

Social Determinants of Health: Definitions &

Frameworks

Mia T. Chandler, MD, MPH 1/22/2023

Presentation Overview

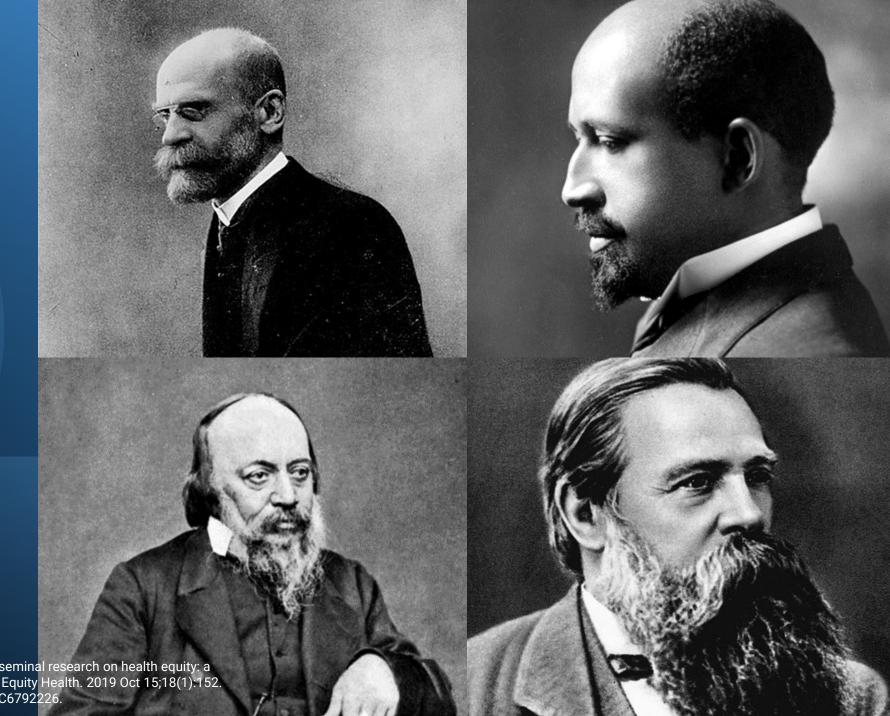
- Definition and History of Health Equity and Social Determinants of Health Research
- Health Equity and Social Determinants of Health Frameworks
- Application of Health Equity/SDoH Frameworks

Health Equity

"The absence of unfair and avoidable or remediable differences in health among population groups defined socially, economically, demographically or geographically"

The History

Authors of Foundational Works

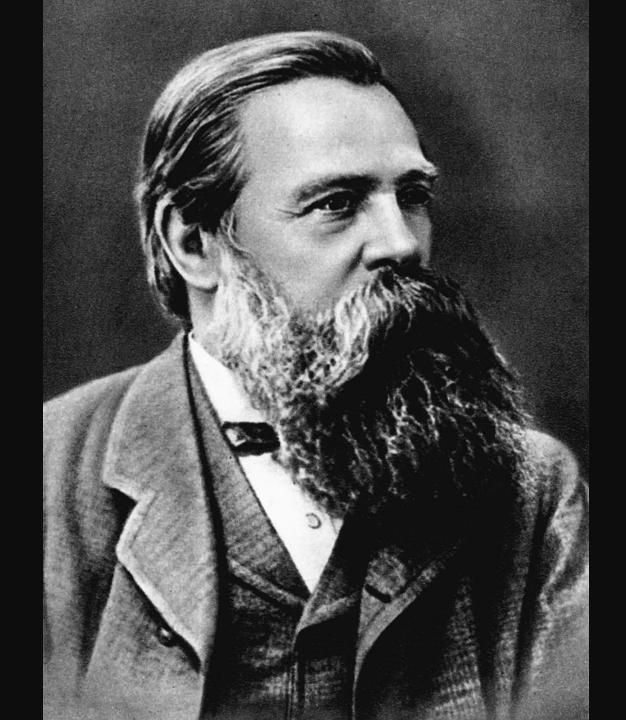


Yao Q, Li X, Luo F, Yang L, Liu C, Sun J. The historical roots and seminal research on health equity: a referenced publication year spectroscopy (RPYS) analysis. Int J Equity Health. 2019 Oct 15;18(1):152. doi: 10.1186/s12939-019-1058-3. PMID: 31615528; PMCID: PMC6792226.

