From Fringe to Centre-Stage: experiences of mainstreaming health equity in a health research collaboration

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Abstract

Background: Action to address the structural determinants of health inequalities is prioritised in high level initiatives such as the UN Sustainable Development Goals and many national health strategies. Yet, the focus of much local policy and practice is on behaviour change. Research shows that whilst lifestyle approaches can improve population health, at best they fail to reduce health inequalities because they fail to address structural determinants of behaviour and health outcomes. In health research most efforts have been directed at three streams of work: understanding causal pathways; evaluating the equity impact of national policy; and developing and evaluating lifestyle/behavioural approaches to health improvement. As a result, there is a dearth of research on effective interventions to reduce the socio-economic drivers of inequalities in health that can be developed and implemented at a local level.

Objective: To report on an evaluation of the attempt by the Collaboration for Leadership in Applied Health Research and Care North West Coast (CLAHRC-NWC) - a UK based collaboration- to build capacity amongst staff, partner organizations and members of the public for research and action on addressing structural determinants of health inequities.

Methods: The evaluation used multiple qualitative methods including semi-structured interviews, focus groups and workshops (n=131 respondents including Public Advisers, university, NHS and local government partners). Routine data included HIAT feedback forms.

Results: Utilising Normalisation Process Theory (NPT) and Gender Mainstreaming theory the evaluation illuminated: (i) the processes developed by CLAHRC NWC to
integrate ways of thinking and acting to tackle the root causes of health inequities (i.e. to mainstream a health equity focus) and, (ii) the factors that promoted or frustrated these efforts.

Conclusions: Findings highlight the role of processes aimed at developing and implementing a robust strategy for mainstreaming health equity as building blocks for transformative change in applied health research and care.

Introduction

Worldwide, social inequalities in health represent the main cause of lives lost prematurely as well as avoidable disability, suffering and distress. (Barr et al., 2017; Dahl, 2002) Efforts to understand and reduce these inequalities have a long history in the UK (Department of Health, 2003; NIHR, 2018) but the report of the World Health Organisation (WHO) sponsored Commission on the Social Determinants of Health in 2008 triggered a rapid expansion of both research and policy interest around the globe. (European Portal for Action on Health Inequalities, n.d.; WHO, 2018) Most notably, action to reduce social inequalities in health is prioritised in the UN Sustainable Development Goals endorsed by 193 nations in 2015 and in many national health strategies (Strand et al., 2009; Crombie et al., 2005). Whilst these initiatives present promising opportunities to further integrate a focus on social determinants of health inequalities in policy, practice, research and capacity building activities, the primary focus for action continues to be on behaviour change (Bambra et al., 2010; Popay et al. 2019). Research has shown that whilst lifestyle approaches may contribute to population health improvements overall, they are ineffective in reducing health inequalities because the underlying structural causes are unchallenged (Whitehead, 2007). Similary, in health research most efforts has
been directed at three streams of work: understanding causal pathways; evaluating the equity impact of national policy on, for example, welfare benefits or housing; and developing and evaluating lifestyle/behavioural approaches to health improvement. As a result, there is a dearth of research based evidence on effective interventions to reduce the socio-economic drivers of inequalities in health that can be developed and implemented at a local level (Bambra et al., 2010; Marmot, 2017).

The setting for this study is the Collaboration for Leadership in Applied Health Research and Care North West Coast (CLAHRC-NWC), a large English based research and implementation partnership organisation established in 2014. It aimed to contribute to reductions in health inequalities in North-West England, which has some of the worse health in the UK. To do this it sought to embed a focus on reducing health inequalities into all its activities, including evidence synthesis, applied research and implementation, capacity building and knowledge mobilisation: a process that can be understood as mainstreaming.

In this paper we present findings from a qualitative mixed-methods evaluation that examined the extent to which the CLAHRC-NWC succeeded in building capacity for research and action with potential to reduce health inequalities amongst staff, partner organizations and members of the public. We demonstrate the utility of combining frameworks from Normalisation Process Theory (NPT) and Gender Mainstreaming theory to understand: (i) how CLAHRC-NWC influenced the institutionalisation of ways of thinking and acting to tackle the root causes of health inequalities and (ii) what processes and factors promoted or frustrated these efforts.

We begin by describing the function and structure of CLAHRC-NWC, outline existing approaches to mainstreaming and define the concept of “health equity
mainstreaming” before presenting our findings. We conclude by emphasising the need for a robust strategy for mainstreaming a focus on health equity as an important building block for creating transformative change in applied health research, in policy and practice, as well as amongst research funders.

The organisational context

CLAHRC-NWC is one of thirteen CLAHRCs funded by the National Institute for Health Research (NIHR) from 2014–2019. It was organisationally diverse including: three universities, the Innovation Agency NWC, five NHS, nine Local Authorities (LA) and seventeen NHS Acute, Mental Health and Community Trusts. In addition, 170 members of the public were registered as Public Advisers (PA) and involved in all aspects of the programme. CLAHRC’s aimed to support the translation of research findings into practice to improve population health. In common with other CLAHRCs, CLAHRC-NWC shared the commitment to co-production, public involvement and capacity development. However, its distinctive aim was to ensure that everything it did had clear relevance and utility for action to tackle the root causes of health inequitiesinequalities (NIHR CLAHRC-NWC, 2013). The scale of health inequitiesinequalities in the North West of England was a major factor influencing this emphasis (Whitehead et al., 2014; Whitehead and Doran, 2011).

The organisational architecture of CLAHRC-NWC is shown in Fig. 1. The Steering Board (SB) included representatives from the NHS, LAs, University Partners and PA with an independent chair. A subcommittee of the SB reviewed project proposals and made recommendations on funding. The Management Team comprised: Director; Programme Manager; Operations Manager; Director of Engagement; Director of Capacity Development and Theme Leads. There were four thematic
programme and three cross cutting Themes. In addition, an Advisers Forum, open to all members of the public registered as PA, oversaw the public involvement policy and sent representatives to the SB and the CLAHRC management group.

CLAHRC-NWC conducted an internal evaluation to address the question: to what extent and in what ways has CLAHRC-NWC succeeded in building capacity for research and action on reducing health inequalities amongst staff, partners’ organizations and members of the public.

Conceptualising mainstreaming

The Cambridge Dictionary, (n.d.) defines mainstreaming as a “process” whereby something becomes “accepted as normal by most people”. There are two broad approaches to conceptualising this process.

