

## POLICY Transforming health systems to reduce health inequalities

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### ABSTRACT

Never before in history have we had the data to track such a rapid increase in inequalities. With changes imminent in healthcare and public health organisational landscape in England and health inequalities high on the policy agenda, we have an opportunity to redouble efforts to reduce inequalities.

In this article, we argue that health inequalities need re-framing to encompass the breadth of disadvantage and difference between healthcare and health outcome inequalities. Second, there needs to be a focus on long-term organisational change to ensure equity is considered in all decisions. Third, actions need to prioritise the fundamental redistribution of resources, funding, workforce, services and power.

Reducing inequalities can involve unpopular and difficult decisions. Physicians have a particular role in society and can support evidenced-based change across practice and the system at large. If we do not act now, then when?

**KEYWORDS:** health inequalities, equity, health systems, healthcare organisations

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### Introduction

For the first time in history we have the empirical data to witness a rapid compounding of existing inequalities due to the COVID-19 pandemic, particularly for lower socio-economic and minority ethnic groups.<sup>1,2</sup> In the UK, deaths in the most deprived areas are double those in the least deprived (age–sex standardised rate in the least deprived areas are 350 deaths per 100,000 compared with 669 in the most).<sup>3</sup> In the USA and UK, deaths are up to

three times higher in minority ethnic groups.<sup>4</sup> The current crisis represents a syndemic pandemic; the intertwined, interactive and cumulative effects on health and wellbeing of the COVID-19 pandemic combined with substantial existing socio-economic inequalities across life courses and in communities.<sup>2</sup>

Despite the policy prominence and various frameworks focusing on health inequalities, healthcare leaders still do not feel they have the skills and knowledge to reduce health inequalities.<sup>5–9</sup> The underlying reasons for this may include a failure of researchers to provide accessible evidence on how to translate evidence into practice as well as a lack of a systematic and logical approach to inequalities for healthcare systems.<sup>10–12</sup> Physicians have a particular role in society and can support evidence-based change across practice and the system at large. Here, we first discuss the current policy and research context, then argue it is time for a re-framing of inequalities within healthcare systems, with a concerted effort to build a long-term organisational change to tackle inequalities head on, along with a wider redistribution of resources, funding, workforce, services and power across healthcare and wider society.

### Policy, research and legislative context of health systems in the UK

In England, for the first time, key national and local NHS decision-making bodies were required by law to address inequalities in access and outcomes under the Health and Social Care Act 2012.<sup>13</sup> This was the result of a growing body of literature showing sustained stark health *outcome* inequalities, dating back to the Black report, with inequalities in waiting times, patient experience and hospital admissions.<sup>14–17</sup> The Health and Social Care Act also shifted power from ministerial departments to NHS England with a decentralisation of decision making to local health systems. Despite the statutory responsibility, the years after the enactment of the Health and Social Care Act were dominated by reorganisation with considerable fragmentation of previously aligned services. Reforms were undertaken in the name of efficiency with poor evidence of their impact, rising costs to the health system and little progress on health inequalities, despite the clear negative health and wellbeing impacts of austerity and welfare reform.<sup>18,19</sup> Public health professionals classified the risk of this reorganisation to widen health inequalities as ‘extreme’.<sup>20</sup>

In 2019, the NHS in England was asked to develop its own plans for a £20 billion funding injection. High-level policy objectives

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and initiatives were outlined in *The NHS Long Term Plan* and, in turn, local healthcare systems were asked to develop their own local response plans.<sup>21</sup> Health inequalities were a prominent feature of the national *The NHS Long Term Plan* among other priorities, such as primary care workforce, integration, prevention, cardiovascular disease and cancer. The plan set out to establish a 'more concerted and systematic approach to reducing health inequalities' alongside a number of specific inequalities initiatives such as supporting minority ethnic groups. However, the plan and its subsequent supporting documents failed to outline how local and national systems could systematically approach health inequalities with an expectation that local healthcare systems would each develop their own approaches. Our own previous research has highlighted that this is challenging for local systems, resulting in local plans being vague and lacking a systematic or joined-up approach.<sup>12</sup> Furthermore, the lack of a national health inequalities strategy (like that successfully pursued between 2000 and 2010) makes it harder to effect change across local health systems.<sup>22,23</sup>