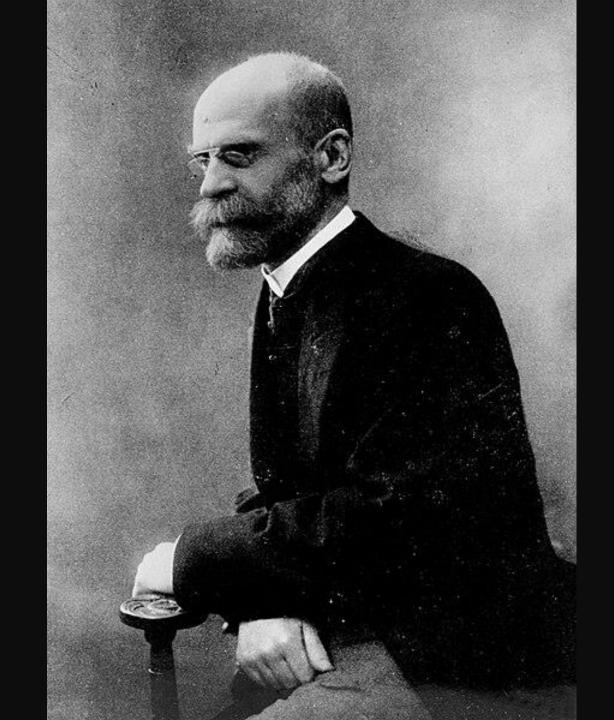
• 1842 Edwin Chadwick Report on the Sanitary Condition of the Labouring Population of Great Britain: supplementary report on the results of special inquiry into the practice of interment in towns



• 1845 **Friedrich Engels** The condition of the working class in England.