Normalisation Process Theory (May, 2013; May and Finch, 2009) focuses on how new ways of thinking become routinely embedded in design, evaluation and implementation processes and in organisational practices. The emphasis is on the interplay between context and emerging expressions of agency. An enabling context is theorised to have two elements: capacity and potential. Capacity refers to the social, structural, material and cognitive resources available and includes making explicit and systematic the values of the organisation, rules, roles of people involved, practices and perspectives. Potential refers to people’s readiness and commitment to act. In addition to an enabling context, a successful normalisation process requires collective and individual agency to be activated in the form of capability and contribution. Enhanced capability requires resources (including conceptual frameworks) to be “workable” i.e. easily integrated into existing routines and structures. Contribution depends on individuals’ commitment. For individuals to
mobilise resources to make things happen they need to make sense of new knowledge and skills, recognise its legitimacy and benefits. Factors such as number and size of organisations also play an important role in shaping the success of normalisation processes. (Morison and Brown, 2007)

Gender mainstreaming gained worldwide visibility after the Fourth World Conference on Women in 1995. It has emerged as “a strategy for combating gender inequality in the long term” (23,24) endorsed by international agencies such as United Nations Development Programme (UNDP) the European Commission, the Commonwealth Secretariat, the World Bank and the WHO. Like other concepts widely used in policy (e.g. empowerment) the mutability of the term mainstreaming has allowed it to be translated into diverse political contexts and take on a range of divergent meanings (Sen et al., 2007) but according to the original conceptualisation it is:

1. A strategy for action to achieve equity by removing biases and injustices (Woodford-Berger, 2004)
2. A process that aims to transform ways of thinking and acting as well as organisational structures that are equity blind or sustain existing inequalities.
3. A capacity building and assessment approach to integrating equity issues into all the activities funded and/or executed by an organisation (True, 2015)
4. An approach that seeks to diffuse responsibility for integrating an equity perspective beyond specialised units/teams through training, guidelines, checklists - “making it a routine concern of every bureaucratic unit” (Miller and Razavi, 1995: ii) and everybody’s business.

Although there have been attempts to incorporate action to address health inequalities into policies and practices (NHS Health Scotland, 2016; WHO, 2015), including the Scottish Health Inequalities Impact Assessment tool (NHS Health...
Scotland, 2018), we found no existing definition of health equity mainstreaming. For the purpose of the CLAHRC-NWC evaluation, and drawing on gender mainstreaming literature (13-17) we therefore defined health equity mainstreaming as a strategy to influence the implementation, integration and institutionalisation of ways of thinking and acting to tackle the root causes of health inequalities.

Methods

Context

An internal evaluation of CLAHRC NWC was conducted in 2017/2018. It was conducted by teams of academics and Public Advisors (PAs). The evaluation comprised four linked components focused on: the Public Health research (PH) programme involving participatory research in ten neighbourhoods; the Partner Priority Programme’s (PPP) involving evaluative research on new models of care; the Intern programme (IP) providing research training for NHS and local government staff; and an assessment of the extent to which strategic objectives in relation to public and stakeholder involvement, health equity and research capacity building had been achieved.

Data collection and analysis

The evaluation used multiple qualitative methods to collect data, information from internal documents and routine data such as HIAT feedback forms. Data were collected from 131 individuals via: face-to-face interviews (n = 58) and focus group/workshops (n = 73). These included: staff from CLAHRC-NWC’s NHS, local government, university and third sector partners; PAs; and professional interns supported by CLAHRC-NWC. Information sheets and consent forms emphasised that participation was voluntary.
As each component of the evaluation had its own objectives, the interview and focus group topic guides varied in the extent to which they prompted research participants about health inequalities but all collected some qualitative data incorporating themes based on pre-existing theory around mainstreaming and NPT. As the analysis evolved additional themes and codes were added (Gale et al., 2013). Researchers first familiarised themselves with the data by reading the transcripts, noting new themes. The final coding frame was then systematically applied to all transcripts. The coding frame was uploaded to Excel and data was coded into a set of analytical charts. These charts were studied to identify common or divergent perspectives and the main authors discussed potential explanations and interpretations. A PA panel took part in two workshops to discuss data interpretation and preliminary findings. Content analysis of CLAHRC-NWC policies and strategies and feedback forms were also conducted to identify references to health inequalities.

Where quotations are used to illustrate findings, the reference includes: (i) the data collection method with a unique number (int14 = interview n.14; grp = focus group; HIAT feedback form), (ii) respondent’s organisation (Local Authority = LA; NHS; Public Adviser; Academic; Intern); (iii) and the evaluation component (PH = Public Health programme; PPP = Partners Priority Programme; Intern Programme = IP; CC = CLAHRC strategic objectives). On occasions verbatim words or short expressions are inserted within the text and italicised to differentiate them from the authors’ interpretation.

Ethics

Ethical approval for primary data collection was obtained from the university where the lead researchers were based: Lancaster University for research on the Public
Health (PH) programme and CLAHRC-NWC strategic objectives (CC); Liverpool University for research on the Partners Priority Programme (PPP); and University of Central Lancashire for research on the Intern programme.

Results

Adopting a conceptual framework that foregrounds health equity

A major requirement for progress in mainstreaming is the development and adoption of a conceptual framework that foregrounds the issue being addressed, in this case, health equity (Sen et al., 2007: 85). An analysis of CLAHRC-NWC formal documents showed that attempts were made at an early stage to define the concept of health inequalities to be adopted in the organisation. Although the word ‘mainstreaming’ was not explicitly used, there were clear statements about the importance of, and commitment to, embedding a focus on action to reduce health inequalities in all structures, processes and projects.

Key examples of these statements were found in the original funding proposal submitted in 2013, the website and promotional materials. These emphasised the collaboration’s commitment to ‘produce applied health research that contributes to tackling health inequalities through improvements in public health and chronic disease’ (NIHR CLAHRC NWC, 2013: 3). The concern with health inequalities came into focus with the funding proposal’s acknowledgement that the NWC has one ‘of the most striking variations in health and wellbeing in England’ (NIHR CLAHRC NWC, 2013: 6). The proposal went on to argue that health equity would be a cross-cutting issue and a CLAHRC-wide responsibility. It identified theme management as the primary site for monitoring and assessing the impact of activities on inequalities:

Each Theme will have a Theme strategy committee (TSC) chaired by the Theme
leader and comprising Theme managers (...) The TSC will be responsible for (...) assessing the impact of the projects on health inequalities and patients outcomes. (CLAHRC-NWC Full application to NIHR, p. 20)

Despite the prominence of these statements two interlinked factors potentially diluted the message that addressing social inequalities in health was a CLAHRC-wide responsibility. First, the location of the message in the funding proposal may have been problematic. Work on health inequalities was described within the Public Health Theme, potentially suggesting that it was the primary responsibility of this theme. Whilst this positioning was argued to be a response to the emphasis the funder placed on a thematic structure for the programme, it would have been possible to locate health inequalities as a cross-cutting theme. Additionally, whilst health inequalities were mentioned at several other points in the funding proposal, the prominence varied significantly across the descriptions of specific themes.

Second, whilst a policy on public involvement and a strategy for capacity building were produced, there was no explicit strategy or policy on how the focus on reducing health inequalities would be mainstreamed across the CLAHRC-NWC. We will discuss the implications of these factors in the next section.

Initially, CLAHRC-NWC took three important practical steps in pursuit of the health equity objective. First, it appointed senior staff with an international track-record of work on health inequalities, to take responsibility for the mainstreaming agenda from the point the original funding bid was developed. Second, it articulated an explicit definition that recognised that inequalities in health cannot be tackled without fully understanding and addressing the wider structural determinants. This marks a shift from the dominant framings of health inequalities in the health sector as individualised ‘lifestyle-centric’ to recognise how ‘organisation and structural
factors are the cause of social inequalities that affect health outcomes’. (NIHR CLAHRC NWC, 2013: 8) Third, in 2015 CLAHRC-NWC co-produced the Health Inequalities Assessment Toolkit (HIAT) to support researchers and others to assess the extent to which planned activities were sensitive to health inequalities (Porroche-Escudero and Popay, forthcoming).

