but would account for the societal costs associated with economic activity which traditional economic approaches either ignore or downplay.

Wellbeing economy approaches are advocated by the World Health Organization to achieve healthier, fairer, prosperous societies. 163,164 Some European countries (e.g., Finland, Iceland, Scotland and Wales) are already making strides towards shifting to wellbeing economies, albeit in different ways. 165 The World Health Organization Council on the Economics of Health for All recently developed a framework based on four pillars: valuing, financing, innovating for, and strengthening capacity, to reorient economies to deliver what matters - health for all. 163 While a wellbeing economy that works towards achieving the 17 United Nations Sustainable Development Goals may hold the solution to achieving health for all, the principle remains a long way from being fully adopted by the Government, or indeed any government. Restoring the balance between economic growth and public health has to be a fundamental priority of our time, because every citizen has the right to a healthy and meaningful life. 130,138,149

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#### References

- Department of Health and Social Security Inequalities in health: report of a research working group. 1980. Available at: https://www.sochealth.co.uk/history/black.html (accessed 29 April 2024).
- Marmot M Health inequalities, lives cut short. London: University College London: UCL Institute of Health Equity, 2024. Available at: https://www.instituteofhealthequity.org/resources-reports/health-inequalities-lives-cut-short (accessed 10 January 2024).
- Marmot M, Allen J, Boyce T, et al. Marmot review 10 years on. London: Institute of Health Equity. 2020. Available at: https://www.instituteofhealthequity.org/resources-reports/marmot-review-10-years-on (accessed 10 January 2024).
- Office for National Statistics Health state life expectancy by 2011 Census wards, England and Wales: 2009 to 2013. 2018. Available at: https://www.ons.gov.uk/peoplepopulation andcommunity/healthandsocialcare/healthandlifeexpectancies/ articles/healthstatelifeexpectancyby2011censuswardsenglandand wales/2009to2013 (accessed on 29 April 2024).
- Braveman P, Egerter S and Williams DR. The social determinants of health: coming of age. *Annu Rev Publ Health* 2011; 32:381–398.
- Braveman P and Gottlieb L. The social determinants of health: it's time to consider the causes of the causes. *Publ Health Rep* 2014; 129(Suppl 2): 19–31.
- Dahlgren G and Whitehead M. Policies and strategies to promote social equity in health. Stockholm, Sweden: Institute for Futures Studies, 1991.
- 8. Marmot M. Social determinants of health inequalities. *Lancet* 2005; 365(9464): 1099–1114.
- 9. Marmot M. *The health gap: the challenge of an unequal world.* New York: Bloomsbury Press, 2015.
- CSDH. Closing the gap in a generation: health equity through action on the social determinants of health. Final report of the commission on social determinants of health. Geneva, World Health Organization. 2008.
- 11. Wanless D. Securing our future health: taking a long-term view. Final report. London: HM Treasury, 2002.
- 12. Wilkinson R and Marmot M. (*Social determinants of health: the solid facts*, 2nd ed. Geneva: World Health Organization, 2003
- 13. Noonan R. We've known for over a century that our environment shapes our health, so why are we still blaming unhealthy lifestyles? The Conversation 2020. Available at: https://theconversation.com/weve-known-for-over-a-century-that-our-environment-shapes-our-health-so-why-are-we-still-blaming-unhealthy-lifestyles-145597 (accessed 10 January 2024).
- 14. Walsh D, Dundas R, McCartney G, et al. Bearing the burden of austerity: how do changing mortality rates in the UK

- compare between men and women? *J Epidemiol Community* 2022a; 76(12): 1027–1033.
- Boseley S. Austerity blamed for life expectancy stalling for first time in century. 2020 Available at: https://www.theguardian.com/ society/2020/feb/24/austerity-blamed-for-life-expectancystalling-for-first-time-in-century (accessed 10 January 2024).
- Walsh D, Wyper GMA and McCartney G. Trends in healthy life expectancy in the age of austerity. *J Epidemiol Community* 2022b; 76: 743–745.
- 17. Dorling D. Shattered nation: inequality and the geography of a failing state. London: Verso. 2023.
- British Medical Association The country is getting sicker. 2022.
  Available at: https://www.bma.org.uk/media/6520/the-country-is-getting-sicker-bma.pdf (accessed 10 January 2024).
- Limb M. Doctors report "cry of pain" at witnessing worsening health under government cuts. BMJ 2022; 379: o2908.