• 1897 **Émile Durkheim** Le suicide



• 1899 **WEB Du Bois** The Philadelphia Negro: a social study



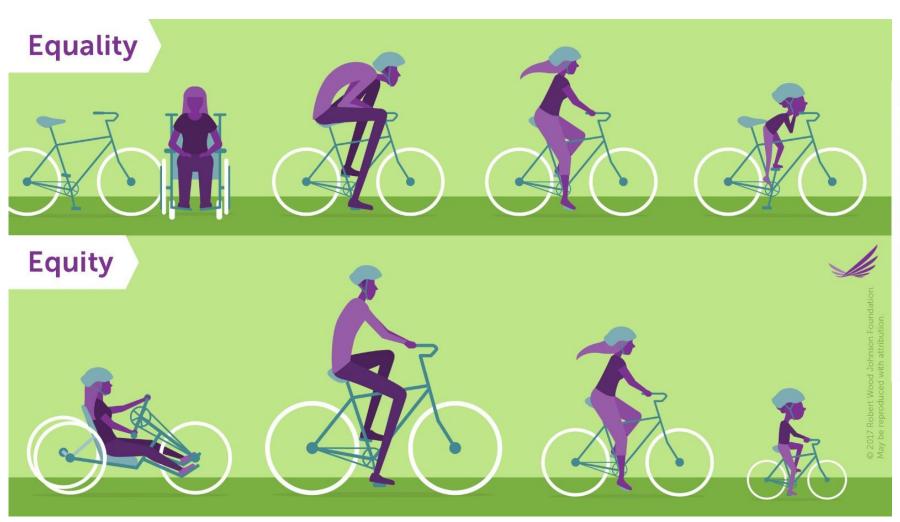
Health Disparity

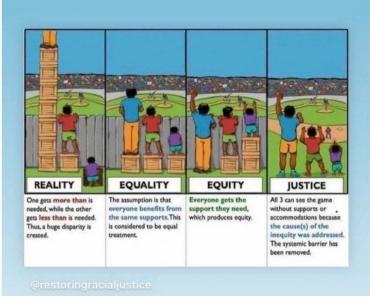
Key Terms

Health Inequality

Health Inequity

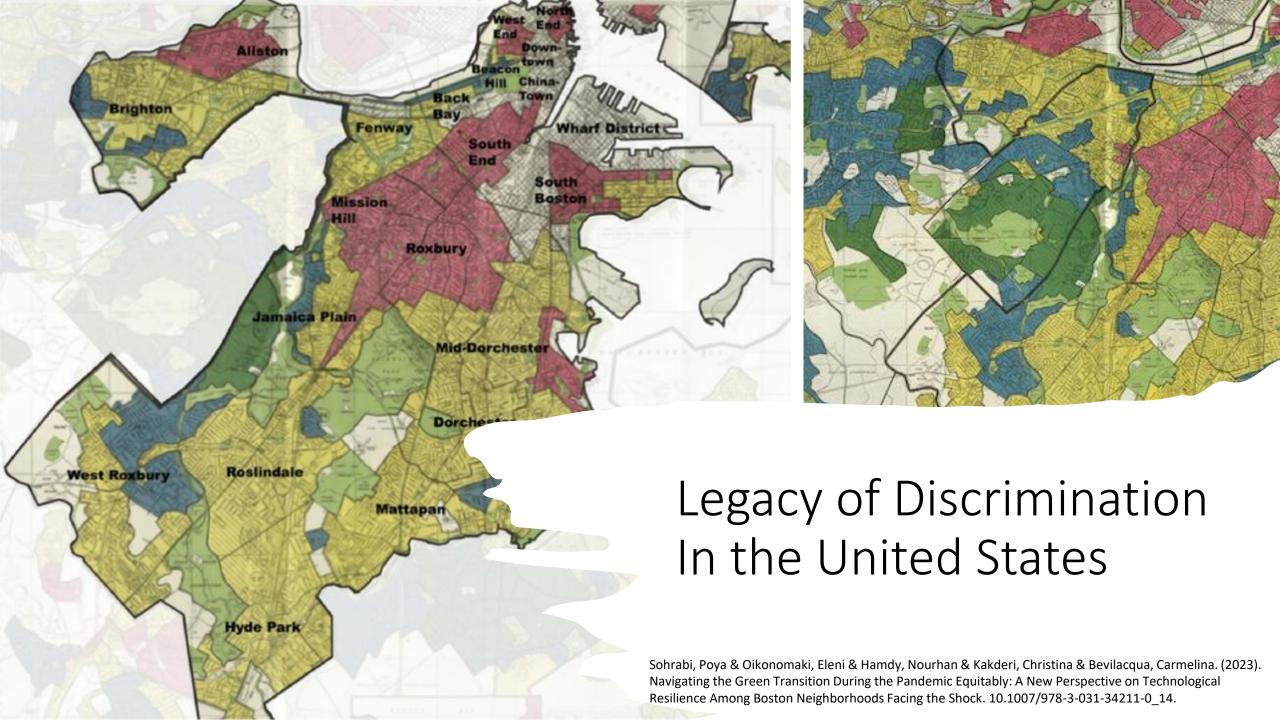
Disparity vs Inequity

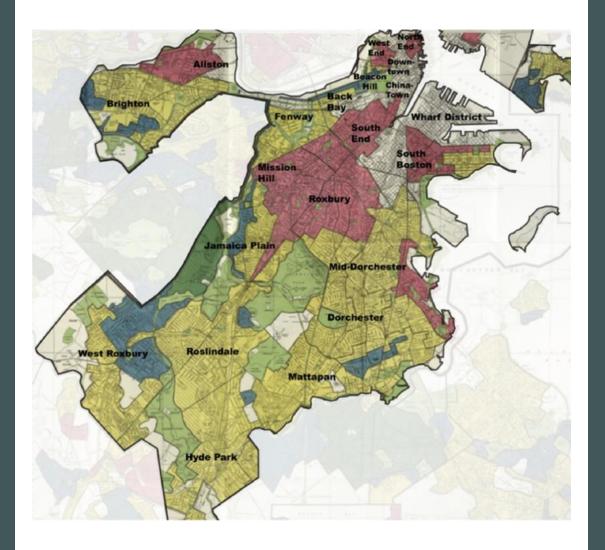


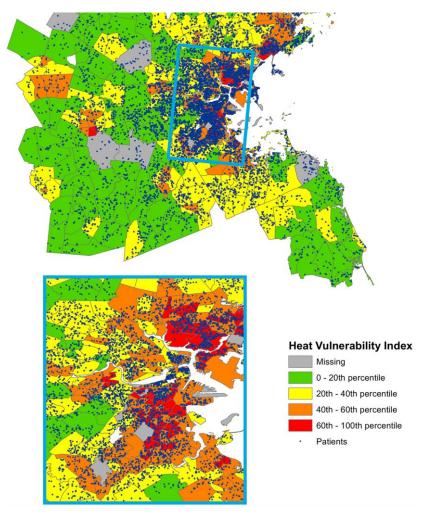


Social Determinants of Health

"The social determinants of health (SDH) are the non-medical factors that influence health outcomes. They are the conditions in which people are born, grow, work, live, and age, and the wider set of forces and systems shaping the conditions of daily life. These forces and systems include economic policies and systems, development agendas, social norms, social policies and political systems."

