

Cost of living crisis: a UK crisis with global implications – A call to action for paediatricians

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ABSTRACT

The UK's 'cost of living crisis' (COLC) has thrown millions of families into poverty in 2022, delivering an intensifying economic shock that will likely eclipse the financial impact of the global coronavirus pandemic for children, families and communities alike. But what is the relevance for paediatricians? Written by doctors who spend considerable time confronting social problems from clinical, public health and advocacy perspectives, this article aims to untangle the COLC for those working in child health and seeks to stimulate a meaningful conversation about how we might reimagine paediatrics for life in the 21st century. Taking the current crisis as our point of departure, we argue that the UK's COLC can be best understood as a 'crisis of inequality', which has been created through social, economic and political processes that were not inevitable. The health impacts, then, are a matter of health equity and social justice. While the acuity of the crisis unfolding in the UK garners much attention, the implications are global with lessons for paediatricians everywhere. We propose that using a 'social lens' for understanding the true 'causes of the causes' of complex challenges such as COLC is essential for the 21st century paediatrician, as the consequences for child health is deep, wide-ranging and long-lasting. However, the current gap in knowledge, skills and infrastructure in this area leads to disempowerment in the profession.

We end with this provocation: What, after all, does it mean to be a paediatrician in a time of economic crisis? We offer thoughts about how paediatricians might respond to social challenges, such as the COLC, acknowledging that organised and concerted action must be taken both inside and outside of health systems if we are to help bring about the changes that our patients and their surrounding communities urgently need.

WHAT IS THE 'COST OF LIVING CRISIS'?

In the UK, media and public discourse have characterised the 'cost of living crisis' (COLC) as the result of substantial energy price rises and soaring inflation. Both are already having devastating implications for the financial security of millions of households and businesses reflected in the greatest drop in living standards since records began 60 years ago.¹ The often cited 'heating or eating' dilemma has become an intractable everyday reality for families at the sharp end of disadvantage;

KEY MESSAGES

- ⇒ Seen through a 'social lens' the UK's cost of living crisis can be understood as a symptom of a much deeper, worldwide disease, the 'crisis of inequality'.
- ⇒ Given that the social, economic and political processes that created the crisis of inequality were not inevitable, doctors can see the resulting impacts on health as a matter of health equity and thus social justice.
- ⇒ Doctors can conceive of their role in attending to social justice as occurring both inside and outside of health systems.
- ⇒ Inside health systems, doctors can change how they conduct clinical encounters, the shape service user pathways and the orientation of research and improvement to deliver more equitable outcomes.
- ⇒ The medical profession needs to be actively involved in promoting social justice. This invites deep professional transformation with an expansion and reimagining of what it means to be a doctor in the 21st century.

research published in May 2022 shows that 2.6million children report having smaller meals and regularly skip meals altogether.²

The UK's so-called 'COLC' is in fact part of a wider social, economic and political emergency: what we are calling a 'crisis of inequality'. The arising differences in health, wealth and power are not simply an imbalance, or result of a passive natural process, but instead are the result of unjust and unfair political and social processes. Health inequalities result from political and social inequities.³ The resultant outlook for children and the society that surrounds them is bleak and will only worsen with time.

The Russian invasion of Ukraine and global supply chain volatility undoubtedly exacerbates economic turmoil, but looking beyond the UK shoreline helps to contextualise the issue. While varying degrees of neoliberal economic policy have been adopted the world over, the British public find themselves in an especially precarious situation owing to the extent of deregulation, market and corporate



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power and ideological stance of recent governments.⁴ Comparable economies are providing greater stability for households, businesses and communities resulting in little change in living standards in keeping with stronger post-2020 economic recovery.^{5,6}

Rising energy bills will still drag many households into extremely difficult circumstances this winter despite the government's intervention on energy price caps, which will see average dual energy bills increase by 96% compared with last winter, not to mention the inequitable impact of a destructive, incoherent and deeply inequitable fiscal agenda. French household energy bill rises on the other hand are capped at just 4%.⁷ This is a far cry from households in the UK which also incidentally boast the least energy efficient homes in Western Europe.⁸

From this vantage point, demands for lower energy prices are important but simply not enough. Rather, a 'causes of the causes' lens recognises that 40 years of neoliberal political ideology and policy have put profit ahead of people, private wealth ahead of state or common ownership and the class interests of a privileged few ahead of those of wider society.⁹ The 'COLC' has been a chronic-lived experience for the poorest long before the media took notice this year. The 'new poor' are being absorbed into the orbit of hardships faced by the 'old poor' and those well accustomed to decades of political dispossession. After all, 4 million children in the UK were already in poverty by 2020—well before the pandemic and Russian invasion of Ukraine.