The HIAT further highlighted CLAHRC-NWC’s emphasis on the upstream socio-economic causes of inequalities. However, seeking to embed a conceptual framing of health inequalities that was sensitive to social inequalities, public involvement and co-production across all CLAHRC-NWC activities and within Partner organisations raised several challenges discussed in the next section.

Developing structures for embedding health inequalities awareness

The literature on Gender Mainstreaming highlights institutional commitment to develop relevant “capacity” as another indicator of progress. Analysis of documents and discussions with research participants revealed that CLAHRC-NWC invested considerable resources in strengthening its infrastructure to support capacity in relation to the mainstreaming of a health equity focus in all its work. For example it:

Invested in specialised staffing to support Partners staff to embed a health equity perspective across all levels of the organisation and its portfolio of research and related activities. Provided routine training and individual bespoke advice to all staff, PhD students and Public Aadvisers. Partnered with professionals from other regional and nation agencies to advance the goal of mainstreaming health equity beyond CLAHRC-NWC. Allocated a dedicated budget for training, dissemination activities and the development of resources such as a website, training materials and accessible HIAT leaflets.

The collaboration also established procedures and processes to report on and monitor progress on embedding a focus on health equity in all activities. For instance, the Steering Board (SB) endorsed mandatory HIAT assessments for all activities seeking funding support from CLAHRC, including interns and PhD students.
In addition, the SB requested that quarterly progress report templates be modified to include a section for reporting on the extent to which a focus on health inequalities had been integrated into activities. This change was a direct response to a request from the HIAT staff for action to increase accountability amongst core and Partners staff, as well as to normalise health inequalities monitoring.

Implementing health inequalities mainstreaming across CLAHRC-NWC activities

For any attempt to mainstream health equity to have far-reaching and lasting consequences on health policy, practice and research it must first create institutional-level changes. Yet, institutional-level change is stubbornly difficult and can take years (Lancet, 2019). Additionally, as CLAHRC-NWC is a partnership, these changes had to impact on multiple diverse organisations. CLAHRC was also operating in a testing socio-economic and political context characterised by severe reductions in public expenditure, which impacted on local government in the NW particularly heavily. (Whitehead et al., 2014) Thus, it is not surprising that CLAHRC-NWC had only a modest impact at this level. Never-the-less the examples of institutional change we identified, described by a university staff member ‘as oases in a desert’ provide a ray of hope for creating an environment for change that is sensitive to health equity.

Five indicators of institutional-level changes relevant to health equity mainstreaming are identified in the literature: health inequalities sensitisation; mainstreaming through toolkits and reporting; achieving better health equity sensitive evaluations; fostering local collaborations that include practitioners and community members to address social inequalities in health; valuing public involvement; and achieving reductions in health inequalities. Not surprisingly, given the short timeframe of CLAHRC-NWC and the difficulties involved, we did not expect
to find examples of an impact of mainstreaming on reducing health inequalities.

(i) Health inequalities sensitisation. Compulsory HIAT assessments, one-to-one support, specialised training sessions, informal learning opportunities, dissemination events, public engagement activities, resources (such as quizzes and games) and participation in research projects all contributed to increased awareness amongst Partners, PAs and the wider public about the social and economic causes of health inequalities. Research participants described HIAT assessments as ‘triggering a lightbulb moment’ and ‘broadening horizons’ by revealing how ill-health is linked to socio-economic factors. Others mentioned that training was ‘transformational’ because it challenged the notion that health inequalities are beyond professionals’ remit and helped them to recognise ‘that health inequalities is not the responsibility of professionals specialised on health inequalities; it is everybody’s business’. PAs also stated that CLAHRC-NWC helped to create an environment that normalised discussions around health (in)equity.

(ii) Mainstreaming through toolkits and reporting. As noted earlier, HIAT assessments of all activities and regular reporting on health inequalities were mandatory. A subcommittee of the SB reviewed all HIAT assessment reports and gave feedback on how to improve the health equity focus of proposed Proposals that failed to complete the HIAT were Some respondents described the emphasis on assessments and reporting as a way to remind people that health inequalities are ‘everyone’s responsibility’. Others described this obligation as a ‘carrot and stick’ approach that was important because ‘academics wouldn’t have used it otherwise’. There were multiple comments about the benefits of the HIAT assessment process. As one Intern noted:

We utilised May et al.’s Normalisation Process Theory (2021) to identify and explore
factors associated with context and agency that enabled or impeded mainstreaming progress.

Contextual factors that influenced mainstreaming

According to the theory, as explained earlier, contextual factors influencing mainstreaming processes include capacity and potential. (May, 2013; May and Finch, 2009)

(i) Capacity. The previous section demonstrated how CLAHRC-NWC invested in developing structural and cognitive resources to facilitate the process of mainstreaming health equity. But despite these efforts, there were problems. Perhaps the most important problems emerged because of the lack of an explicit mainstreaming strategy. Given the lack of readily accessible literature, guidelines or examples on how to embed a focus on health equity at an institutional level or in research, and the short time available to produce the original funding bid, it is understandable that a strategy was not put in place initially. However, it is likely that this led to a lack of clarity about whose responsibility it was “to integrate and coordinate work (…) to reduce health inequalities” as set out in the original proposal. The importance of having a strategy that spells out “norms” or “rules” to give structure to meanings and define behaviours within organisations has been highlighted (May and Finch, 2009; Morison and Brown, 2007). Indeed, gender experts have noted that if mainstreaming is to be successful, organisations must make explicit its importance and deal with issues of responsibilities and roles: “[if gender] is not integrated from the outset of the process, it will structurally determine that…[it] does not receive necessary attention and priority throughout the remainder of the process”. (Ahmed et al., 2016: 535)

Insights from the literature suggest that if CLAHRC-NWC had had an explicit
strategy on health equity mainstreaming from the onset, it is more likely that the collaboration would have established a central ‘team’ with a remit to foster responsibility for health equity mainstreaming across the CLAHRC, rather than locating this responsibility in the Public Health Theme. However, a senior university partner involved in writing the original bid argued that “responsibility was contained within a theme to ensure it could be delivered in a focused rather than diffuse way with the most senior experts in control of the process who also had responsibility for engagement”. From this perspective problems arose not because of where the health equity team were located in the organisation but because, in practice, staff deflected responsibility. Particularly in the early years, routine data suggest that the dedicated staff member working part time on the health inequalities agenda was perceived as having primary responsibility for training, promoting and monitoring the implementation of a health inequity focus. It is likely that this process would have been compounded by the lack of an explicit strategy, which allowed the message that health equity mainstreaming was a CLAHRC-NWC wide responsibility to be diluted.

