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## THEORY AND METHODS

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**Study objective:** To propose a definition of health equity to guide operationalisation and measurement, and to discuss the practical importance of clarity in defining this concept.

**Design:** Conceptual discussion.

**Setting, Patients/Participants, and Main results:** not applicable.

**Conclusions:** For the purposes of measurement and operationalisation, equity in health is the absence of systematic disparities in health (or in the major social determinants of health) between groups with different levels of underlying social advantage/disadvantage—that is, wealth, power, or prestige. Inequities in health systematically put groups of people who are already socially disadvantaged (for example, by virtue of being poor, female, and/or members of a disenfranchised racial, ethnic, or religious group) at further disadvantage with respect to their health; health is essential to wellbeing and to overcoming other effects of social disadvantage. Equity is an ethical principle; it also is consonant with and closely related to human rights principles. The proposed definition of equity supports operationalisation of the right to the highest attainable standard of health as indicated by the health status of the most socially advantaged group. Assessing health equity requires comparing health and its social determinants between more and less advantaged social groups. These comparisons are essential to assess whether national and international policies are leading toward or away from greater social justice in health.

In a widely cited 1992 paper on *The concepts and principles of equity in health*, Whitehead defined health inequities as differences in health that are unnecessary, avoidable, unfair and unjust.<sup>1</sup> That influential, articulate, and well conceived paper was "...not meant to be a technical document, but ...aimed at raising awareness and stimulating debate in a wide, general audience..." in Europe.<sup>1</sup> The document succeeded in its stated aim and has been useful in many settings on other continents. Valuable contributions also have been made by other discussions of the concept of equity in health or in health care, or both.<sup>2–13</sup> Accumulated experience now permits a fresh look at the question of how to define equity in health in a conceptually rigorous fashion that can guide measurement and hence accountability for actions at the policy and programmatic levels. This question is of particular relevance given the growing interest in equity among national and international health organisations.<sup>6 10 11 14–32</sup> The need for a more precise definition of equity in health also has arisen in the context of a recent debate between researchers at the World Health Organisation<sup>33–35</sup> and at a number of academic institutions<sup>36–38</sup>; this debate is discussed below (see *Do the definitions matter?*). This paper is primarily addressed to the research community, proposing a definition of health equity to guide measurement and, hence, accountability; we also discuss the practical importance of clarity in defining this concept, in terms of consequences for both policies and measurement. We are not aware of other literature addressing this issue.

## EQUITY MEANS SOCIAL JUSTICE

Equity means social justice or fairness; it is an ethical concept, grounded in principles of distributive justice.<sup>39–42</sup> Equity in health can be—and has widely been—defined as the absence of socially unjust or unfair health disparities.<sup>1 6</sup> However, because social justice and fairness can be interpreted differently by different people in different settings, a definition is needed that can be operationalised based on measurable criteria.

For the purposes of operationalisation and measurement, equity in health can be defined as the absence of systematic disparities in health (or in the major social determinants of health) between social groups who have different levels of underlying social advantage/disadvantage—that is, different positions in a social hierarchy. Inequities in health systematically put groups of people who are already socially disadvantaged (for example, by virtue of being poor, female, and/or members of a disenfranchised racial, ethnic, or religious group) at further disadvantage with respect to their health; health is essential to wellbeing and to overcoming other effects of social disadvantage.

Health represents both physical and mental wellbeing, not just the absence of disease.<sup>43</sup> Key social determinants of health include household living conditions, conditions in communities and workplaces, and health care, along with policies and programmes affecting any of these factors.<sup>43–50</sup> Health care is a social determinant in so far as it is influenced by social policies; we use the term broadly here to refer not only to the receipt/utilisation of health services, but also to the allocation of health care resources, the financing of health care, and the quality of health care services.