Focusing on energy bills and price inflation as the drivers of the current crisis is myopic. It turns a blind eye to the converging assault of falling wages, rising rent costs and asset inflation, growing intergenerational wealth inequality, precarious employment, anti-union laws, austerity and cuts to public services, departure from the EU, enclosure of commons and natural resources, and the privatisation and deregulation of a fossil-fuel-reliant energy market.¹⁰ The true 'causes of the causes' of COLC are not overseas conflict and supply chain disruption, but a history of political choices that reflect an ideology based on social, economic, and environmental injustice

and concentration of power and wealth in the hands of a small minority (see [box 1](#)).¹¹⁻¹³

WHAT IS THE IMPACT ON CHILD HEALTH?

In light of alarming increases in poverty and inequality, the UN Special Rapporteur on poverty found the UK government in breach of its human rights obligations to children in 2019.¹⁴ The cost of extreme inequality is paid through the impact on child health across the life course. In the context of the COLC, the poorest households are struggling to afford necessities, which historical evidence tells us results in greater infant mortality, lower birth weights and poorer neurocognitive and social development as well as anxiety, depression and suicide and worse outcomes for those with chronic conditions.¹⁵ Poor health, in turn, impacts the healthcare system. Children from households in areas of greater deprivation are much more likely to attend emergency departments and accrue unplanned hospital admissions. Children experiencing chronic ill health fare worse than those from wealthier backgrounds.¹⁶

The alarm bells are already ringing as increasing numbers of families find themselves in financial hardship. Research from the Childhood Trust reports a catastrophic picture for children's mental health and well-being and a 17% jump in self-harm.¹⁷ Fears of widespread child hunger have sparked calls for universal free school meals as 800 000 children in poverty do not qualify under current benefit regimes.¹⁸

For health workers in emergency departments, wards and surgeries up and down the country, this crisis of inequality has now become an embedded reality of their daily work; asthma exacerbations owing to damp and unsafe housing, increasing hospital admissions due to undernutrition, and inordinate numbers of young people presenting in acute yet preventable mental health crises.¹⁶ Paediatricians are treating the symptoms of social and economic policy that are fundamentally at odds with the interests of their patients.

THE MORAL AND PRACTICAL CONSIDERATIONS FOR PAEDIATRICIANS ADDRESSING INEQUALITY

Ought doctors to be dealing with economic issues? Economies shape health, and the health of patients is, after all, the core concern of the medical profession. The social, economic and political drivers of inequality remain ascendant, and until there is a significant rethink of the current world order, inequality is here to stay. That said, a number of cautions deserve serious consideration here.

First, is the contention that doctors should stick to dealing with the medical aspects of patient care. While undergraduate medical training now increasingly makes reference to the 'social determinants of health', curricula still largely exclude explanations of political economy or critical social science perspectives on health. Moreover, many clinicians may legitimately feel that dealing with

Box 1 Examples of increasing inequality between rich and poor and its impact on children

- ⇒ In the UK, wealth is even more unevenly shared than household income; by 2022 the wealthiest 10% of households held 43% of all the wealth. In contrast, the bottom 50% held only 9% of all wealth.¹¹
- ⇒ The number of people in in-work poverty has increased by 2 million million since 2010. It is now at a record high, as is the number of children in poverty living in a house where at least one adult is in work.¹²
- ⇒ The UK is fifth from bottom among 27 European countries for infant mortality. Since 2010 there has been a rise in infant mortality rates for the poorest children, compared with falling rates for more advantaged infants¹³

social problems is ‘not their job’. If medicine’s boundaries are to be wider, can they be redrawn without medicine becoming a general social service for dealing with all the problems people have?

Second, even if there is a legitimate role for doctors on the determinants of health, such as economic inequality, many clinicians would argue that there is neither the time nor resource in current health systems to do this role justice. After all, health systems around the world are facing cost crises of their own; the repeated assaults of the 2008 financial collapse, austerity programmes and the COVID-19 policy response in the run-up to the current time understandably leads to something of a ‘crisis fatigue’.¹⁹ Working in these conditions is hard and morale in health services across the world is at an all-time low.²⁰

These questions deserve to be—and are being—explored more deeply by the entire profession. In the meantime, we suggest that, regardless of where in the world we are practising, what unites paediatricians globally is that our patients are our first concern.