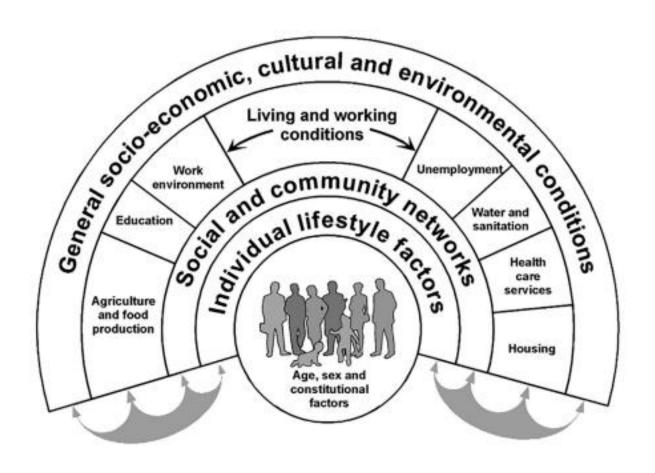




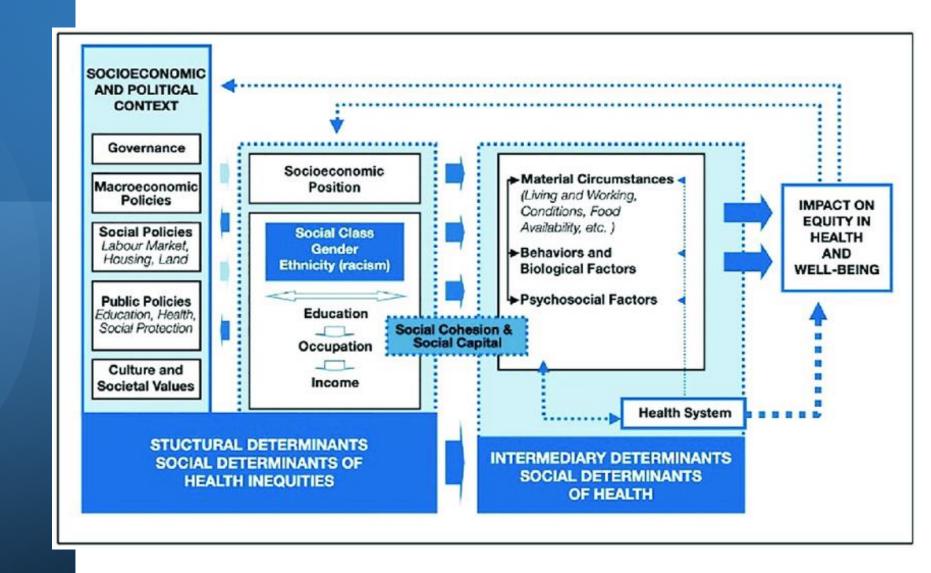


Santacroce L, Dellaripa PF, Costenbader KH, Collins J, Feldman CH. Association of Area-Level Heat and Social Vulnerability With Recurrent Hospitalizations Among Individuals With Rheumatic Conditions. Arthritis Care Res (Hoboken). 2023 Jan;75(1):22-33. doi: 10.1002/acr.25015. Epub 2022 Oct 12. PMID: 36071609; PMCID: PMC9947700.

Dahlgren-Whitehead Model



WHO
Conceptual
Framework for
Action on the
Social
Determinants of
Health 2010



Solar O, Irwin A. A conceptual framework for action on the social determinants of health. Social Determinants of Health Discussion Pater 2 (Policy and Practice. Geneva, WHO, 2010

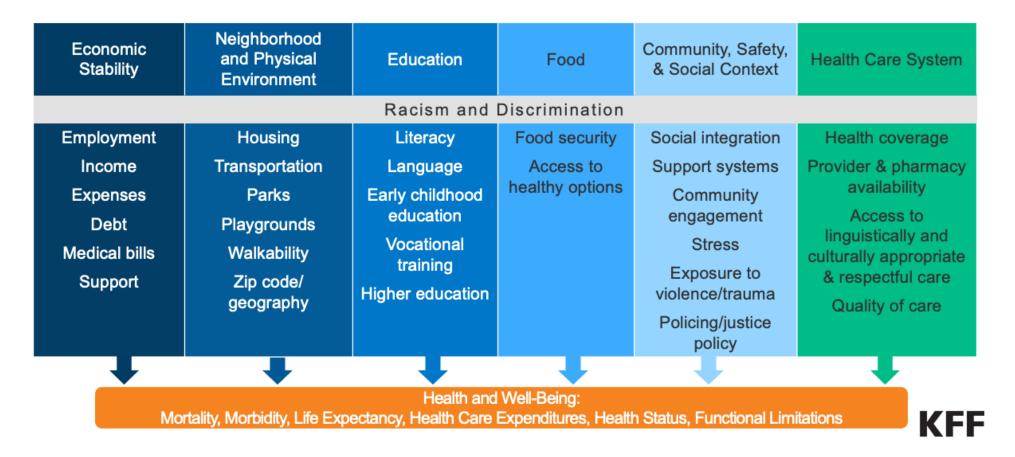
Healthy People 2030

Social Determinants of Health





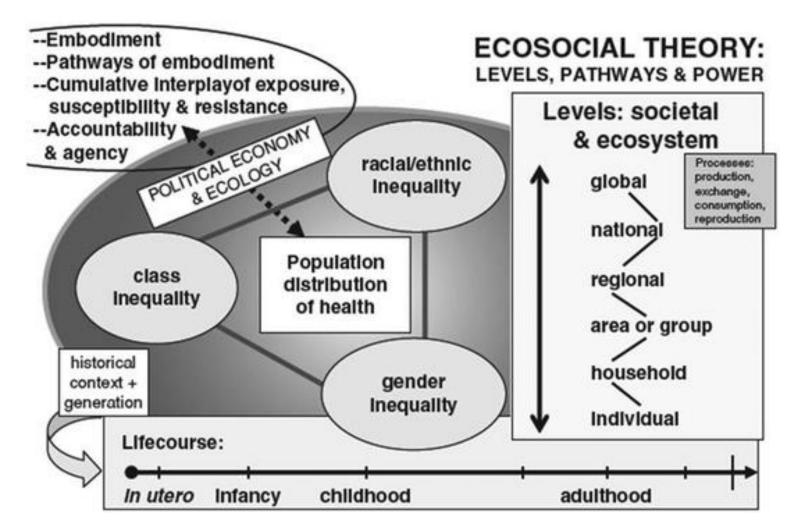
Kaiser Family Foundation Framework of Social and Economic Drivers of Inequity (Disparities)