In response to COVID-19 inequalities data, NHS England and NHS Improvement (NHSE/I) published eight urgent actions to address health inequalities, including directives protecting the most vulnerable, improving recording, strengthening leadership and increasing preventative measures.<sup>24</sup>

The structure of the NHS has moved substantially from its inception, through many re-organisations and, lately, the statutory bodies established under the Health and Social Care Act 2012. More recently, integrated care systems have been established, which are likely to merge with clinical commissioning groups.<sup>25</sup> It is likely that further health and social care legislation, under the advice of NHSE/I, will be passed in the near future to catch up with the organisational evolution.<sup>26</sup>

Only 7 years after its formation, Public Health England (PHE) is already being disestablished. PHE was set up to protect and improve the nation's health and reduce health inequalities.<sup>27</sup> One action of the Health and Social Care Act was the extraction of public health skills from leadership roles within the NHS, something that was an obvious gap immediately after revealing a lack of understanding of the key role of public health leadership and skills in health and social care systems. This has become critical during the COVID-19 pandemic, as more public health leadership in the health and social care system may have improved the response.

Health inequalities have been a common thread across PHE activities. While trying work across organisational boundaries, these have included the provision of data on health inequalities, guidance, evidence-based tools for local health systems, advice to national government and focused action on inequalities in screening and immunisations.<sup>5,28-31</sup> PHE have particularly promoted a place-based approach to inequalities.<sup>5</sup> Under current plans PHE's health protection functions will be taken over by the National Institute for Health Protection, but the future location of the other PHE functions is still under discussion.

The research community has been driving forward the 'inequalities' agenda. The Academy of Medical Sciences published their report *Improving the health of the public by 2040* promoting a health of the public research approach with a strong emphasis on health equity.<sup>32</sup> In response to this, the Strategic Coordination of the Health of the Public Research committee (SCHOPR) was established and has set out its guiding principles on population research, including a priority of focused investigation into how

interdisciplinary research can reduce inequalities.<sup>33</sup> Furthermore, the Academy of Medical Sciences has recently written to the secretary of state outlining the need to prioritise prevention and improvement to reduce inequalities.<sup>34</sup>

More recently, the Royal College of Physicians have convened a coalition of over 140 organisations to campaign for a cross-government strategy to reduce inequalities, the commencement of the socio-economic duty in the Equality Act and prioritising child health in public policy.<sup>35</sup>

With the healthcare and public health reform afoot, inequalities highlighted due to the pandemic are thus high on the policy agenda, and a mobilised research community, it is time to rethink our approach to inequalities within and beyond the healthcare system. Without clarity, sufficient prioritisation and leadership any actions are at risk of only ever having a marginal impact.

### Framing inequalities to ensure a systematic and logical approach in health systems

Framing is a way of structuring or presenting a problem and can be helpful, potentially vitally so, to ensuring action.<sup>36</sup> How we discuss and present inequalities must be developed with and for any audience it is hoped might contribute to effective changes; for example, NHS staff are more likely to engage if inequalities are framed around healthcare and the specific services for which they are responsible, such as inequalities in chronic disease management or non-elective admissions alongside concrete actions, rather than high-level more abstract health outcome inequalities, such as differences in life expectancy.<sup>37</sup> A lack of adequate framing brings risks. Focusing only on high level inequalities with healthcare staff, such as life expectancy, may lead to a sense of fatalism because these inequalities are primarily driven by geo-political factors outwith the influence of local health systems and their leaders; or a belief that downstream individual actions targeted at the social determinants of health will reduce inequalities.<sup>38-40</sup> In turn, these may lead to a health inequalities fatigue where motivation for action on inequalities wains due to short-termism and a perceived lack of progress.