- Office for Health Improvement & Disparities Obesity rofile: short statistical commentary May 2023. 2023. Available at: https://www.gov.uk/government/statistics/obesity-profile-update-may-2023/obesity-profile-short-statistical-commentary-may-2023 (accessed 10 January 2024).
- 21. World Obesity Federation World obesity atlas 2023. 2023. Available at: https://data.worldobesity.org/publications/?cat=19 (accessed 29 April 2024).
- Office for Health Improvement & Disparities Physical activity data tool: statistical commentary, January 2022. 2022. Available at: https://www.gov.uk/government/statistics/physical-activitydata-tool-january-2022-update/physical-activity-data-toolstatistical-commentary-january-2022 (accessed 10 January 2024).
- Health and Safety Executive HSE publishes annual work-related ill-health and injury statistics for 2021/22. 2022. https://press.hse.gov.uk/2022/11/23/hse-publishes-annual-work-related-ill-health-and-injury-statistics-for-2021-22/ (accessed 29 April 2024).
- 24. Davies J. Sedated: how modern capitalism created our mental health crisis. London: Atlantic Books, 2022.
- 25. Davies J, Read J, Kruger D, et al. Politicians, experts, and patient representatives call for the UK government to reverse the rate of antidepressant prescribing. *BMJ* 2023; 383: 2730.
- 26. Iacobucci G. NHS prescribed record number of antidepressants last year. *BMJ* 2019; 364: 11508.
- Szreter S. Economic growth, disruption, deprivation, disease, and death: on the importance of the politics of public health for development. *Popul Dev Rev* 1997; 23(4): 693–728.
- Szreter S. Rapid economic growth and 'the four Ds' of disruption, deprivation, disease and death: public health lessons from nineteenth-century Britain for twenty-first-century China? *Trop Med Int Health* 1999; 4(2): 146–152.
- 29. Wright EO. *How to be an anticapitalist in the twenty-first century.* London: Verso, 2019.
- 30. Beveridge W. *Social insurance and allied services*. London: His Majesty's Stationery Office, 1942.
- Atkinson AB. The distribution of income and wealth in Britain over the twentieth century. In Halsey AH and Webb J (eds) *British Social Trends*. Houndmills: Palgrave Macmillan, 2000, pp.38–381.

- 32. Armstrong S. Want, disease, ignorance, squalor and idleness: are Beveridge's five evils back? Guardian 2017 Available at: https://www.theguardian.com/society/2017/oct/10/beveridge-five-evils-welfare-state (accessed 10 January 2024).
- 33. Greener I The 'new five giants' conceptualising the challenges facing societal progress in the 21st Century. *Soc Pol Adm* 2022; 56(2): 329–342.
- Office for National Statistics Labour market overview, UK: february 2022. 2022. Available at: https://www.ons.gov.uk/ releases/uklabourmarketfebruary2022 (accessed 29 April 2024).
- Standing G. The precariat: the new dangerous class. London: Bloomsbury Academic, 2011.
- Standing G. Basic income: and how we can make it happen. London: Pelican, 2017.
- Martin A, Williams GD, Atay A, et al. Zero Choices: swapping zero-hour contracts for secure, *Flexible working*. London: The Work Foundation at Lancaster University, 2024.
- 38. Office for National Statistics EMP17: people in employment on zero hours contracts. 2024a. Available at: https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/employment andemployeetypes/datasets/emp17peopleinemploymentonzero hourscontracts (accessed 29 April 2024).
- All Party Parliamentary Group on Poverty In-work poverty.
  2022 Available at: https://www.appgpoverty.org.uk/wp-content/uploads/2022/07/APPG\_Poverty\_in\_work\_poverty\_FINAL.pdf (accessed 10 January 2024).
- Bourquin P, Cribb J, Waters T, et al. Why has in-work poverty risen in Britain? London: Institute for Fiscal Studies, 2019.
  Available at: https://ifs.org.uk/sites/default/files/output\_url\_files/WP201912.pdf (accessed 10 January 2024).
- Goddard A. The cost of living crisis is another reminder that our health is shaped by our environment. BMJ 2022; 377: o1343.
- 42. Innes D. What has driven the rise of in-work poverty? York: Joseph Rowntree Foundation, 2020. Available at: https://www.jrf.org.uk/work/what-has-driven-the-rise-of-in-work-poverty (accessed 10 January 2024).