Problems also arose because many of the first phase project proposals began before the HIAT was in place so a focus on health equity had to be ‘retro-fitted’: there was perhaps an understandable reluctance amongst some research staff to engage in this process with enthusiasm. Third, the HIAT team was on a steep learning curve in terms of how the health equity mainstreaming objectives could be operationalised. This led to delays in the development and provision of cognitive resources (i.e. such as training materials, guidelines, checklists or case studies). In addition, it took nearly a year to appoint a senior researcher to lead on co-developing the HIAT and a further seven months to launch the first version of the tool in March 2015. However,
this process itself involved a significant number of people (PA, partner professionals, academics etc) in a series of iterative co-development and review meetings focused on the tool itself and related web resource. These meetings thrashed out many disagreements and concerns about definitions, emphasis on socio-economic factors and expectations enabling the developing of a more accessible and appropriate tool.

(ii) Potential. Potential is the “readiness” to act, embrace new knowledge or adopt a new practice which is, in turn, highly dependent on what people already know (cognition). Pedraza-Fariña’s study (2017:35) on social innovation within collaborations emphasised the impact of cognitive distance between people - ie the gulf between different ways of acquiring knowledge and understanding information - which “can prevent fruitful idea recombination” and collaboration. In essence, cognitive distance hampers people’s potential to engage with other ways of knowing, creating conflicting perceptions of what counts as evidence and what problems and approaches are worthy, rigorous and feasible. (Inhorn, 2006; Pedraza-Fariña, 2017: 418)

Though not explicitly referenced, forms of cognitive distance were one of the most frequently mentioned barriers to Partners’ staff engagement with CLAHRC-NWC’s approach to health equity during the first 18 months. For instance, while there was widespread agreement that health inequalities were important, there were disagreements over the centrality of the socio-economic drivers in CLAHRC-NWC’s approach to health equity and even, as this partner noted, disagreement about how prominent the health inequalities focus should be:

I don’t know but some very senior people have said ‘we would like you to tone it down next time because other people are complaining, saying, “bloody Health
Inequalities it’s figuring all the time; I just want to answer a research problem; why have we got to worry about that? (APE.int.190118, Academic Partner).

There were also different understandings of the concept of inequity. This participant explained how professionals struggled to integrate CLAHRC-NWC’s focus on socio-economic drivers of health inequalities as opposed to a disease focus into their pre-existing projects and activities:

Part of the reason why I have struggled a bit trying to explain to them because people tend to think about like health, ‘well I’ve got cancer’ or ‘my friend or my family’s got cancer’ so it's a real physical or health problem or somebody’s got dementia or severe depression or whatever, but it's all these sort of like precursor still a lot of these things I see (EKM.int.190118, Academic Partner)

Data from the interviews suggest that this resistance could also be driven by ideas about the limited benefit professionals would obtain from engaging with health inequalities, echoing research that suggests that cognitive distance is also shaped by professional self-interest (Sen et al., 2007). For instance, those reluctant to invest time to retrofit health inequalities in their existing projects claimed that HIAT assessments and progress reports were too ‘restrictive’, ‘bureaucratic’ or ‘unnecessary’.

Finally, people’s potential to act is dependent upon pre-existing relationships. (Leach et al., 2017; Pedraza-Fariña, 2017) CLAHRC-NWC brought together organisations and individuals from very diverse disciplines and backgrounds, most of whom had no previous connecting ties. This can have serious implications for the levels and extent of trust, which is an important requirement for cooperation (Delany-Crowe et al., 2019).

We bring a group of people together that have not worked together before and that
was a major challenge. So you’ve got a lot of money to deliver something really quite big among a group of people that have no track record of working together before and that was a real stress (...) it really impacted on efficiency and the ability to deliver something for quite a long time’ (FW.int.090218, Academic Partner).

The success of one stream of work, the Partners Priority Programme (PPP), illustrates the importance of cognition and pre-existing relationships to activating people’s predisposition to engage with health equity. This programme was established in 2015, within the Knowledge Exchange Theme, to evaluate new models of care. Widely perceived to be very valuable, respondents comments suggest that a key ingredient in this was the programme lead’s commitment that enthused members of her team. With a background in Public Health she advocated for action on the social causes of health inequalities and ensured that addressing health inequalities was a cross-cutting goal in the programme. She was also an ‘in-betweener’. As an academic and local government practitioner she spoke two ‘languages’ so she understood and helped to bridge different epistemic worldviews. There were of course other dynamics at play, notably the fact that this programme was established at the request of NHS and Local Government Partners and had the SB’s approval. This was instrumental in legitimating and facilitating the lead’s attempts to make health equity a priority.

Emerging expressions of agency that influenced mainstreaming

Enabling what May et al. (2009) terms “emerging expressions of agency” is essential to normalise new ways of thinking and acting. These emerging expressions of agency involve capability, which requires that resources are “workable” so they can be easily integrated into existing routines and structures and contribution, which happens when individuals become active participants in mobilising resources
to normalise practices.

(i) Capability. As argued earlier different understandings of health inequity played a role in determining whether people resisted or engaged with the health equity mainstreaming processes. But, sometimes it was a lack of confidence, and not a lack of desire and knowledge, that prevented people from designing health equity-sensitive activities and/or supporting others to do this. As CLAHRC-NWC developed more of its activities included training and developmental sessions on health inequalities. This resulted in a general perception that knowledge of, and confidence in, using the HIAT tool – making it more ‘workable’ – grew over time. As one respondent explained:

I think, when I was looking at it just as a tool without a project to apply it to (...) I mean I could understand the words that I was seeing on the page but I couldn’t imagine how it would be applied in actuality (...) so that whole process of look at the HIAT tool, apply it to a project, help them with the project and then get some feedback from (facilitator name) and then go around that again, that iterative process with (facilitator name’s) feedback I think has been a really important learning opportunity (PPP.fg.02, NHS Partner)

Once the HIAT tool was perceived to be workable it was easier for people to see how it could be integrated into everyday practice. One postgraduate student, for example, highlighted how, after receiving training, they planned to use the HIAT in the future. Another student noted that applying the HIAT helped them to recognise the responsibility of all researchers in applying a health equity lenses to health service research.

(ii) Contribution. Positive contribution leading to integration of new practices is not necessarily the sum of potential, capacity and capability. As already noted, for some
people capacity building activities and the requirement for HIAT assessments and reports were not enough to bring about shifts in thinking, which in turn impacted on people’s readiness to engage with health equity and the HIAT. Knowledge, perceptions about professional gain, lack of time to re-align projects, lack of support within organisations, pressure to get on with the research and publish and the weight of the mind-set that ‘this is the way we do things’ were all factors that thwarted contribution: the mobilisation of resources to normalise practices.

On the other hand, there were many involved in CLAHRC-NWC who accepted that health equity mainstreaming was a CLAHRC-wide responsibility. Their attitudes, combined with access to training and resources (structural and cognitive), helped them to become active supporters of practices that normalised a health equity focus into their own and their teams’ work. They showed a great attachment to CLAHRC-NWC’s approach and became HIAT champions, playing a fundamental role in creating an environment to motivate others to engage with issues of health inequalities. As one core CLAHRC-NWC staff commented, learning to implement the HIAT had been ‘fantastic’ not only because it enhanced her own knowledge and skills but because it could enthuse and support others to use the tool. Similarly, a Local Authority Partner commented on how their expanding understanding of health inequalities affected their approach to data analysis and collaborations:

a lot of the broader Health and Equality stuff has probably affected how I look at data in other parts of the county. For example I do quite a lot of work in (place name) working with one of the local GP’s and a team of partners and community members looking at how we tackle some of the entrenched issues there. So that side of it probably has stepped back in yes. (PH.int. 01, LA Partner)

Strengths and limitations of the CLAHRC evaluation
CLAHRC-NWC invested resources in cash and kind in conducting an internal evaluation and a wide range of stakeholders - professionals and public - contributed a valuable diversity of perspectives to the interpretative process. The fact that the evaluation was conducted by an internal team enabled its members to navigate the intricacies of this complex collaborative organisation and to draw upon embodied and tacit knowledge of the context in which CLAHRC-NWC operated. This helped to fill gaps in the data and enabled access to a range of secondary data.