National Institute on Minority Health and Health Disparities Research Framework

		Levels of Influence*			
		Individual	Interpersonal	Community	Societal
Domains of Influence (Over the Lifecourse)	Biological	Biological Vulnerability and Mechanisms	Caregiver-Child Interaction Family Microbiome	Community Illness Exposure Herd Immunity	Sanitation Immunization Pathogen Exposure
	Behavioral	Health Behaviors Coping Strategies	Family Functioning School/Work Functioning	Community Functioning	Policies and Laws
	Physical/Built Environment	Personal Environment	Household Environment School/Work Environment	Community Environment Community Resources	Societal Structure
	Sociocultural Environment	Sociodemographics Limited English Cultural Identity Response to Discrimination	Social Networks Family/Peer Norms Interpersonal Discrimination	Community Norms Local Structural Discrimination	Social Norms Societal Structural Discrimination
	Health Care System	Insurance Coverage Health Literacy Treatment Preferences	Patient-Clinician Relationship Medical Decision-Making	Availability of Services Safety Net Services	Quality of Care Health Care Policies
Health Outcomes		A Individual Health	Family/ Organizational Health	合 Community 合合 Health	Population Health

Kreiger's Ecoscocial Theory of Disease

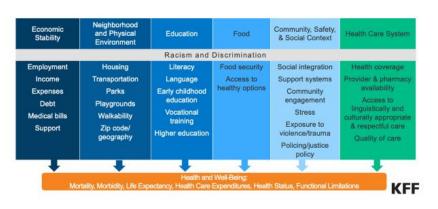


Krieger, Nancy, 'Ecosocial Theory of Disease Distribution: Embodying Societal & Ecologic Context', Epidemiology and the People's Health: Theory and Context (2011; online edn, Oxford Academic, 1 May 2011), https://doi.org/10.1093/acprof:oso/9780195383874.003.0007, accessed 21 Jan. 2024.

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Kaiser Family Foundation Framework of Social and Economic Drivers of Inequity (Disparities)