- 43. Patrick R. Living at the sharp end of socio-economic inequality: everyday experiences of poverty and social security receipt. IFS Deaton Review of Inequalities. 2023. Available at: https://ifs.org.uk/inequality/living-at-the-sharp-end-of-socio-economic-inequality-everyday-experiences-of-poverty-and-social-security-receipt/ (accessed 10 January 2024).
- 44. Joseph Rowntree Foundation UK Poverty 2022: the essential guide to understanding poverty in the UK. 2022. Available at: https:// www.jrf.org.uk/work/uk-poverty-2022-the-essential-guide-tounderstanding-poverty-in-the-uk (accessed 10 January 2024).
- 45. Engels F. *The condition of the working class in England*. Oxford: Oxford University Press, 1845/2009.
- Tressell R. The ragged trousered Philanthropists. London: Wordsworth Editions Limited, 1914/2012.
- Bull R, Miles C, Newbury E, et al. Hunger in the UK. Salisbur: The trussell trust. 2023. Available at: https://www.trusselltrust.org/wp-content/uploads/sites/2/2023/08/2023-The-Trussell-Trust-Hunger-in-the-UK-report-web-updated-10Aug23.pdf (accessed 10 January 2024).

 The Trussell Trust End of year stats. 2023. Available at: https://www.trusselltrust.org/news-and-blog/latest-stats/end-year-stats/ (accessed 10 January 2024).

- Black MM, Trude ACB and Lutter CK. All children thrive: integration of nutrition and early childhood development. *Annu Rev Nutr* 2020; 40: 375–406.
- 50. Firth J, Gangwisch JE, Borsini A, et al. Food and mood: how do diet and nutrition affect mental wellbeing? *BMJ* 2020; 369: m2382.
- GBD 2017 Diet Collaborators Health effects of dietary risks in 195 countries, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet* 2019; 393: 1958–1972.
- 52. Marmot M. Britain's shorter children reveal a grim story about austerity, but its scars run far deeper. 2023. Available at: https://www.theguardian.com/commentisfree/2023/jun/25/britains-shorter-children-reveal-a-grim-story-about-austerity-but-its-scars-run-far-deeper#:~:text=In.1985%2C.boys.and. girls,than.children.in.the.Netherlands (accessed 10 January 2024).
- 53. NCD Risk Factor Collaboration Height and body-mass index trajectories of school-aged children and adolescents from 1985 to 2019 in 200 countries and territories: a pooled analysis of 2181 population-based studies with 65 million participants. *Lancet* 2020; 396(10261): 1511–1524.
- O'Connell R, Knight A and Brannen J. Living hand to mouth. London: child poverty action group. 2019. Available at: https://cpag.org.uk/policy-and-campaigns/report/living-hand-mouth (accessed 10 January 2024).
- 55. UK Parliament Health, volume 660: debated on tuesday 14 may 2019. 2019. Available at: https://hansard.parliament.uk/commons/2019-05-14/debates/D6FAC629-2148-4080-893B-DE850B227901/Health (accessed 10 January 2024).
- Department for Levelling Up, Housing & Communities Support for people sleeping rough in England, March 2023.
   Available at: https://www.gov.uk/government/publications/support-for-people-sleeping-rough-in-england-march-2023/support-for-people-sleeping-rough-in-england-march-2023 (accessed 10 January 2024).
- 57. United Nations The right to adequate housing. 1991. Available at: https://www.ohchr.org/en/special-procedures/sr-housing/human-right-adequate-housing (accessed 10 January 2024).
- 58. Shelter Social housing deficit. 2024. Available at: https://england.shelter.org.uk/support\_us/campaigns/social\_housing deficit (accessed 10 January 2024).
- 59. McEwen BS. Neurobiological and systemic effects of chronic stress. *Chronic Stress* 2017; 1: 1–11.
- 60. Sapolsky R. Sick of poverty. Sci Am 2005; 293(6): 92-99.
- End Child Poverty Child poverty in your area. 2023. Available at: https://endchildpoverty.org.uk/child-poverty/ (accessed 29 April 2024).
- Joseph Rowntree Foundation Destitution in the UK 2023.
  Available at: https://www.jrf.org.uk/deep-poverty-and-destitution/destitution-in-the-uk-2023 (accessed 10 January 2024).