WHAT DOES IT MEAN TO BE A PAEDIATRICIAN IN A TIME OF CRISIS?

Building on previous work on medical professionalism and health determinants, we propose that paediatricians

approach complex, social problems by applying what is called a ‘social lens’ to their work: thinking outside the confines of their clinical roles to instead see their ethical responsibilities extending beyond the clinician–patient relationship.^{21–23} We suggest this can best be done by thinking of action in two distinct spaces: *inside* and *outside* of health systems. By no means exhaustive, and seen rather as a stimulus for creative thinking, **tables 1 and 2** give a flavour of the kinds of responses that might result from such an approach, focussing here on economic crises.

Addressing inequality from within health systems

Within healthcare settings, growing interest and energy in healthcare is being directed towards initiatives such as screening for social risk factors, social prescribing and on-site provisioning of resources^{24 25} (see **table 1** for more details). Taken together, these practices can be understood as medicine’s most developed answer to social problems. When handled sensitively, the power of these interventions for bridging sociodemographic divides and empowering patients to better manage their own conditions should not be underestimated (**table 2**).²⁶

However, as others have argued, ‘public health problems do not necessarily have effective individual clinical solutions’.²⁷ Attempting to address social problems from the clinic or from a purely individualistic acute

Table 1 Addressing inequality from within health systems

Proposed action	What is it?	How to do it
Screening for social risk factors	The identification of patients who may benefit from greater support in one or more areas, including poverty, food insecurity, violence, unemployment and housing problems.	Do ask, but ask sensitively. A useful resource of validated and adapted tools for this purpose can be found at: https://www.whamproject.co.uk/ As part of this we advocate gathering data through this process to make visible to local policymakers the need for greater support for children and families.
Social prescribing	Referral for non-medical interventions to address the wider determinants of health identified through screening	Referral pathways may not exist; demand them locally; connect and partner with local third sector organisations for more joined-up care
On-Site Provision: (A) In the Clinic	Some healthcare settings now hold basic provisions, including food, clothing and sanitary products, or access to community-based workers for children and families in desperate situations and without recourse to funds.	Examples: fresh fruit in clinics; grab bags for vulnerable children; on-site financial advisers or link workers to facilitate access to benefits and local resources including food banks
(B) In the Emergency Department (ED)	ED attendances can be a ‘cry for help’ and present opportunities to engage a wider range of support and follow-up to meet the needs of vulnerable children.	Examples include Oasis youth violence and harm reduction support.
Refocusing local service provision	How can local research and Quality Improvement (QI) efforts be conducted in ways that matter to both service users and health professionals so as to have the best chance to do good?	Examples: Addressing poverty in clinical practice. Based on the initial work of trainee paediatricians in a London district general hospital to develop clinical surveillance tools and advice for the emergency department, there is now a growing network of clinicians using QI methodology to tackle inequality within health systems. For more, see: https://www.whamproject.co.uk/ and https://qicentral.rcpch.ac.uk/whamportal/
	Whole-system change	Children and Young People’s Health Partnership is an integrated model of primary, secondary and community care that improves outcomes for children with the greatest need by meeting children and families where they are.