At the same time, however, this ‘insider position’ can be viewed as a limitation. Several steps were taken to reduce “direct bias” (Harding, 1987) from CLAHRC-NWC staff conducting the evaluation. These included: avoiding allocating interviews to members of the evaluation team with personal contact with the interviewee; initial transcripts coded by two of the evaluation team researchers and results compared; and a collective, iterative process of reflecting on data analysis and interpretation. PAs also reviewed a sample of transcript extracts to ensure a public perspective of key themes informed the findings.

Finally, there were some differences in the data collected from the different components of the evaluation. As each component had its own objectives, the interview and focus group topic guides varied in the detail to which they prompted research participants about health inequalities. However, together they provided a rich picture across the collaboration’s work.

Discussion: Understanding factors that enabled or prevented mainstreaming

We utilised May et al.’s Normalisation Process Theory (2021) to identify and explore factors associated with context and agency that enabled or impeded mainstreaming
progress.

Contextual factors that influenced mainstreaming

According to the theory, as explained earlier, contextual factors influencing mainstreaming processes include capacity and potential. (May, 2013; May and Finch, 2009)

(i) Capacity. The previous section demonstrated how CLAHRC-NWC invested in developing structural and cognitive resources to facilitate the process of mainstreaming health equity. But despite these efforts, there were problems. Perhaps the most important problems emerged because of the lack of an explicit mainstreaming strategy. Given the lack of readily accessible literature, guidelines or examples on how to embed a focus on health equity at an institutional level or in research, and the short time available to produce the original funding bid, it is understandable that a strategy was not put in place initially. However, it is likely that this led to a lack of clarity about whose responsibility it was “to integrate and coordinate work (...) to reduce health inequalities” as set out in the original proposal. The importance of having a strategy that spells out “norms” or “rules” to give structure to meanings and define behaviours within organisations has been highlighted (May and Finch, 2009; Morison and Brown, 2007). Indeed, gender experts have noted that if mainstreaming is to be successful, organisations must make explicit its importance and deal with issues of responsibilities and roles: “[if gender] is not integrated from the outset of the process, it will structurally determine that...[it] does not receive necessary attention and priority throughout the remainder of the process”. (Ahmed et al., 2016: 535)

Insights from the literature suggest that if CLAHRC-NWC had had an explicit strategy on health equity mainstreaming from the onset, it is more likely that the
collaboration would have established a central ‘team’ with a remit to foster responsibility for health equity mainstreaming across the CLAHRC, rather than locating this responsibility in the Public Health Theme. However, a senior university partner involved in writing the original bid argued that “responsibility was contained within a theme to ensure it could be delivered in a focused rather than diffuse way with the most senior experts in control of the process who also had responsibility for engagement”. From this perspective problems arose not because of where the health equity team were located in the organisation but because, in practice, staff deflected responsibility. Particularly in the early years, routine data suggest that the dedicated staff member working part time on the health inequalities agenda was perceived as having primary responsibility for training, promoting and monitoring the implementation of a health inequity focus. It is likely that this process would have been compounded by the lack of an explicit strategy, which allowed the message that health equity mainstreaming was a CLAHRC-NWC wide responsibility to be diluted.

Problems also arose because many of the first phase project proposals began before the HIAT was in place so a focus on health equity had to be ‘retro-fitted’: there was perhaps an understandable reluctance amongst some research staff to engage in this process with enthusiasm. Third, the HIAT team was on a steep learning curve in terms of how the health equity mainstreaming objectives could be operationalised. This led to delays in the development and provision of cognitive resources (i.e. such as training materials, guidelines, checklists or case studies). In addition, it took nearly a year to appoint a senior researcher to lead on co-developing the HIAT and a further seven months to launch the first version of the tool in March 2015. However, this process itself involved a significant number of people (PA, partner
professionals, academics etc) in a series of iterative co-development and review meetings focused on the tool itself and related web resource. These meetings thrashed out many disagreements and concerns about definitions, emphasis on socio-economic factors and expectations enabling the developing of a more accessible and appropriate tool.

(ii) Potential. Potential is the “readiness” to act, embrace new knowledge or adopt a new practice which is, in turn, highly dependent on what people already know (cognition). Pedraza-Fariña’s study (2017:35) on social innovation within collaborations emphasised the impact of cognitive distance between people - ie the gulf between different ways of acquiring knowledge and understanding information - which “can prevent fruitful idea recombination” and collaboration. In essence, cognitive distance hampers people’s potential to engage with other ways of knowing, creating conflicting perceptions of what counts as evidence and what problems and approaches are worthy, rigorous and feasible. (Inhorn, 2006; Pedraza-Fariña, 2017: 418)

Though not explicitly referenced, forms of cognitive distance were one of the most frequently mentioned barriers to Partners’ staff engagement with CLAHRC-NWC’s approach to health equity during the first 18 months. For instance, while there was widespread agreement that health inequalities were important, there were disagreements over the centrality of the socio-economic drivers in CLAHRC-NWC’s approach to health equity and even, as this partner noted, disagreement about how prominent the health inequalities focus should be:

I don’t know but some very senior people have said ‘we would like you to tone it down next time because other people are complaining, saying, “bloody Health Inequalities it’s figuring all the time; I just want to answer a research
problem; why have we got to worry about that? (APE.int.190118, Academic Partner).

There were also different understandings of the concept of inequity. This participant explained how professionals struggled to integrate CLAHRC-NWC’s focus on socio-economic drivers of health inequalities as opposed to a disease focus into their pre-existing projects and activities:

Part of the reason why I have struggled a bit trying to explain to them because people tend to think about like health, ‘well I’ve got cancer’ or ‘my friend or my family’s got cancer’ so it's a real physical or health problem or somebody’s got dementia or severe depression or whatever, but it's all these sort of like precursor still a lot of these things I see (EKM.int.190118, Academic Partner)

Data from the interviews suggest that this resistance could also be driven by ideas about the limited benefit professionals would obtain from engaging with health inequalities, echoing research that suggests that cognitive distance is also shaped by professional self-interest (Sen et al., 2007). For instance, those reluctant to invest time to retrofit health inequalities in their existing projects claimed that HIAT assessments and progress reports were too ‘restrictive’, ‘bureaucratic’ or ‘unnecessary’.

Finally, people’s potential to act is dependent upon pre-existing relationships. (Leach et al., 2017; Pedraza-Fariña, 2017) CLAHRC-NWC brought together organisations and individuals from very diverse disciplines and backgrounds, most of whom had no previous connecting ties. This can have serious implications for the levels and extent of trust, which is an important requirement for cooperation (Delany-Crowe et al., 2019).