- 63. Lansley S. The richer, the poorer: how Britain enriched the few and failed the poor. A 200-year history. Bristol: Policy Press, 2021.
- Lansley S. Tackling poverty requires an egalitarian agenda. 2022.
  Available at: https://askcpag.org.uk/content/208222/tackling-poverty-requires-an-egalitarian-agenda (accessed 10 January 2024).
- Syal R Rishi Sunak admits taking money from deprived areas.
  Available at: https://www.theguardian.com/politics/2022/aug/05/video-emerges-of-rishi-sunak-admitting-to-taking-money-from-deprived-areas (accessed 10 January 2024).
- 66. Goodier M, Duncan P, Halliday J, et al. Slap in the face': Tory seats gain more from £4bn levelling up fund, 2023. Available at: https://www.theguardian.com/politics/2023/jan/19/tory-seats-gain-more-4bn-levelling-up-fund-finds-analysis (accessed 10 January 2024).
- 67. Department for Levelling Up, Housing and Communities Levelling up the United Kingdom. 2022. Available at: https:// www.gov.uk/government/publications/levelling-up-theunited-kingdom (accessed 10 January 2024).
- Lambie-Mumford H and Loopstra R. In Lambie-Mumford H and Silvasti T (eds) *The Rise of Food Charity in Europe*. Bristol: Bristol University Press, 2020, pp.191–218.
- Loopstra R, Fledderjohann J, Reeves A, et al. Impact of welfare benefit sanctioning on food insecurity: a dynamic cross-area study of food bank usage in the UK. *J Soc Pol* 2018; 47(3): 437–457.
- Reeves A and Loopstra R. The continuing effects of welfare reform on food bank use in the UK: the roll-out of Universal Credit. J Soc Pol (2021; 50(4): 788–808.
- Simpson J, Albani V, Bell Z, et al. Effects of social security policy reforms on mental health and inequalities: a systematic review of observational studies in high-income countries. Soc Sci Med 2021; 272: 113717.
- Wickham S, Bentley L, Rose T, et al. Effects on mental health of a UK welfare reform, Universal Credit: a longitudinal controlled study. *Lancet Public Health* 2020; 5: 157–164.
- Medvedyuk S, Govender P and Raphael D. The reemergence of Engels' concept of social murder in response to growing social and health inequalities. Soc Sci Med 2021; 289: 114377.
- Coyle D and Muhtar A. Levelling up policies and the failure to learn. Contemporary Social Science 2023; 18(3-4): 406–427.
- Grover C. Violent proletarianisation: social murder, the reserve army of labour and social security 'austerity' in Britain. *Crit Soc Pol* 2019; 39(3): 335–355.
- Joyce R and Xu X. Inequalities in the twenty-first century: introducing the IFS deaton review. London: The Institute for Fiscal Studies, 2019. Available at: https://ifs.org.uk/ inequality/chapter/briefing-note/ (accessed 10 January 2024).
- 77. Hope D and Limberg J. The economic consequences of major tax cuts for the rich. *Soc Econ Rev* 2022; 20(2): 539–559.
- Daniels S. How consecutive Conservative governments destroyed union rights a timeline of the UK's anti-strike laws since the 1970s. 2023. Available at: https://theconversation.com/how-consecutive-conservative-governments-destroyed-union-rights-a-timeline-of-the-uks-anti-strike-laws-since-the-1970s-198178 (accessed 10 January 2024).

- Benach J, Vives A, Amable M, et al. Precarious employment: understanding an emerging social determinant of health. *Annu Rev Psychol* 2014; 35: 229–253.
- Department for Business, Innovation & Skills 3,000 regulations to be reformed or slashed. Available at: https://www.gov.uk/government/news/3000-regulations-to-be-reformed-orslashed (accessed 10 January 2024).
- Farina E, Green C and McVicar D. Zero hours contracts and self-reported (mental) health in the UK. *Br J Ind Relat*. 2024; 62: 50–71.
- 82. Hagedorn J, Paras CA, Greenwich H, et al. The role of labor unions in creating working conditions that promote public health. *Am J Publ Health* 2016; 106(6): 989–995.
- 83. Institute of Employment Rights Working time regulations under threat as govt stoke bonfire of workers' rights again. 2023. Available at: https://www.ier.org.uk/news/working-time-regulations-under-threat-as-govt-stoke-bonfire-of-workers-rights-again/ (accessed 10 January 2024).