Table 2 Addressing inequality from outside the health system

Profession building	
Lobby medical institutions	The Royal College of Paediatrics and Child Health is set up as a membership organisation with members' interests at the forefront. We are entitled to ask what is being done about addressing the gaping holes in our training in relation to health inequality, and what action the College is taking to safeguard our ability as clinicians to meaningfully deal with these issues as clinicians, researchers and advocates.
Self-organise	Based on the idea that we can all come up with new ways of practising, whether it is how we conduct consultations, deciding who our pathways reach, or the kinds of questions we focus on in research, the Well-being and Health Action Movement (https://www.whamproject.co.uk/) arose to fill a perceived gap for paediatricians who care about health inequality. But so much more is needed and so much more is possible. We urge creativity and innovation at the margins here. Don't wait for those in power to show the way.
Society building	
Raising the alarm by:	
Protest	Health workers have a responsibility to engage in all kinds of non-violent social protest. Examples include marching in protest over NHS privatisation, the health impacts of economic inequality and the climate crisis.
Shining the media spotlight	Media shapes public discourse, with the potential to highlight issues in ways conducive to political and social change. Health workers can bear witness, inform debate and speak out on injustice on behalf of children and communities.
Engaging with civil society	Health workers and their representative institutions have powerful advocacy voices which can be harnessed to demand better from civic and political institutions and build pressure for more equitable policy for children and young people.
Supporting social justice through:	
Solidarity and Allyship	Health workers can engage the third sector by linking child poverty and ill health with broader social movements, requiring us to deconstruct siloes, work collaboratively across sectors and build meaningful solidarity. Some examples of organisations to get involved with: <ul style="list-style-type: none"> ▶ Local: Home-Start, Children North East, Everyone's Children Glasgow ▶ National: End Child Poverty Coalition, CPAG, Trussell Trust, The Childhood Trust, The Children's Society, Action for Children, Child of the North, Save the Children, UNICEF UK, APPG Poverty ▶ International: ISSOP, International Paediatrics Association, UNICEF, Medact, Save the Children, MSF, Joseph Rowntree Foundation, Lancet Migration, CHIFA, Doctors of the World.
Lobbying and Legal Frameworks	Health workers advocated for the introduction of child labour laws. Today's child health professionals have provided oral testimony and submitted evidence to parliamentary groups concerning the accountability frameworks surrounding child poverty and health.
Industrial Action and Collective Organising	Health workers helped support cleaners, porters and domestic staff at Barts Health NHS trust win their struggle for pay and conditions and were brought back into NHS employment in March 2022
Political Education: (A) For Health Workers	Health workers at Medact have produced resources for political education for fellow workers concerning economic determinants of health. They cover liveable incomes, secure housing and tax justice as topics essential for a just economy and better child health
(B) For The Public	Health workers have provided political education on health justice at national political events, engaging the public in a radical re-imagining of health, through abolishing systems of violence and oppression, using health as a means of building collective power.
Voting: (A) By the Profession	What we do in the voting booth counts. We ought to choose candidates who hold policies that will support child public health and ideals for social justice at the centre of their work.
(B) By Young People	We can also help young people to use their voice, supporting them to vote by helping to lower voting age to 16 in England, and defend their political rights.
NHS, National Health Service.	

perspective treats the symptoms but not the underlying cause; these are sticking plaster tools for emergency situations. For more far-reaching and transformational outcomes for child health, a more systemic, connected and preventive approach is required.

In the longer term, clinicians have the duty and power to help shape clinical services to better deal with and mitigate the effects of social inequality. At the level of local service provision, a social lens encourages the removal of barriers to care, greater respect for the autonomy of patients, and the development of more collaborative ways of working for child health professionals. Indeed,

children and young people's services in the UK are increasingly seeing the introduction of new models of care designed to embody these more socially conscious values, and often it has been the efforts of ordinary clinicians using tools such as research and quality improvement to conscientiously address the issues that matter most to them.²⁸

Addressing inequality from outside the health system

Embedded social challenges such as inequality and the COLC will not be solved by the health system alone. Instead, what is required is for society to reorganise itself

in ways that genuinely allow people to live happy, healthy lives and that ultimately requires addressing the political and social determinants of health through political and societal change. We suggest that medical professionals have a responsibility to support these efforts in two ways: through ‘*profession building*’ and ‘*society building*’, respectively (table 2).

Profession building

We must first set our own house in order before we can put the world to rights.

A social lens also helps health professionals to understand themselves as social beings and the effects their own work environments have on their ability to do their jobs and function as healthy persons. Thus, as well as reconfiguring services to benefit patients in a direct way, reconfiguration could be partly aimed at producing a more humane working environment, which thereby better serves patients.

It is our responsibility to demand better to support professional aspirations to truly act in the best and collective interests of our patients. We discuss two particular aspects of this in more detail now.

Training

Many paediatricians experience frustration and helplessness in the face of social problems such as the COLC, reporting that their training has ill equipped them for the world their patients must survive. Despite a year-on-year increase in the incidence of poverty-related disease in UK child health,²⁹ paediatric training fails to provide clinicians with the specialist skills needed to recognise the signs and symptoms related to deprivation.³⁰ In addition, a failure to acknowledge the importance of—not to mention provide rigorous structural analysis of—the social determinants of health leads to obvious and glaring gaps in both undergraduate curricula and postgraduate training. As a result, the paediatric workforce must look outside of well-worn paths if they want to make up for the public health, policy or economic understanding that is required.