We bring a group of people together that have not worked together before and that
was a major challenge. So you’ve got a lot of money to deliver something really quite big among a group of people that have no track record of working together before and that was a real stress (...) it really impacted on efficiency and the ability to deliver something for quite a long time’ (FW.int.090218, Academic Partner).

The success of one stream of work, the Partners Priority Programme (PPP), illustrates the importance of cognition and pre-existing relationships to activating people’s predisposition to engage with health equity. This programme was established in 2015, within the Knowledge Exchange Theme, to evaluate new models of care. Widely perceived to be very valuable, respondents comments suggest that a key ingredient in this was the programme lead’s commitment that enthused members of her team. With a background in Public Health she advocated for action on the social causes of health inequalities and ensured that addressing health inequalities was a cross-cutting goal in the programme. She was also an ‘in-betweener’. As an academic and local government practitioner she spoke two ‘languages’ so she understood and helped to bridge different epistemic worldviews. There were of course other dynamics at play, notably the fact that this programme was established at the request of NHS and Local Government Partners and had the SB’s approval. This was instrumental in legitimating and facilitating the lead’s attempts to make health equity a priority.

Emerging expressions of agency that influenced mainstreaming

Enabling what May et al. (2009) terms “emerging expressions of agency” is essential to normalise new ways of thinking and acting. These emerging expressions of agency involve capability, which requires that resources are “workable” so they can be easily integrated into existing routines and structures and contribution, which happens when individuals become active participants in
mobilising resources to normalise practices.

(i) Capability. As argued earlier different understandings of health inequity played a role in determining whether people resisted or engaged with the health equity mainstreaming processes. But, sometimes it was a lack of confidence, and not a lack of desire and knowledge, that prevented people from designing health equity-sensitive activities and/or supporting others to do this. As CLAHRC-NWC developed more of its activities included training and developmental sessions on health inequalities. This resulted in a general perception that knowledge of, and confidence in, using the HIAT tool – making it more ‘workable’ – grew over time. As one respondent explained:

I think, when I was looking at it just as a tool without a project to apply it to (...) I mean I could understand the words that I was seeing on the page but I couldn’t imagine how it would be applied in actuality (...) so that whole process of look at the HIAT tool, apply it to a project, help them with the project and then get some feedback from (facilitator name) and then go around that again, that iterative process with (facilitator name’s) feedback I think has been a really important learning opportunity (PPP.fg.02, NHS Partner)

Once the HIAT tool was perceived to be workable it was easier for people to see how it could be integrated into everyday practice. One postgraduate student, for example, highlighted how, after receiving training, they planned to use the HIAT in the future. Another student noted that applying the HIAT helped them to recognise the responsibility of all researchers in applying a health equity lenses to health service research.

(ii) Contribution. Positive contribution leading to integration of new practices is not necessarily the sum of potential, capacity and capability. As already noted, for some
people capacity building activities and the requirement for HIAT assessments and reports were not enough to bring about shifts in thinking, which in turn impacted on people’s readiness to engage with health equity and the HIAT. Knowledge, perceptions about professional gain, lack of time to re-align projects, lack of support within organisations, pressure to get on with the research and publish and the weight of the mind-set that ‘this is the way we do things’ were all factors that thwarted contribution: the mobilisation of resources to normalise practices. On the other hand, there were many involved in CLAHRC-NWC who accepted that health equity mainstreaming was a CLAHRC-wide responsibility. Their attitudes, combined with access to training and resources (structural and cognitive), helped them to become active supporters of practices that normalised a health equity focus into their own and their teams’ work. They showed a great attachment to CLAHRC-NWC’s approach and became HIAT champions, playing a fundamental role in creating an environment to motivate others to engage with issues of health inequalities. As one core CLAHRC-NWC staff commented, learning to implement the HIAT had been ‘fantastic’ not only because it enhanced her own knowledge and skills but because it could enthuse and support others to use the tool. Similarly, a Local Authority Partner commented on how their expanding understanding of health inequalities affected their approach to data analysis and collaborations: a lot of the broader Health and Equality stuff has probably affected how I look at data in other parts of the county. For example I do quite a lot of work in (place name) working with one of the local GP’s and a team of partners and community members looking at how we tackle some of the entrenched issues there. So that side of it probably has stepped back in yes. (PH.int. 01, LA Partner)
Strengths and limitations of the CLAHRC evaluation

CLAHRC-NWC invested resources in cash and kind in conducting an internal evaluation and a wide range of stakeholders – professionals and public - contributed a valuable diversity of perspectives to the interpretative process. The fact that the evaluation was conducted by an internal team enabled its members to navigate the intricacies of this complex collaborative organisation and to draw upon embodied and tacit knowledge of the context in which CLAHRC-NWC operated. This helped to fill gaps in the data and enabled access to a range of secondary data.

At the same time, however, this ‘insider position’ can be viewed as a limitation. Several steps were taken to reduce “direct bias” (Harding, 1987) from CLAHRC-NWC staff conducting the evaluation. These included: avoiding allocating interviews to members of the evaluation team with personal contact with the interviewee; initial transcripts coded by two of the evaluation team researchers and results compared; and a collective, iterative process of reflecting on data analysis and interpretation. PAs also reviewed a sample of transcript extracts to ensure a public perspective of key themes informed the findings.

Finally, there were some differences in the data collected from the different components of the evaluation. As each component had its own objectives, the interview and focus group topic guides varied in the detail to which they prompted research participants about health inequalities. However, together they provided a rich picture across the collaboration’s work.

Conclusion

The evaluation findings reported here contribute to the literature on health equity in
a number of ways. They provide insights into CLAHRC-NWC’s attempt to bring a focus on reducing health inequalities centre-stage: embedding it at all levels and in all activities within this large and complex collaboration. These activities included both the governance and conduct of: applied research and evidence synthesis projects; implementation and knowledge mobilization projects; research capacity building initiatives; and local health policy-making and practice development. The evaluation suggests that important progress had been made in this endeavour and the majority of respondents perceived that the focus on health equity has added value to their work and that of the collaboration. However, the attempt to mainstream a health equity focus has also been contested and has involved a steep learning curve for all involved.

Our use of gender mainstreaming theory has provided a unique perspective on the nature and impact of processes, structures and activities put in place by CLAHRC-NWC in their attempt to institutionalisation ways of thinking and acting to tackle the root causes of health inequalities. Similarly, the application of NPT has shed new light onto the factors that can be expected to enable or hinder attempts to normalise and systematise a focus on reducing health inequalities.

The analytical purchase provided by the use of these two frameworks in combination has illuminated some of the key ingredients, shown in Table 1, for successful mainstreaming of a focus on the upstream drivers of health inequalities. In particular, successful mainstraining requires clarity about roles and responsibilities for capacity building, integrating and monitoring this focus. It will also require that these responsibilities are widely distributed across an organisation, marking, as a recent article on gender equity in science argued, an important shift from the measurement and sensitisation revolution to “the
accountability revolution” (Hawkes et al., 2019) whereby equity becomes everybody’s responsibility.

Table 1. Key elements of a Health Equity Mainstreaming Strategy

1. Develop a strategy which defines health inequities and their causes clearly, recognising explicitly that health inequities cannot be tackled without fully understanding and addressing their intersectional nature and upstream social and economic causes.