- 84. Kim TJ and von dem Knesebeck O. Is an insecure job better for health than having no job at all? A systematic review of studies investigating the health-related risks of both job insecurity and unemployment. *BMC Publ Health* 2015; 15: 985.
- Irvine A and Rose N. How does precarious employment affect mental health? a scoping review and thematic synthesis of qualitative evidence from western economies. Work Employ Soc. 2024; 38(2): 418–441. doi:10.1177/09500170221128698.
- Bess KD, Miller AL and Mehdipanah R. The effects of housing insecurity on children's health: a scoping review. *Health Promot Int* 2023; 38(3): daac006.
- 87. DeLuca S and Rosen E Housing insecurity among the poor today. *Annu Rev Sociol* 2022; 48: 343–371.
- 88. Rolfe S, Garnham L, Godwin J, et al. Housing as a social determinant of health and wellbeing: developing an empirically-informed realist theoretical framework. *BMC Publ Health* 2020; 20: 1138.
- 89. Boyland EJ, Nolan S, Kelly B, et al. Advertising as a cue to consume: a systematic review and meta-analysis of the effects of acute exposure to unhealthy food and nonalcoholic beverage advertising on intake in children and adults. *Am J Clin Nutr* 2016; 103(2): 519–533.
- Boyland E, McGale L, Maden M, et al. Association of food and nonalcoholic beverage marketing with children and adolescents' eating behaviors and health: a systematic review and meta-analysis. *JAMA Pediatr* 2022; 176(7): e221037.
- Department of Health and Social Care Government delays restrictions on multibuy deals and advertising on TV and online. 2022a. Available at: https://www.gov.uk/government/ news/government-delays-restrictions-on-multibuy-deals-andadvertising-on-tv-and-online (accessed 10 January 2024).
- Lane MM, Gamage E, Du S, et al. Ultra-processed food exposure and adverse health outcomes: umbrella review of epidemiological meta-analyses. *BMJ* 2024; 384: e077310.
- 93. Mytton OT, Boyland E, Adams J, et al. The potential health impact of restricting less-healthy food and beverage

- advertising on UK television between 05.30 and 21.00 hours: a modelling study. *PLoS Med* 2020; 17(10): e1003212.
- 94. Thomas C, Breeze P, Cummins S, et al. The health, cost and equity impacts of restrictions on the advertisement of high fat, salt and sugar products across the transport for London network: a health economic modelling study. *Int J Behav Nutr Phys Activ* 2022; 19: 93.
- 95. Department for Transport Government announces new long-term plan to back drivers. 2023. Available at: https://www.gov.uk/government/news/government-announces-new-long-term-plan-to-back-drivers (accessed 10 January 2024).
- Kuss P and Nicholas KA. A dozen effective interventions to reduce car use in European cities: lessons learned from a metaanalysis and transition management. *Case Studies on Transport Policy* 2022; 10(3): 1494–1513.
- UNISON Shocking picture of austerity cuts to local services is revealed by UNISON. 2019. Available at: https://www.unison. org.uk/news/article/2019/12/shocking-picture-austerity-cutslocal-services-revealed-unison/ (accessed 10 January 2024).
- 98. Laville S. How could England's water system be fixed? Guardian. 2024. Available at: https://www.theguardian.com/business/2024/jan/10/how-could-englands-water-system-be-fixed#:~:text=A\_debt%2Dridden%2C\_leaking%2C,English\_water\_industry\_in\_2024 (accessed 10 January 2024).
- Laville S, Leach A. and Aguilar García C In charts: how privatisation drained Thames Water's coffers. 2023. Available at: https://www.theguardian.com/business/2023/jun/30/incharts-how-privatisation-drained-thames-waters-coffers (accessed 10 January 2024).
- 100. Department of Health and Social Care Sewage in water: a growing public health problem. 2022b. Available at: https://www.gov.uk/government/news/sewage-in-water-a-growing-public-health-problem#:~:text=Raw\_sewage\_from\_storm\_overflows,companies\_are\_not\_doing\_enough (accessed 10 January 2024).
- 101. River Action Raw sewage dumped into English rivers over 800 times a day, data reveals. 2023. Available at: https:// riveractionuk.com/raw-sewage-dumped-into-english-riversover-800-times-a-day-data-reveals/ (accessed 10 January 2024).