In the UK, the Royal College of Paediatrics and Child Health (RCPCH) is the normative and standard-setting body for paediatricians. ‘Progress Plus’ is the most recent instantiation of the curriculum that all paediatricians in the UK (and elsewhere in the world) are expected to meet by the end of their training. While we welcome the increased reference to ‘public health’ competencies, it is noteworthy that the accompanying curricular guidance document, ‘*Paediatrician of the future: Delivering really good training*’, fails to mention the idea of ‘advocacy’ for paediatricians even once in all of its fifty pages, and the term ‘social determinants’ only twice.³¹ This is striking given the now explicit emphasis of ‘population health management for clinicians’ in the National Health Service (NHS) Long term Plan.³² In some senses, what we see in paediatrics merely reflects the long-standing, and admittedly even more pronounced, blindness of the entire

modern medical profession in relation to wider conceptions of health and thus the role of doctors in society. To its credit, the RCPCH finally responded to calls for more with a statement acknowledging the role of paediatricians in addressing inequality in late 2022.³³

Education is a political act; by eliding politics, doctors’ training is denuded of meaning.³⁴ The result for ordinary paediatricians who wish to pursue professional commitments to help patients who are suffering under social emergencies such as COLC is that they have little to go on. Holmes *et al.* argue that such a blind spot means that medical care ignores social forces, resulting in ‘misdiagnosis, mistreatment and harm’.³⁵

Working conditions and culture

Professionalism is much more than narrow competencies and a checklist of skills. It is also an ethical and political orientation about how the job is done and how one views one’s role in society, as well as the supporting conditions in which to enact it.³⁶ In the current climate, even if there were better institutional guidance about addressing social problems such as COLC and inequality, paediatricians face other significant obstacles. Rota gaps, heavy workloads, and a culture of training that offer little flexibility or creativity all serve to raise the barrier to entry for clinicians engaging in anything beyond their skeleton job descriptions.

What are we doing as a profession to give ourselves the space to make a meaningful difference in children’s lives? Medical institutions, including the RCPCH, have in general, not done enough to challenge the policies of cuts, closure and commodification that have made working conditions in the NHS increasingly constrained and pressured in recent decades. If we are to be able to act on behalf of our patients, we must challenge the limits of our workplaces, and argue for the time and space to be able to do so safely and effectively.

But the onus also falls on us as ordinary clinicians. Neoliberalism has not only created an unequal world through economic policy but has also reinforced a popular culture in which collective action, agency and empowerment are minimised in favour of a rhetoric of individual responsibility and self-interest.³⁷ We argue that paediatricians must fight against this mentality—even in the face of burnout and resource constraint—if we are to fully realise the potential of our role as advocates.

How can we make addressing the social determinants of health easier for ordinary clinicians? What can we do to create the spaces for mobilising and organising outside of the formal setting? If we, as a profession, want to move beyond rhetoric and platitude towards action, then we must take the responsibility for developing the tools and approaches we need ourselves.

Society building

How can paediatricians aid in the process of building a society fit for children and young people to thrive? As individual clinicians, it is easy to feel overwhelmed and



insignificant, but for our patients, nothing could be further from the truth. As argued elsewhere, ‘Doctors carry significant social and cultural capital; our messages are listened to’.²² Paediatricians are uniquely positioned to function as public advocates for child health. Public trust in doctors is very high; to the public, doctors are a credible source of information.³⁸ Given their social standing, doctors enjoy an unusual degree of access to policymakers, local and national leaders, and citizens; thus, they possess a great deal of leverage in influencing public processes and priorities. Never underestimate the power of clinicians to help shape public discourse around an issue; their voices count and now is a critical time to use them. **Table 2** draws on examples from around the world to help illustrate how doctors can be part of, and moreover help to accelerate, change.

CONCLUSION

The UK’s COLC pushes millions more families into poverty, further stripping their lives of dignity and the capabilities to grow and live healthily. While the job of addressing economic crises such as COLC ought not to be left solely to health workers, the paediatric profession must act. For even though policies have been introduced to address the high cost of energy bills, what is needed is a deeper, wholesale change in how the economy and society is organised.

While much has been written about how paediatricians might engage with the determinants of health, we propose that addressing economic crises such as COLC calls for a different approach.