2. Identify dedicated resources and tools to support researchers and members of the public, including appointment of specialist staff but also be explicit about the institutionalisation of roles and responsibilities for mainstreaming across the organisation.

3. Put in place procedures to build capabilities for research and action to reduce health inequities and that recognise and reward those who lead normalisation processes.

4. Foster local collaborations with the relevant health and social care organisations, the public health community and relevant publics to coproduce applied health research and action.

5. Ensure monitoring and feedback of progress across all levels and activities.

Abbreviations

CC
CLAHRC strategic objectives
CCG
Clinical Commissioning Groups
CLAHRC NWC
Collaboration for Leadership in Applied Health Research and Care North West Coast
Fg
focus group
HIAT
Declarations

**Ethical approval and consent to participate**

Ethical approval for primary data collection was obtained from Lancaster University (Public Health programme FHMREC13028 and CLAHRC-NWC strategic objectives evaluation FHMREC17023); University of Liverpool (Partners Priority Programme evaluation 2236); and University of Central Lancashire (Intern programme
evaluation STEMH608). All research participants received information sheets and signed consent forms which made it clear that their participation was voluntary.

Consent for publication

All research participants received information sheets and signed consent forms which made it clear that the information and quotes from the interviews will be pooled with other participants’ responses, anonymised and may be published.

Availability of supporting data

Due to confidentiality, and the nature of the consent obtained, the qualitative interview transcripts cannot be shared. For further information related to this data set, please contact the corresponding author.

Competing interests

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Authors contributions

APE did the major part of the design, acquisition of data, interpretation and drafting; JP did the major part of the design, interpretation and drafting; FW made substantial contributions to the conception of the work, and contributed to acquisition of data, data interpretation and revision of the draft. MG and JC made substantial contributions to the conception of the work and revision of the draft. KK,
SH and EKM contributed to acquisition of data and interpretation. SA and DA made substantial contributions to the design and acquisition of data on public advisers experiences’ working with CLAHRC-NWC. All authors read and approved the final manuscript.

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the health inequalities assessment toolkit was great. That was all new to me and very useful and that thinking upstream stuff it was a lot of food for thought. I felt like my brain was running out of my ears to be honest but it was really good (CB.int.008, Intern)

Similarly, an NHS Partner involved in evaluating a new model of care commented that:

Rather than simply thinking about outcomes, the HIAT tool allowed us to think more effectively
around the data we were collecting and how we were collecting it, as well as how we can interrogate the data to gain further insight around socio-economic and demographic factors (HIAT feedback form, NHS Partner)

(iii) Achieving better health equity sensitive evaluations. As Gita Sen et al (26:84) argue, getting the right data and indicators are a prerequisite for more effective actions on health because: “what gets measured is what gets done”. Partners and PAs reported that HIAT training and assessments helped them to develop evaluations that were sensitive to health equity and enhanced their practice. For instance, several respondents agreed that in the NHS and LA ‘things get implemented but nobody measures the impact of implementing something’. And as this partner commented, evaluations sensitive to health equity brought to the fore issues of accountability and ‘wise’ expenditure of public money:

I think probably we’ve conducted more robust evaluation than we would have done if we hadn’t been involved with CLAHRC (...) I think that’s helpful because it makes us consider whether what we’re doing is effective and how it can be changed rather than just keeping plodding on doing what we’re doing because we think it’s the right thing to do. (ESK.int.190118, Academic Partner)

Most respondents stated that they had learnt about the importance of collecting disaggregated data by socio-economic status and other relevant determinants of inequalities to measure any differential impacts of interventions. This senior CLAHRC-NWC staff member emphasised this learning:

[Partners staff] the identification of the health inequalities and measurement has been real learning and real change, particularly around using disaggregated data (...) in undertaking their evaluations (...) They’ve had to look at how do we collect the data in that way and that’s been real, real learning for them (PPP.fg.02, Academic Partner)

For one NHS Partner the realisation that there were ‘limitations of data coming’ from their organisation was ‘disappointing’. Others conducting reviews found the data limitations of primary research ‘frustrating’ and decided to report these gaps in their outputs. Through reporting, they
hoped to make visible the need for disaggregated data in all research projects. Another team of NHS partners changed their organisational structures to get more health equity sensitive information going:

quite a long way to adapt their current practices to design their data capture questionnaires that go right across their organisation, not just for the evaluation but for the way that they record and track their service users, the disaggregated data because they weren’t collecting it in that way before. So that’s quite a big service change for them to make so they’ve been willing to take on board some of the ideas and suggestions and put them into practice so (PPP.fg.02, NHS Partner)

(iv) Fostering local collaborations that include practitioners and members of the public to address the social inequalities in health. Developing collaborations between different agencies and with members of the public has been argued to be an effective way to address social inequalities in health (CSDH, 2008). Certainly many CLAHRC-NWC staff and partners appreciated that ‘joint work between universities and the service side’ opened opportunities to access resources like databases, tools and ways of presenting information; deepened their understanding of health inequalities and encouraged them to use the collaboration to rethink how they address health inequalities. Several academics particularly valued the opportunity to work with local government and organisations outside the traditional remit of public health such as those in the fields of housing, environment, transport, as well as with third sector organisations, community groups, residents, local businesses and local employers to address local social determinants of health. This University Partner reflected on the impact of CLAHRC-NWC on fostering a culture of coproduction through collaboration with Local Authorities:

For example, places like (Local Authority name) they are trying to address debt, trying to bring in stuff like financial education type support. I think it has changed the dialogue and all the partners who have been involved I do detect that. (EKM.int.190118, Academic Partner)

(v) Valuing public involvement. In the field of gender mainstreaming another indicator of success is
the involvement of women or women’s rights organisations in the planning or formulation of programmes and the valuing of their knowledge and contributions. (UN Development Group, 2018)

By the same token, addressing health inequalities requires public involvement as an entry-point to understand the perspective of those experiencing social and health inequalities. A number of interviewees and comments on feedback forms revealed that the HIAT assessment process helped some people to comprehend the importance of involving members of the public to design and implement more effective interventions as this academic highlights:

Well I think that’s where public engagement and the HIAT actually mesh together in that you can’t really do a HIAT without engaging with people, members of the public or patients or carers, because you’re turning the research topic round to what do they think would be helpful to them

(EKM.int.240118, Academic Partner)

Local authority respondents made similar points, when asked whether they had benefited from being involved in the CLAHRC:

Yeh I do very much so (...) I suppose some things I’ve learnt have been around, you know, when you’re working with communities actually trying to do something (PH.int.9, LA Partner)

We utilised May et al.’s Normalisation Process Theory (2021) to identify and explore factors associated with context and agency that enabled or impeded mainstreaming progress.

Contextual factors that influenced mainstreaming

According to the theory, as explained earlier, contextual factors influencing mainstreaming processes include capacity and potential. (May, 2013; May and Finch, 2009)

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Data from the interviews suggest that this resistance could also be driven by ideas about the limited benefit professionals would obtain from engaging with health inequalities, echoing research that suggests that cognitive distance is also shaped by professional self-interest (Sen et al., 2007). For instance, those reluctant to invest time to retrofit health inequalities in their existing projects claimed that HIAT assessments and progress reports were too ‘restrictive’, ‘bureaucratic’ or ‘unnecessary’.