- 102. Horton H Hospital admissions for waterborne diseases in England up 60%, report shows. 2024. Available at: https:// www.theguardian.com/environment/2024/mar/29/hospitaladmissions-for-waterborne-diseases-in-england-up-60report-shows (accessed 29 April 2024).
- 103. Liberal Democrats Tory MPs vote for 15 more years of sewage dumping. 2023. Available at: https://www.libdems.org.uk/ news/adlib-articles/conservative-mps-vote-for-15-moreyears-of-sewage-dumping (accessed 10 January 2024).
- 104. Elkomy S, Cookson G and Jones S. Cheap and dirty: the effect of contracting out cleaning on efficiency and effectiveness. *Publ Adm Rev* 2019; 79(2): 193–202.
- Toffolutti V, Reeves A, McKee M, et al. Outsourcing cleaning services increases MRSA incidence: evidence from 126 English acute Trusts. Soc Sci Med 2016; 174, 64–69.
- Goodair B and Reeves A. Outsourcing health-care services to the private sector and treatable mortality rates in England,

- 2013–20: an observational study of NHS privatisation. *Lancet Public Health* 2022; 7; 638–646.
- Goodair B and Reeves A. The case against outsourcing from healthcare services. Gac Sanit 2024; 38: 102362.
- 108. Finch D, Briggs A and Tallack C. *Improving health by tackling market failure*. London: Health Foundation, 2020. Available at: https://www.health.org.uk/publications/long-reads/improving-health-by-tackling-market-failure (accessed 14 May 2024).
- Mazzucato M. Regulate industry in all economic sectors to achieve health for all. BMJ 2024; 385, q530.
- 110. Raymond A, Watt T, Douglas HR, et al. Health inequalities 2040: current and projected patterns of illness by level of deprivation in England. London: The Health Foundation, 2024.
- 111. Office for National Statistics Rising ill-health and economic inactivity because of long-term sickness, UK: 2019 to 2023. 2023. Available at: https://www.ons.gov.uk/employmentandlabourmarket/peoplenotinwork/economicinactivity/articles/risingillhealthandeconomicinactivity becauseoflongtermsicknessuk/2019to2023#:~:text=The.number.of.people.economically,(COVID%2D19).pandemic. (accessed 14 May 2024).
- 112. Office for National Statistics NHS waiting times, 2024b. Available at: https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/healthcaresystem/datasets/nhswaitingtimes16januaryto15february2024 (accessed 14 May 2024).
- 113. Sandel MJ. What money can't buy: the moral limits of markets. New York: Farrar, Straus & Giroux, 2012.
- 114. Local Government Social determinants of health and the role of local government. 2020. Available at: https://www.local. gov.uk/publications/social-determinants-health-and-rolelocal-government (accessed 10 January 2024).
- 115. Jordan H. Public parks 1885-1914. *Gard Hist* 1994; 22(1): 85–113.
- 116. Sheard S. Profit is a dirty word: the development of public baths and wash-houses in Britain 1847-1915. *Soc Hist Med* 2000; 13(1): 63–68.
- 117. UK Parliament Merseyside: funding of local authorities. 2022. Available at: https://hansard.parliament.uk/Commons/2022-02-08/debates/EBC02CD9-2867-4951-AF34-820EF696AF18/MerseysideFundingOfLocalAuthorities (accessed 10 January 2024).
- 118. Davies R. At least 26 English councils 'at risk of bankruptcy in next two years'. 2023. Available at: https://www.theguardian. com/society/2023/aug/28/at-least-26-english-councils-atrisk-of-bankruptcy-in-next-two-years (accessed 10 January 2024).
- Eriksenhttps IM and Seland I. Conceptualizing well-being in youth: the potential of youth clubs. *Young* 2021; 29(2): 175–190.
- 120. NHS Digital Mental health services monthly statistics. 2024. Available at: https://digital.nhs.uk/data-and-information/publications/statistical/mental-health-services-monthly-statistics (accessed 10 January 2024).
- 121. YMCA Devalued by a decade of cuts, dramatic fall in spend per head and a debilitating postcode lottery: the latest picture

- of youth service funding. 2022. Available at: https://www.ymca.org.uk/latest-news/devalued-by-a-decade-of-cuts-dramatic-fall-in-spend-per-head-and-a-debilitating-postcode-lottery-the-latest-picture-of-youth-service-funding (accessed 10 January 2024).
