When measures are taken to address health disparities, equity is achieved.



Social determinants of health: the conditions in which people are born, grow, live, work and age^{4,5}



Physical environment, safety, housing, transport, access to safe drinking water, green spaces, leisure facilities and clean air



Economics

Occupation and employment status, income, debt, medical bills



Education

Schooling, higher education and training, literacy, languages



Socia

Social support systems, discrimination, community inclusivity, stress, exposure to violence / trauma



Healt

Access, quality, cultural competency of providers



Fo

Food security, nutrition

Abbreviations: LGBTQIA, lesbian, gay, bisexual, transgender, queer, intersex and asexu **FDA**, Food and Drug Administration; **WHO**, World Health Organization.

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Health Equity





1. Definition & underlying factors

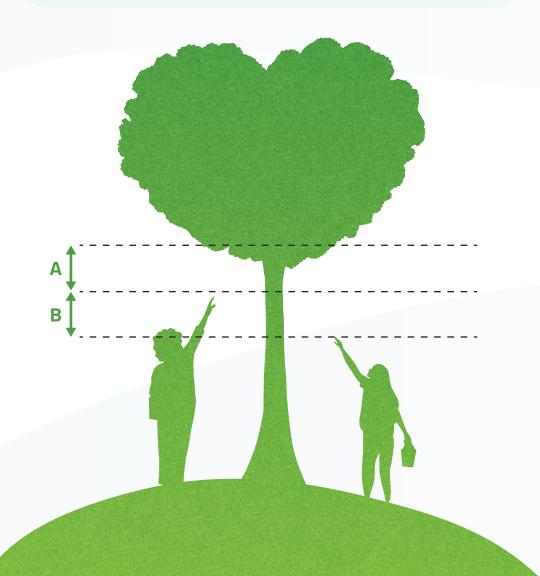
According to WHO, equity is the absence of avoidable, unfair or remediable differences among groups of people, whether those groups are defined socially, economically, demographically, geographically, or by other means of stratification.1

A. Health disparities

Differences in health related to social, economic, and environmental disadvantage³

B. Health inequities

Differences in health are that are unnecessary and preventable, and can be avoided by reasonable means²



2. Inequity by the numbers

LGBTQIA+ community

Sexual orientation can have an impact on health risks.⁶

In a survey of LGBTQIA+ youth:6



90% had reservations about reporting their sexual orientation to

their clinician

In a systematic review:⁷



of rural physicians

feel "uncomfortable" treating gay or lesbian patients

Gender



More women than men die of cardiovascular disease annually **in the United States**, but less than 20% of physicians are aware of this fact.8

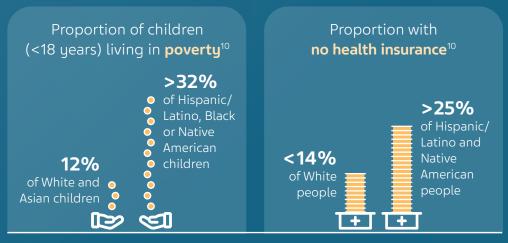
Physicians are more likely to **assign** women with cardiovascular disease to **lower-risk** categories than men.8

Ethnicity

of Black Americans experience discrimination in clinical encounters9

of Black Americans avoid seeking healthcare for expectation of discrimination^s

In the United States, health inequities are linked to systemic racism¹⁰



3. Inequity in research

Representative clinical trials

Better prediction of real-world patient populations and contribution to improved patient outcomes¹¹



Without a representative sample, the **predictivity**, generalizability, and external validity of a trial are at risk¹²



Clinical trials are often not representative of all racial and ethnic groups



There is also lack of representation in the **investigators** and **study staff** who coordinate these trials, which can lead to distrust and hesitancy from potential participants in racial and ethnic minority groups.¹³

Groups that are under-served & barriers to representation in clinical research 18



Demography

Women of childbearing age Members of the LGBTOIA+

Socioeconomic Unemployed/low-income

Remote location Language barriers Marginalized/stigmatized

Health status Mental health Learning disabilities Physical disabilities

Health equity at the FDA

In 2010, the FDA established the Office of Minority Health and Health Equity (OMHHE), which aims to promote and protect the health of diverse populations through three main goals14,15



Increase the amount of clinical trial data available on racial and Strengthen the FDA's ability to respond to minority health concerns

Promote health and safety communication to minority populations

Statistics



Clinical trial representation in 2018: 18.5% >90% of clinical trial participants! ■ Black Americans^{17,18} ■ Hispanic Americans^{17,18} ■ non-Hispanic white Americans¹⁸ ■ Others