Finally, people’s potential to act is dependent upon pre-existing relationships. (Leach et al., 2017; Pedraza-Fariña, 2017) CLAHRC-NWC brought together organisations and individuals from very diverse disciplines and backgrounds, most of whom had no previous connecting ties. This can have serious implications for the levels and extent of trust, which is an important requirement for cooperation (Delany-Crowe et al., 2019).

We bring a group of people together that have not worked together before and that was a major challenge. So you’ve got a lot of money to deliver something really quite big among a group of people that have no track record of working together before and that was a real stress (...) it really
impacted on efficiency and the ability to deliver something for quite a long time’ (FW.int.090218, Academic Partner).

The success of one stream of work, the Partners Priority Programme (PPP), illustrates the importance of cognition and pre-existing relationships to activating people’s predisposition to engage with health equity. This programme was established in 2015, within the Knowledge Exchange Theme, to evaluate new models of care. Widely perceived to be very valuable, respondents comments suggest that a key ingredient in this was the programme lead’s commitment that enthused members of her team. With a background in Public Health she advocated for action on the social causes of health inequalities and ensured that addressing health inequalities was a cross-cutting goal in the programme. She was also an ‘in-between’. As an academic and local government practitioner she spoke two ‘languages’ so she understood and helped to bridge different epistemic worldviews. There were of course other dynamics at play, notably the fact that this programme was established at the request of NHS and Local Government Partners and had the SB’s approval. This was instrumental in legitimating and facilitating the lead’s attempts to make health equity a priority.

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On the other hand, there were many involved in CLAHRC-NWC who accepted that health equity mainstreaming was a CLAHRC-wide responsibility. Their attitudes, combined with access to training and resources (structural and cognitive), helped them to become active supporters of practices that normalised a health equity focus into their own and their teams’ work. They showed a great
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Strengths and limitations of the CLAHRC evaluation

CLAHRC-NWC invested resources in cash and kind in conducting an internal evaluation and a wide range of stakeholders – professionals and public - contributed a valuable diversity of perspectives to the interpretative process. The fact that the evaluation was conducted by an internal team enabled its members to navigate the intricacies of this complex collaborative organisation and to draw upon embodied and tacit knowledge of the context in which CLAHRC-NWC operated. This helped to fill gaps in the data and enabled access to a range of secondary data.
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evaluation. As each component had its own objectives, the interview and focus group topic guides varied in the detail to which they prompted research participants about health inequalities. However, together they provided a rich picture across the collaboration’s work.

Discussion: Understanding factors that enabled or prevented mainstreaming

We utilised May et al.’s Normalisation Process Theory (2021) to identify and explore factors associated with context and agency that enabled or impeded mainstreaming progress.

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Conclusion

The evaluation findings reported here contribute to the literature on health equity in a number of ways. They provide insights into CLAHRC-NWC’s attempt to bring a focus on reducing health inequalities centre-stage: embedding it at all levels and in all activities within this large and complex collaboration. These activities included both the governance and conduct of: applied research and evidence synthesis projects; implementation and knowledge mobilization projects; research capacity building initiatives; and local health policy-making and practice development. The evaluation suggests that important progress had been made in this endeavour and the majority of respondents perceived that the focus on health equity has added value to their work and that of the collaboration. However, the attempt to mainstream a health equity focus has also been contested and has involved a steep learning curve for all involved.

Our use of gender mainstreaming theory has provided a unique perspective on the nature and impact of processes, structures and activities put in place by CLAHRC-NWC in their attempt to institutionalisation ways of thinking and acting to tackle the root causes of health inequalities. Similarly, the application of NPT has shed new light onto the factors that can be expected to enable or hinder attempts to normalise and systematise a focus on reducing health inequalities.

The analytical purchase provided by the use of these two frameworks in combination has
illuminated some of the key ingredients, shown in Table 1, for successful mainstreaming of a focus on the upstream drivers of health inequalities. In particular, successful mainstreaming requires clarity about roles and responsibilities for capacity building, integrating and monitoring this focus. It will also require that these responsibilities are widely distributed across an organisation, marking, as a recent article on gender equity in science argued, an important shift from the measurement and sensitisation revolution to “the accountability revolution” (Hawkes et al., 2019) whereby equity becomes everybody’s responsibility.

Table 1. Key elements of a Health Equity Mainstreaming Strategy

|   |   |
|---|---|
| 1. | Develop a strategy which defines health inequities and their causes clearly, recognising explicitly that health inequities cannot be tackled without fully understanding and addressing their intersectional nature and upstream social and economic causes. |
| 2. | Identify dedicated resources and tools to support researchers and members of the public, including appointment of specialist staff but also be explicit about the institutionalisation of roles and responsibilities for mainstreaming across the organisation. |
| 3. | Put in place procedures to build capabilities for research and action to reduce health inequities and that recognise and reward those who lead normalisation processes. |
| 4. | Foster local collaborations with the relevant health and social care organisations, the public health community and relevant publics to coproduce applied health research and action. |
| 5. | Ensure monitoring and feedback of progress across all levels and activities. |

Abbreviations

CC
CLAHRC strategic objectives

CCG
Clinical Commissioning Groups

CLAHRC NWC
Collaboration for Leadership in Applied Health Research and Care North West Coast

Fg
focus group

HIAT
Health Inequalities Assessment Toolkit

Int
interview

IP
Intern programme

LA
Local Authorities

NPT
Normalisation Process Theory

PPP
Partner Priority Programme

PA
Public Advisers

PH
Public Health research programme

SB
Steering Board

NIHR
National Institute for Health Research

UNDP
United Nations Development Programme

WHO
World Health Organisation
Declarations

Ethical approval and consent to participate

Ethical approval for primary data collection was obtained from Lancaster University (Public Health programme FHMREC13028 and CLAHRC-NWC strategic objectives evaluation FHMREC17023); University of Liverpool (Partners Priority Programme evaluation 2236); and University of Central Lancashire (Intern programme evaluation STEMH608). All research participants received information sheets and signed consent forms which made it clear that their participation was voluntary.

Consent for publication

All research participants received information sheets and signed consent forms which made it clear that the information and quotes from the interviews will be pooled with other participants’ responses, anonymised and may be published.

Availability of supporting data

Due to confidentiality, and the nature of the consent obtained, the qualitative interview transcripts cannot be shared. For further information related to this data set, please contact the corresponding author.

Competing interests

The author(s) declared no potential conflicts of interest with respect to the research, authorship, and/or publication of this article.

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**Authors contributions**

APE did the major part of the design, acquisition of data, interpretation and drafting; JP did the major part of the design, interpretation and drafting; FW made substantial contributions to the conception of the work, and contributed to acquisition of data, data interpretation and revision of the draft. MG and JC made substantial contributions to the conception of the work and revision of the draft. KK, SH and EKM contributed to acquisition of data and interpretation. SA and DA made substantial contributions to the design and acquisition of data on public advisers experiences’ working with CLAHRC-NWC. All authors read and approved the final manuscript.

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Figures
Figure 1

Organisational structure of NIHR CLAHRC-NWC