- 122. Cattan S, Conti G, Farquharson C, et al. Report reveals benefits of sure start. London: Institute of Fiscal Studies. 2019. Available at: https://ifs.org.uk/articles/report-reveals-benefits-sure-start (accessed 10 January 2024).
- 123. Mason KE, Alexiou A, Bennett DL, et al. Impact of cuts to local government spending on Sure Start children's centres on childhood obesity in England: a longitudinal ecological study. *J Epidemiol Community* 2021; 75(9): 860–866.
- O'Dowd A. Sure Start children's centres prevented 13 000 hospital admissions a year, study estimates. BMJ 2021; 374: n2032.
- 125. Torjesen I. Austerity cuts are eroding benefits of Sure Start children's centres. *BMJ*; 2016; 352: i335.
- Smith G, Sylva K, Smith T, et al. Stop start: survival, decline or closure? Children's centres in England, 2018. The Sutton Trust. 2018. Available at: https://www.suttontrust.com/our-research/ sure-start-childrens-centres-england/ (accessed 10 January 2024).
- 127. Halliday E, Barr B, Higgerson J, et al. Using local authority entrance charges to tackle inequalities in physical activity? A qualitative study of leisure and public health perspectives. *J Publ Health* 2018; 40(3): 567–572.
- 128. Heckel L, Eime R, Karg A, et al. A systematic review of the wellbeing benefits of being active through leisure and fitness centres. *Leisure Stud.* 2023; 1–17. doi:10.1080/02614367. 2023.2243654.
- 129. Higgerson J, Halliday E, Ortiz-Nunez A, et al. The impact of free access to swimming pools on children's participation in swimming. A comparative regression discontinuity study. J Publ Health. 2018; 41(2): 214–221.
- 130. Higgerson J, Halliday E, Ortiz-Nunez A, et al. The impact of free access to swimming pools on children's participation in swimming. A comparative regression discontinuity study. *Journal of Public Health*. 2019; 41(2): 214–221.
- 131. Goodier M. England has lost almost 400 swimming pools since 2010. 2023. Available at: https://www.theguardian.com/society/2023/mar/12/england-has-lost-almost-400-swimming-pools-since-2010 (accessed 10 January 2024).
- 132. Chartered Institute of Public Finance and Accountancy Manchester Libraries: research into how libraries help people with loneliness and isolation. 2020. Available at: https://file://holly01/RN3\$/Downloads/Manchester-libraries\_FINAL.(1). pdf (accessed 10 January 2024).
- Wilson AJ, Staley C, Davis B, et al. Libraries advancing health equity: a literature review. *Ref Serv Rev* 2023; 51(1): 65–76.
- 134. Prime Minister's Office PM launches Government's first loneliness strategy. 2018. Available at: https://www.gov.uk/government/news/pm-launches-governments-first-loneliness-strategy (accessed 10 January 2024).
- 135. Appleton L, Hall H, Duff AS, et al. UK public library roles and value: a focus group analysis. *J Librarian Inf Sci* 2018; 50(3): 275–283.

- 136. Gordon J, Blackett A, Fordham R, et al. Libraries for living, and for living better: the value and impact of public libraries in the East of England: Norwich. UEA Publishing Project, 2023. Available at: https://www.librariesconnected.org.uk/sites/default/files/Libraries\_for\_Living%2C\_and\_for\_Living\_Better.pdf (accessed 10 January 2024).
- 137. Ruthven I, Robinson E and McMenemy D. The value of digital and physical library services in UK public libraries and why they are not interchangeable. *J Librarian Inf Sci* 2023; 55(4): 1143–1154.
- 138. Philbin MM, Parker CM, Hirsch JS, et al. Public libraries: a community-level resource to advance population health. *J Community Health*. 2019; 44(1): 192–199.
- 139. Flood A. Britain has closed almost 800 libraries since 2010, figures show. Available at: https://www.theguardian.com/books/2019/dec/06/britain-has-closed-almost-800-libraries-since-2010-figures-show (accessed 10 January 2024).
- 140. Kelly L. Battle to save Britain's libraries as budget cuts, closures and austerity leaves future uncertain. Big Issue. Available at: https://www.bigissue.com/news/activism/uk-libraries-weekbudget-cuts-future-joseph-coelho/ (accessed 10 January 2024).
- Freudenberg N. Lethal but legal: corporations, consumption, and protecting public health. Oxford: Oxford University Press, 2014.