A broad framing of inequalities highlighting how multiple different aspects of disadvantage lead to substantial differences in healthcare and health outcomes is needed to allow decision-makers to develop their own systematic and logical approach to doing what is within their power and advocacy to reduce inequalities. Without this systematic approach, there is a risk of an unequal focus on certain groups at the expense of others, such as focusing on the so-called 'deserving poor' at the expense of the 'undeserving poor'.<sup>41</sup> Our review of local NHS plans revealed that systems focused more on people with learning difficulties and autism, but less so on undocumented migrants, people who are transgender or those with justice service involvement.<sup>12</sup> This creates inequalities within inequalities.

Inequalities must be framed and measured to include both healthcare (eg risk factor management, access, diagnosis, treatment and experience) and health outcome (eg morbidity and mortality) inequalities (Fig 1). Key components across the spectrum of health and care include the distribution of health system resources (namely funding, workforce and research distribution, and training), access to and quality of healthcare, major drivers of mortality and morbidity (eg cardiovascular disease, respiratory disease, cancer, mental health and musculoskeletal conditions) and

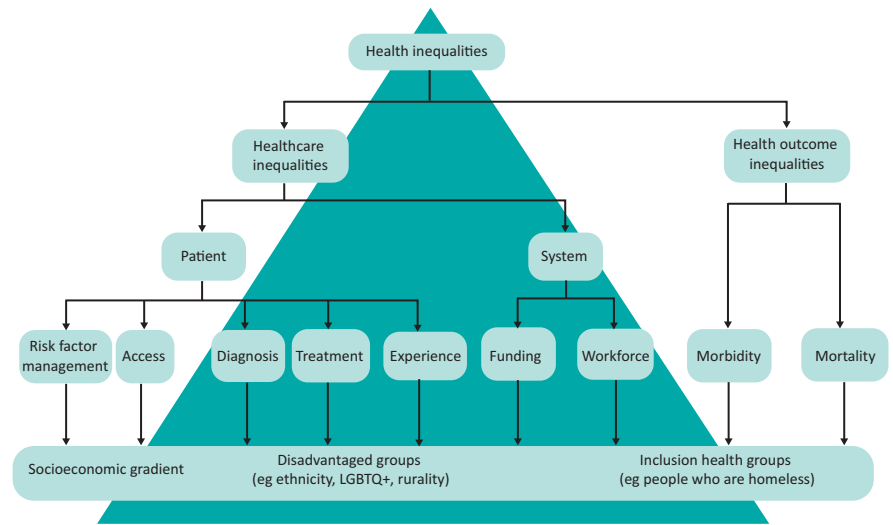


Fig 1. Unpacking health inequalities.

conditions which are intrinsically associated with inequalities (such as drug and alcohol abuse).

Framing should avoid language which is stigmatising or shaming. Smith and colleagues describe a paradox where people recognise that health is determined by social factors and acknowledged socio-economic inequalities in society, but are reluctant to acknowledge the resulting health inequalities.<sup>42</sup> The authors suggest this paradox arises because individuals do not want the place in which they live to be stigmatised, shamed, or have negative or derogatory connotations, which may have negative impacts on their employment opportunities or family.<sup>43</sup> Other studies have found that the idea of socio-economic health inequalities can be a source of stress for residents.<sup>44,45</sup>

### Building the long-term organisational change

Many health inequalities have arisen over decades and even centuries, operating across generations and communities, due to long-standing imbalances in the social determinants of health. It is noteworthy that the north-south pattern of deaths from the Spanish flu pandemic of 1918, almost exactly mirrors the distributions of COVID-19 deaths over a century later.<sup>46</sup> New manifestations of inequalities emerge over time, often with the promise of solutions and enthusiasms from new technologies. Previously this was the offer of screening, known to be taken up preferentially by more advantaged in society, and more recently in access to digital healthcare services with clear differential access.<sup>47</sup> In light of the plethora of existing and emerging inequalities, many feel a moral duty to ‘do something’, including investments in actions that lack a strong evidence base or sustainability (such as social prescribing or hospitals acting as anchor institutions).<sup>48</sup> It is important, therefore, for the NHS to resist the temptation to reach for such short-term actions at the expense of focusing on the long-term organisational change required for sustained and evidenced-based action. With the formation of integrated care systems in the NHS in England we have the opportunity to ensure an equity perspective is adopted from the start, maximising the opportunities of integrated working across health and social care. However, we need