*Underlying social advantage or disadvantage* refers to wealth, power, and/or prestige—that is, the attributes that define how people are grouped in social hierarchies. Disadvantage also can be thought of as deprivation,<sup>51 52</sup> which can be absolute or relative<sup>53 54</sup>; the concept of human poverty developed by the United Nations Development Program reflects severe disadvantage.<sup>55</sup> Thus, *more and less advantaged social groups* are groups of people defined by differences that place them at different levels in a social hierarchy. Examples of more and less advantaged social groups include socioeconomic groups (typically defined by measures of income, economic assets, occupational class, and/or educational level), racial/ethnic or religious groups, or groups defined by gender, geography, age, disability, sexual orientation, and other characteristics relevant to the particular setting. This is not an exhaustive list, but social advantage is distributed along these lines virtually everywhere in the world. A health disparity must be *systematically*

associated with social advantage, that is, the associations must be significant and frequent or persistent, not just occasional or random.<sup>56</sup>

### EQUITY IS NOT THE SAME AS EQUALITY

The concept of equity is inherently normative—that is, value based<sup>1 37</sup>; while equality is not necessarily so.<sup>1 6 9 10 57</sup> Often, the term *health inequalities* is used as a synonym for *health inequities*, perhaps because *inequity* can have an accusatory, judgmental, or morally charged tone. However, it is important to recognise that, strictly speaking, these terms are not synonymous. The concept of health equity focuses attention on the distribution of resources and other processes that drive a particular kind of health inequality—that is, a systematic inequality in health (or in its social determinants) between more and less advantaged social groups, in other words, a health inequality that is unjust or unfair.

Not all health disparities are unfair.<sup>2 6</sup> For example, we expect young adults to be healthier than the elderly population. Female newborns tend to have lower birth weights on average than male newborns. Men have prostate problems, while women do not. It would be difficult, however, to argue that any of these health inequalities is unfair. However, differences in nutritional status or immunisation levels between girls and boys, or racial/ethnic differences in the likelihood of receiving appropriate treatment for a heart attack, would be causes for grave concern from an equity perspective.

### EQUITY AND HUMAN RIGHTS: EQUAL RIGHTS AND OPPORTUNITIES TO BE HEALTHY

The concept of equity is an ethical principle; it also is consonant with and closely related to human rights principles. The *right to health* as set forth in the WHO Constitution<sup>45</sup> and international human rights treaties is the right to “the highest attainable standard of health.” Although this notion has sometimes been criticised by public health practitioners for being vague and difficult to operationalise, accumulating experience suggests its utility.<sup>58–63</sup> We believe that the highest attainable standard of health can be understood to be reflected by the standard of health enjoyed by the most socially advantaged group within a society. One could argue that, given sufficient resources, the highest attainable standard could be far greater than that currently experienced even by the best off group in a society. The health levels of the most privileged groups in a given society at least reflect levels that clearly are biologically attainable, and minimum standards for what should be possible for everyone in that society within a foreseeable future. The proposed definition of equity in health thus is useful in operationalising the concept of the right to health.

While it is important, as noted above, to be clear about the distinction between health inequalities and health inequities, the concepts of equality and equal rights are none the less central and indispensable. The concept of equality is indispensable for the operationalisation and measurement of health equity and is important for accountability under the human rights framework. Equality can be assessed with respect to specified measurable outcomes, whereas judging whether a process is equitable or not is more open to interpretation. Furthermore, in practical terms, it is generally those who are in positions of power who are likely to be determining at a societal level what is equitable and what is not, with respect to the allocation of resources necessary for health. For example, in some countries where women are particularly disenfranchised, those in power have argued that conditions for women in their countries are not unfair but rather are appropriate given the different capacities and roles of men and women; similar arguments have been used to justify racial/ethnic

discrimination.<sup>64–66</sup> In such contexts, equality is a crucial reference point in attempts to achieve greater equity in health.

Furthermore, the notion of equal opportunities to be healthy is fundamental to the concept of equity in health and closely linked with the concept of equal rights to health. The notion of equal opportunities to be healthy is grounded in the human rights concept of non-discrimination and the responsibility of governments to take the necessary measures to eliminate adverse discrimination—in this case, discrimination in opportunities to be healthy in virtue of belonging to certain social groups. A selective concern for worse off social groups is not discriminatory; it reflects a concern to reduce discrimination and marginalisation. Equal opportunity to be healthy refers to the attainment by all people of the highest possible level of physical and mental wellbeing that biological limitations permit, noting that the consequences of many biological limitations are amenable to modification. For example, the functional limitations associated with many physical handicaps can be markedly changed with basic measures (such as providing wheelchairs, installing protective railings, or providing physical training to increase mobility and strength); similarly, the degree of impairment associated with many psychological and physical conditions is highly related to the degree of social stigmatisation or acceptance of people with those conditions.<sup>67 68</sup>