- 142. Faherty G and Gaulton L. Working together to reduce health inequalities in the Marmot City of Coventry. *Prim Health Care* 2017; 27(2):26–29.
- 143. Hiam L, Klaber B, Sowemimo A, et al. Health is going in the wrong direction in the UK, and reversing the trend requires political and societal commitment to deal with the underlying causes. *BMJ* 2024; 385: e079389.
- 144. Piketty T. Capital in the twenty-first century. Cambridge, Mass: The Belknap Press of Harvard University Press, 2014.
- 145. Wilkinson RG and Pickett K. *The spirit level: why greater equality makes societies stronger*. New York: Bloomsbury Press, 2010.
- 146. Becker JC, Hartwich L and Haslam SA. Neoliberalism can reduce well-being by promoting a sense of social disconnection, competition, and loneliness. *Br J Soc Psychol* 2021; 60: 947–965.
- 147. Schrecker T. Neoliberalism and health: the linkages and the dangers. *Soc Compass* 2016; 10: 952–971.
- 148. Viens AM. Neo-Liberalism, austerity and the political determinants of health. *Health Care Anal* 2019; 27: 147–152.
- 149. Martela F, Greve B, Rothstein B, et al. The Nordic exceptionalism: what explains why the Nordic countries are constantly among the happiest in the world. 2020.
- 150. Schwartz SH. An overview of the schwartz theory of basic values. *Online Readings in Psychology and Culture* 2012; 2(1), doi: 10.9707/2307-0919.1116.

- 151. Noonan R. Capitalism, health and wellbeing: rethinking economic growth for a healthier, sustainable future. Leeds: Emerald Publishing Limited, 2024.
- Arasaradnam R. The impact of climate change on health is an immediate danger. *BMJ* 2023; 383: p2281.
- 153. Fuller R, Landrigan PJ, Balakrishnan K, et al. Pollution and health: a progress update. *Lancet Planet Health* 2022; 6: e535–e547.
- 154. Issa R, Thomas A, Firaq N, et al. Loss and damage responses to climate change. *BMJ* 2023; 383: p2182.
- 155. Hickel J. Less is more: how degrowth will save the world. London: Windmill Books, 2021.
- Holgate S. Air pollution is a public health emergency. BMJ 2022; 378: o1664.
- 157. Lelieveld J, Haines A, Burnett R, et al. Air pollution deaths attributable to fossil fuels: observational and modelling study. *BMJ* 2023; 383: e077784.
- 158. Costanza R, Daly L, Fioramonti L, et al. Modelling and measuring sustainable wellbeing in connection with the UN sustainable Development goals. *Ecol Econ* 2016; 130: 350–355.
- 159. Naik Y, Abbs I, Elwell-Sutton T, et al. Using economic development to improve health and reduce health inequalities. Available at: https://www.health.org.uk/publications/reports/using-economic-development-to-improve-health-and-reduce-health-inequalities (accessed 14 May 2024).
- 160. Rice H, Hoehn A and Lomax N. Measuring the inclusive economy. 2024. Available at: https://www.gla.ac.uk/research/ az/sipher/sharingourevidence/blog/headline\_1049629\_en. htm (accessed 14 May 2024).
- 161. Rose TC, Daras K, Manley J, et al. The mental health and wellbeing impact of a Community Wealth Building programme in England: a difference-in-differences study. *Lancet Public Health* 2023; 8(6):e403–e410.
- 162. Fioramonti L, Coscieme L, Costanza R, et al. Wellbeing economy: an effective paradigm to mainstream post-growth policies? *Ecol Econ* 2022; 192: 107261.
- 163. World Health Organization Health for all: transforming economies to deliver what matters. 2023a. Available at: https://www.who.int/publications/i/item/9789240080973 (accessed 14 May 2024).
- 164. World Health Organization Health in the well-being economy: background paper: working together to achieve healthy, fairer, prosperous societies across the WHO European Region. 2023b. Available at: https://www.who.int/europe/publications/i/item/WHO-EURO-2023-7144-46910-68439 (accessed 14 May 2024).
- 165. World Health Organization Deep dives on the well-being economy showcasing the experiences of Finland, Iceland, Scotland and Wales: summary of key findings. 2023c. Available at: https://www.who.int/europe/publications/i/item/WHO-EURO-2023-7033-46799-68216 (accessed 29 April 2024).