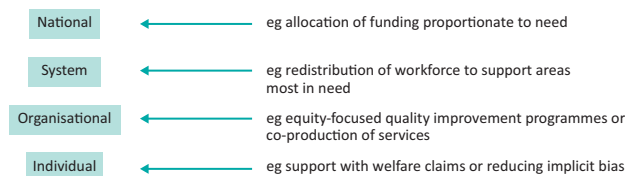


Fig 2. Levels of health inequalities actions.

inequalities actions at all levels of healthcare, including national, system, organisational and individual (Fig 2).

Much health data, particularly within hospitals, is not presented by socio-economic group, geographical disadvantage or ethnicity. The NHS eight urgent actions to address inequalities aims to improve ethnicity recording.<sup>24</sup> More upskilling is needed to help healthcare analysts undertake equity analyses to explore the difference between groups, adjusting for age and gender where appropriate. Equity perspectives are still rarely considered in healthcare quality improvement programmes, clinical audits, service evaluation or adverse events investigation; for example, hospital-based quality improvement programmes should consider if the services changes improve quality of care across socio-economic groups and ethnicity equally. Adverse event investigations should include an exploration how healthcare supported (or not) patients who are disadvantaged, for example due to poor health literacy or social support, interacted with services.

Previous research suggests that equity-focused processes can support healthcare organisations, their teams and individuals within these to address inequalities.<sup>49</sup> Health inequalities impact assessment is a process of exploring and mitigating the impacts of decisions on inequalities during decision making. Sadare and colleagues found that health inequalities impact assessment, if undertaken a meaningful way, can be a catalyst for equity-focused organisational change.<sup>49</sup> These could be used by clinical directors and hospital leaders to ensure that secondary care services do not increase inequalities.

Applied research has an vital role to play in exploring the distributional effects of interventions across disadvantaged groups

and generating evidence of what works to reduce inequalities.<sup>50,51</sup> The evidence produced by current research poorly represents those who are most disadvantaged. The SCHOPR principles call for co-produced, transdisciplinary research to create and deliver targeted national and local solutions to reduce inequalities.<sup>33</sup> More research is needed to develop and understand the implementation of evidence-based solutions drawing upon disciplines such as geography, anthropology, sociology, economics and history. Research capacity and skills must be embedded in the organisations which emerge from the latest restructure to help them become learning systems.

### Redistributing resources and power to prevent illness and promote health

Inequalities are caused by the unequal distribution of social determinants of health, public and private investment, public sector workforce, services and power (the ability of one section of society to control another).<sup>52</sup> Without a fundamental change to how society can organise itself to address these, inequalities in health outcomes will persist. However, even within the way we organise ourselves currently and contrary to the sense that nothing can be done, there is evidence that the NHS can reduce inequalities. One example is an analysis of the increase of NHS resources to more deprived areas between 2001 and 2011, revealing a reduction in inequalities from causes amenable to healthcare.<sup>53</sup> This complements the principle of proportionate universalism, which states services should be accessible to all, but the intensity of the service should be proportionate to need with the most disadvantaged receiving more resources (Fig 3).<sup>14</sup> While existing national NHS allocation formulae are weighted for deprivation, evidence suggests they do not go far enough; and, in England, the weighting was reduced after the 2011 Act.<sup>54</sup>