According to human rights principles, all human rights are considered inter-related and indivisible.<sup>69 70</sup> Thus, the right to health cannot be separated from other rights, including rights to a decent standard of living and education as well as to freedom from discrimination and freedom to participate fully in one's society. Equalising opportunities to be healthy requires addressing the most important social and economic determinants of health, including, as stated earlier, not only health care but also living conditions in households and communities, working conditions, and policies that affect any of these factors. Concern for equal opportunities to be healthy is the basis for including within the definition of equity in health the absence of systematic social disparities not only in health status but in its key social determinants.

### EASE OF AVOIDABILITY SHOULD NOT BE A CRITERION FOR INEQUITY

The 1990 *Concepts and principles* paper<sup>1</sup> defined inequity in health as inequalities in health that are unjust, unfair and avoidable. That definition has been very helpful in giving the abstract notion of equity meaning in terms that most people understand and recognise as a widely shared social value. However, we recommend that avoidability *not* be used as a criterion to define equity in health, for two reasons. Firstly, including this criterion is unnecessary, because unjust and unfair imply avoidability. Secondly, certain health inequities may be extremely challenging to tackle because they require fundamental changes in underlying social and economic structures; one would not want the ease of avoidability to be a measure of the degree of inequity. Furthermore, using avoidability as a criterion introduces but begs the question: avoidable by whom? Is a given health disparity that adversely affects already disadvantaged groups in a poor country considered to be avoidable by the groups adversely affected, by their community, by government—and at what level—and/or by the international community?

Thus, in defining equity in health, avoidability should only be invoked in so far as injustice and unfairness imply avoidability. The degree to which an inequitable health disparity is avoidable does, however, have important practical implications for efforts to achieve greater equity, in that it will generally be easier to mobilise public opinion and policies to address disparities that are more clearly and easily recognisable as avoidable, particularly those that can be achieved more quickly, at lower cost and with less challenge to underlying

social and economic structures. This is a pragmatic consideration and should not be considered a fundamental component of the definition of equity.

### CAUSAL ASSUMPTIONS

According to the definition of equity proposed here, a health disparity is inequitable if it is systematically associated with social disadvantage in a way that puts an already disadvantaged social group at further disadvantage. In addition, it must be reasonable based on current scientific knowledge to believe that social determinants could play an important part in that disparity at one or more points along the causal pathways leading to it; that is, that at least one factor associated with social disadvantage is causally connected with at least one factor associated (directly or indirectly) with the specified health condition or determinant. This does not, however, require definitive understanding of the most proximate—that is, immediate cause(s), the causes most amenable to intervention, or the entire causal pathway(s) explaining a health disparity between social groups. The causes of health disparities between more and less advantaged groups are likely to be complex and multifactorial, and may not be clearly or immediately linked to underlying differences in social advantage. A health disparity between more and less advantaged population groups constitutes an inequity *not* because we know the proximate causes of that disparity and judge them to be unjust, but rather because the disparity is strongly associated with unjust social structures; those structures systematically put disadvantaged groups at generally increased risk of ill health and also generally compound the social and economic consequences of ill health.

Given the complex and multifactorial nature of the causal pathways leading from underlying social determinants to most health disparities, causal assumptions should not be made based on observed associations between particular measures of social advantage and any given health outcome. For example, when a particular health disparity in a society is systematically seen across income groups, the underlying causal differences could be in factors associated with income rather than in income itself; thus, it would be a mistake to assume that efforts focused only on equalising income would necessarily be effective in reducing that particular inequity.