We propose that applying a ‘social lens’ will help to realign paediatric professional roles and our purpose so that they are directed towards addressing both the true ‘causes of the causes’—as well as the effects—of the social, economic, political and environmental determinants of health. This is essential if we are to challenge an economic and professional paradigm that encourages reformist tinkering at the edges over something more transformational.²⁸

A willingness on the part of the paediatric profession to completely question and re-envision their collective professional roles to help address the great challenges of our time—both inside and outside of the health system—is urgent and necessary. It is time to ask for more: changes to medical education and training to empower practising paediatricians to meaningfully engage in economic justice; an overhaul of outdated workforce plans which only perpetuate inequalities through disparities in structured and protected opportunities to tackle inequality in policy and clinical settings; and a cultural shift wherein advocacy is seen as something which occurs on both a collective and population level as well as just between the doctor and the patient. Ultimately, inequality is everyone’s responsibility.

This is a big task and one that needs the whole profession to mobilise and come together. The COLC, and

inequality more generally, presents an opportunity to proactively reshape professionalism to better suit 21st century needs of our patients. If not now, when?

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REFERENCES

- Walker B. The new statesman, UK households face worst fall in living standards for 60 years, 2022. Available: <https://www.newstatesman.com/chart-of-the-day/2022/08/uk-households-fall-living-standards>
- Butler P. The Guardian UK, More than 2m adults in UK cannot afford to eat every day, survey finds, 2022. Available: <https://www.theguardian.com/society/2022/may/09/more-than-2m-adults-in-uk-cannot-afford-to-eat-every-day-survey-finds>
- Navarro V. What we mean by social determinants of health. *Int J Health Serv* 2009;39:423–41.
- Garnham LM. Public health implications of 4 decades of neoliberal policy: a qualitative case study from post-industrial West central Scotland. *J Public Health* 2017;39:668–677.
- Corlett A, Odamtten F, Try L. *The living standards audit, resolution Foundation, London, 2022.*
- Swindells K. The new statesman, UK set for the slowest economic growth in the next year, 2022. Available: <https://www.newstatesman.com/chart-of-the-day/2022/07/uk-set-slowest-economic-growth-g7>
- Novara Media, energy bills are rising everywhere, but in the UK price rises are far higher than the EU [image on internet], 2022. Available: <https://twitter.com/novaramedia/status/1557035304690896898>
- Ari A, Arregui N, Black S. Surging energy prices in Europe in the aftermath of the war: how to support the vulnerable and speed up the transition away from fossil fuels, IMF working paper. *Washington DC* 2022.
- Meadway J. Tribune Magazine, How neoliberalism led to the cost of living crisis; April 2022 [cited August 2022] available from: Available: <https://tribunemag.co.uk/2022/04/cost-of-living-crisis-war-on-wages>
- Hall D. The Guardian UK, There’s no chance of cutting bills while the private sector runs the UK energy market, 2022. Available: <https://www.theguardian.com/commentisfree/2022/may/18/bills-private-sector-uk-energy-market-france>
- Office for national statistics, household total wealth in Great Britain: April 2018 to March 2020, 2022. Available: <https://www.ons.gov.uk/peoplepopulationandcommunity/personalandhouseholdfinances/incomeandwealth/bulletins/totalwealthingreatbritain/april2018tomarch2020#:~:text=The%20wealthiest%2010%25%20of%20households,of%20C2%A315%2C400%20or%20less>
- Trades Union Congress, only good, well-paid work is a route out of poverty, 2022. Available: <https://www.tuc.org.uk/blogs/only-good-well-paid-work-route-out-poverty#:~:text=The%20number%20of%20people%20in,one%20adult%20is%20in%20work>
- RCPCH. Briefing: Westminster Hall debate - Office for Health Improvement and Disparities and health inequalities, 2022. Available: <https://www.rcpch.ac.uk/sites/default/files/2022-03/RCPCH%20Briefing%20-%20Office%20for%20Health%20Improvement%20and%20Disparities%20and%20health%20inequalities.pdf>