Beyond specific healthcare system evidence, there is also good evidence that cross government action can reduce inequalities.<sup>22,23</sup> Over the last couple of decades, there has been a natural experiment at a national scale. The UK government implemented a cross-government health inequalities programme and strategy from 2000 to 2010. Prior to the start of the programme, the difference in life expectancy between the most deprived areas and the rest of England was increasing by 0.57 months per year for males and 0.30 months per year for females.<sup>22</sup> The strategy reversed these trends with the gap

in life expectancy reducing by 0.91 months per year for men and 0.50 months per year for women. Inequalities in the infant mortality rate (IMR) also decreased.<sup>23</sup> However, since the end of the strategy and the implementation of austerity, the inequality gap widened again by a similar amount as before and there is now evidence of increasing inequalities in IMR associated with rising rates of child poverty.<sup>23</sup> Key to the programme was a redistribution of funding, services and power to poorer areas, with regeneration initiatives, Sure Start centres to support early years childcare, increased NHS funding allocations, introduction of national minimum wage, more generous tax and benefit changes targeted at child poverty and targeted services in the most deprived local authorities. Unfortunately, detailed independent evaluation was not embedded or undertaken, and therefore the specific factors, either individually or collectively, which contributed to the observed narrowing inequalities gap remain unknown.

The importance of prevention and health promotion has been highlighted in several key documents.<sup>24,34</sup> The irony is that the under the Health and Social Care Act, public health was taken out of the NHS, but the current *The NHS Long Term Plan* prioritises prevention. Greater clarity is needed to ensure that the manner in which this emphasis is implemented does not unintentionally widen the gap.<sup>55,56</sup> For example, those with the resources and capabilities to benefit from an untargeted physical activity campaign have been and already are the more affluent groups with financial resources, health literacy and employment flexibility. This is also replicated within our research programmes and recruitment, which in many clinical research spheres do not represent diverse and disadvantaged communities. Policy makers should avoid the temptation to think that unhealthy lifestyles in people living in poorer areas arise because of a lack of knowledge or motivation and that the solution is information campaigns.<sup>52,57</sup> Decades of research reaching has demonstrated again and again that people, whether from poor or rich backgrounds, understand the determinants of health and have logical reasons for unhealthy choices.<sup>57</sup> For example, Graham found that pregnant women on low incomes still found money to buy cigarettes because smoking was the one opportunity in the day to do something for themselves in the context of very challenging life circumstances.<sup>58</sup> More recently, Thirlway found that smoking cessation was shaped by (lack of) social mobility.<sup>59</sup> To prevent illness and promote health we must break down the power hierarchies which suggest that one part of society knows what is best for another and get alongside people to understand why they act the way they do, treating them as experts in their lived experience, co-designing solutions as equal partners and advocating for the wider societal changes needed to address the social and economic context of inequality.<sup>60</sup>

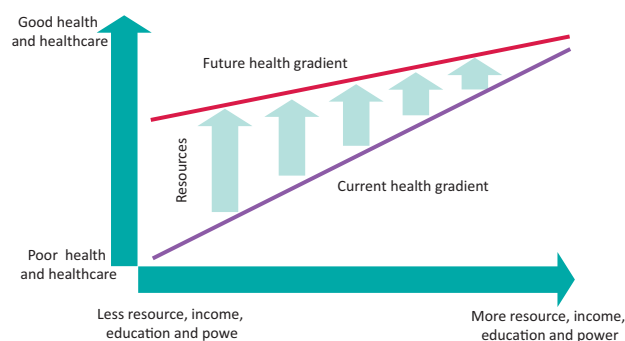


Fig 3. Distributing resources proportionate to need.

### Conclusion

We all have an ethical and moral imperative to respond to the rapid proliferation of existing inequalities. Simultaneously, healthcare and public health organisations are being re-structured in England. We argue that the concept of health inequalities needs to be reframed to acknowledge the breadth of health and care inequalities with non-stigmatising language to ensure a systematic approach to the problem. A focus on building long-term equity-orientated organisational change in the NHS is urgently needed. At the core of any action should be the fundamental redistributions of resources, funding, workforce,

services and power. If we do not act now in light of these stark inequalities, then when? ■

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