### DO THE DEFINITIONS REALLY MATTER?

In practice, different social, political, economic and cultural contexts, will undoubtedly suggest the need for different ways of defining and explaining equity. However, clarity is required to determine when different definitions represent substantially different paradigms, and the implications of adopting these different paradigms in particular contexts. As noted earlier, people often use the term *health inequalities* in what may be an effort to avoid the judgmental or moral connotations that may be associated with *health inequities*. *Health inequalities* is less cumbersome than *social inequalities in health*, the latter term also often used as a more succinct way of referring to inequalities in health between more and less advantaged social groups. We believe that using these more concise terms will not be problematic so long as there is clarity as to how they are being used—that is, that both *health inequalities* and *social inequalities in health* mean inequalities in health or its social determinants, between more and less advantaged social groups, favouring the already more advantaged groups. When using the more abbreviated expressions, one must be clear that equity, at least as understood here and in the vast majority of the literature, cannot be assessed without comparing how better off and worse off social groups are faring in relation to each other. The importance of clarity regarding these concepts is illustrated by a recent debate.

### Key points

- A definition of equity in health is needed that can guide measurement and hence accountability for the effects of actions.
- Health equity is the absence of systematic disparities in health (or its social determinants) between more and less advantaged social groups.
- Social advantage means wealth, power, and/or prestige—the attributes defining how people are grouped in social hierarchies.
- Health inequities put disadvantaged groups at further disadvantage with respect to health, diminishing opportunities to be healthy.
- Health equity, an ethical concept based on the principle of distributive justice, is also linked to human rights.

The World Health Organisation's (WHO) *World Health Report* for the year 2000<sup>71</sup> made a welcome argument for the importance of assessing health not only by average levels but also by examining its distribution. However, the report examines the distribution of health by measuring what it refers to as "pure health inequalities," disparities in health between ungrouped individuals, in contrast with examining differences between social groups.<sup>33–35</sup> The total magnitude of health differences among all individuals is assessed, but there are no comparisons of health among different social groups. Thus, the WHO measure compares the health of healthier people with the health of sicker people within a country, but does not, for example, compare the health of wealthier people with the health of poorer ones, the health of different ethnic groups with each other, or health care for men and women with similar health conditions. Nevertheless, most audiences naturally assume that work on *health inequalities* is work on health equity.

The measurement of health disparities without respect to how the disparities are distributed socially is not a measure of equity and does not reflect fairness or justice with respect to health.<sup>2 36 37 72 73</sup> If countries or organisations use this WHO measure rather than established measures of health equity (reviewed comprehensively in Mackenbach and Kunst<sup>74</sup> and Wagstaff *et al*<sup>75</sup>), they will be unable to monitor differences in health and health care between the rich and the poor or between more and less privileged racial/ethnic groups or to make appropriate comparisons with respect to gender. Without such comparisons between identifiable social groups, it will not be known who is benefiting most or least from policies affecting health and therefore how best to target interventions or redistribute resources to achieve greater health equity.<sup>36 37</sup> Thus, *the choice of definition for equity in health matters because of the implications for the utility of measurement*.

### CONCLUSION

Equity in health is an ethical value, inherently normative, grounded in the ethical principle of distributive justice and consonant with human rights principles. Like most concepts, equity in health cannot be directly measured, but we have proposed a definition of equity in health that can be operationalised based on meaningful and measurable criteria. In operational terms, and for the purposes of measurement, equity in health can be defined as the absence of disparities in health (and in its key social determinants) that are systematically associated with social advantage/disadvantage. Health inequities systematically put populations who are already socially disadvantaged (for example, by virtue of being poor, female, or members of a disenfranchised racial, ethnic, or religious group) at further disadvantage with respect to their health.

While equity and equality are distinct, the concept of equality is indispensable in operationalising and measuring health

equity. Equity in health means equal opportunity to be healthy, for all population groups. Equity in health thus implies that resources are distributed and processes are designed in ways most likely to move toward equalising the health outcomes of disadvantaged social groups with the outcomes of their more advantaged counterparts. This refers to the distribution and design not only of health care resources and programmes, but of all resources, policies, and programmes that play an important part in shaping health, many of which are outside the immediate control of the health sector.

Awareness of the need for greater clarity about the definition of health equity has arisen in the context of a recently proposed approach to the measurement of health inequalities that does not reflect how health is distributed across different social groups.<sup>33-37</sup> Not all health inequalities necessarily reflect inequity in health, which implies unfair processes in the distribution of resources and other conditions that affect health. Assessing health equity requires comparing health and its social determinants among more and less advantaged social groups. Without that information, we will be unable to assess whether policies and programmes are leading toward or away from greater social justice in health.

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