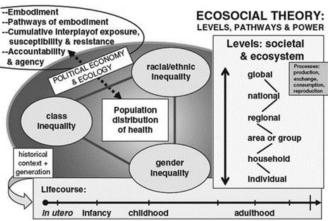


Kreiger's Ecoscocial Theory of Disease

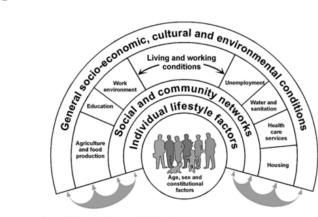
Social Determinants of Health



Social Determinants of Health
Copyright-free Healthy People 2030



Dahlgren-Whitehead Model



Source: adapted from Dahlgren and Whitehead, 1991

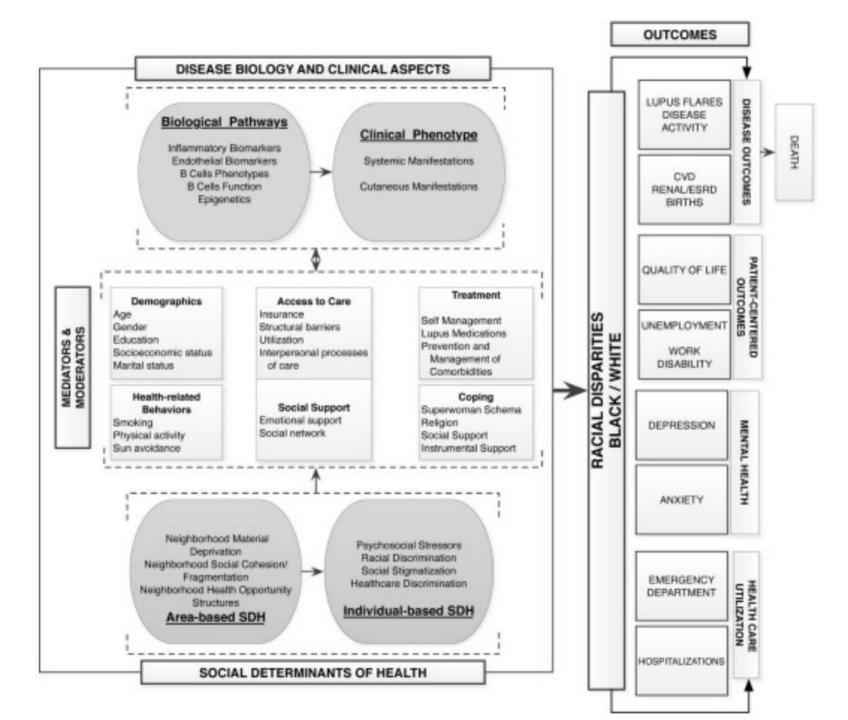


Lim SS, Drenkard C. Understanding Lupus Disparities Through a Social Determinants of Health Framework: The Georgians Organized Against

Nov;46(4):613-621. doi: 10.1016/j.rdc.2020.07.002. Epub 2020 Sep 9.

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PMID: 32981639.



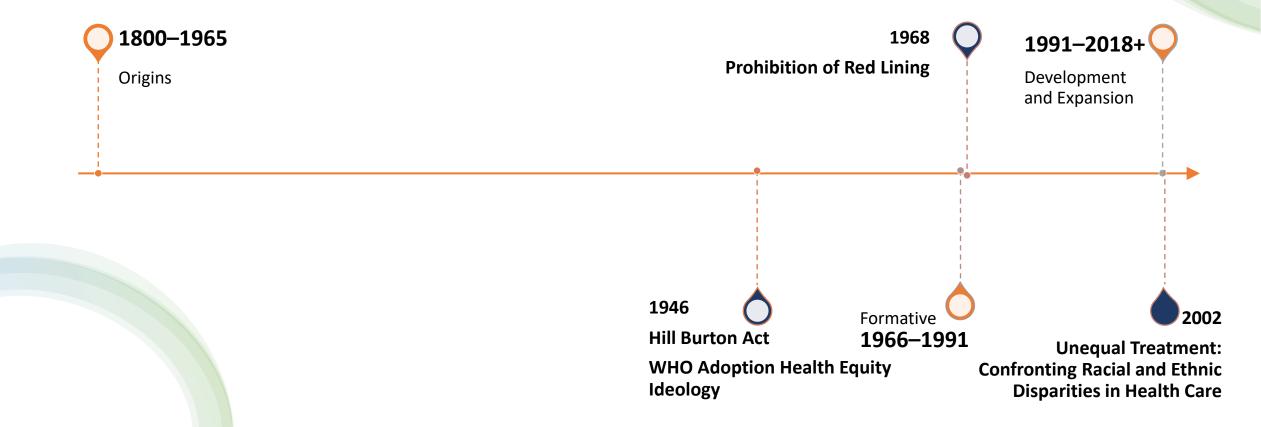


Major Domain	Category	Measure
Disparities	Demographics	Age, sex, race, socioeconomic status, education
Themes	Geographic and neighborhood factors	Material depravation, social cohesion/fragmentation, neighborhood opportunity structures
	Social stressors and barriers	Discrimination, stigma (disease-related), neighborhood domains, financial strain, childhood trauma, self-perceived stress, experiences of prison
	Social support	Emotional, Informational, Instrumental
	Health-related behaviors	Smoking, drinking, physical activity, eating habits, sleep disorders, preventive care Coping mechanisms, social isolation, religion, spirituality

Recap

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Perspective: Stages of Health Equity Research



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