- 14 Alston P, Riddell R, Khawaja B. "Poverty in the UK is violating human rights. What's next?", Oxford Human Rights Hub Blog, 2019. Available: <https://ohrh.law.ox.ac.uk/poverty-in-the-uk-is-violating-human-rights-whats-next/>
- 15 Rajmil L, Taylor-Robinson D, Gunnlaugsson G, *et al*. Trends in social determinants of child health and perinatal outcomes in European countries 2005-2015 by level of austerity imposed by governments: a repeat cross-sectional analysis of routinely available data. *BMJ Open* 2018;8:e022932.
- 16 Singh G, Zhu H, Cheung CR. Public health for paediatricians: Fifteen-minute consultation on addressing child poverty in clinical practice. *Arch Dis Child Educ Pract Ed* 2021;106:326-32.
- 17 Ambrose T. The guardian UK, children stressed and self-harming over UK cost of living crisis, 2022. Available: <https://www.theguardian.com/society/2022/jun/18/children-stressed-and-self-harming-uk-cost-of-living-crisis-childhood-trust>
- 18 Fazacerly A. The guardian UK, fears of widespread child hunger spark calls for universal free school meals in UK, 2022. Available: <https://www.theguardian.com/business/2022/aug/28/widespread-child-hunger-cost-of-living-crisis-free-meals>
- 19 American Medical Association. AMA COVID-19 daily video update: crisis fatigue and other factors contributing to physician stress, 2020. Available: <https://www.ama-assn.org/practice-management/physician-health/ama-covid-19-daily-video-update-crisis-fatigue-and-other>
- 20 Owens J, Singh G, Cribb A. Austerity and professionalism: being a good healthcare professional in bad conditions. *Health Care Anal* 2019;27:157-70.
- 21 Singh G, Owens J, Cribb A. Practising 'social paediatrics': what do the social determinants of child health mean for professionalism and practice? *Paediatr Child Health* 2018;28:107-13.
- 22 Singh G. 'Rules for radicals': a subversive's guide to putting social paediatrics into practice. *Paediatr Child Health* 2022;32:101-9.
- 23 Singh G, Xue S, Poukhovski-Sheremetyev F. Climate emergency, young people and mental health: time for justice and health professional action. *BMJ Paediatr Open* 2022;6:e001375.
- 24 Andermann A. Screening for social determinants of health in clinical care: moving from the margins to the mainstream. *Public Health Rev* 2018;39:19.
- 25 Drinkwater C, Wildman J, Moffatt S. Social prescribing. *BMJ* 2019;28:1285.
- 26 Singh G, Damarell A. Co-producing a social determinants of health questionnaire for an urban population in community child health. *Arch Dis Child Educ Pract Ed* 2022;107:217-22.
- 27 Silverstein M, Hsu HE, Bell A. Addressing social determinants to improve population health: the balance between clinical care and public health. *JAMA* 2019;322:2379-80.
- 28 Singh G, Cribb A. Aligning quality improvement with better child health for the 21st century. *Arch Dis Child Educ Pract Ed* 2021;106:370-7.
- 29 Pickett KE, Vafai Y, Mathai M, *et al*. The social determinants of child health and inequalities in child health. *Paediatr Child Health* 2022;32:88-94.
- 30 Singh G, Zhu H, Cheung CR. Public health for paediatricians: Fifteen-minute consultation on addressing child poverty in clinical practice. *Arch Dis Child Educ Pract Ed* 2021;106:326-332.
- 31 RCPCH. Paediatrician of the future: delivering really good training, 2020. Available: <https://www.rcpch.ac.uk/sites/default/files/2021-03/rcpch-paediatrician-of-the-future-delivering-really-good-training.pdf>
- 32 Alderwick H, Dixon J. The NHS long term plan. *BMJ* 2019;364:l84.
- 33 Lee AR, Kingdon CC, Davie M, *et al*. Child poverty and health inequalities in the UK: a guide for paediatricians. *Arch Dis Child* 2022. doi:10.1136/archdischild-2021-323671. [Epub ahead of print: 09 Jun 2022].
- 34 Freire P. Pedagogy of the oppressed. In: *Toward a sociology of education*. Routledge, 2020: 374-86.
- 35 Holmes SM, Hansen H, Jenks A, *et al*. Misdiagnosis, Mistreatment, and Harm - When Medical Care Ignores Social Forces. *N Engl J Med* 2020;382:1083-6.
- 36 Cribb A, Gewirtz S. Professionalism - Key Themes in Health and Social Care. *Polity Press* 2015.
- 37 Scott-Samuel A, Smith KE. Fantasy paradigms of health inequalities: utopian thinking? *Soc Theory Health* 2015;13:418-36.
- 38 Leonard MB, Pursley DM, Robinson LA, *et al*. The importance of trustworthiness: lessons from the COVID-19 pandemic. *Pediatr Res* 2022;91:482-5.