

Suggested readings for: Krieger N. Grounded in history & place: Critical science for health justice & the people's health. Invited presentation, CUNY GC Stone Center Inequality Workshop Videos. August 30, 2022. (virtual).

Ecosocial theory, embodied histories, populations, & health inequities

- Krieger N. *Ecosocial Theory, Embodied Truths, and the People's Health*. New York: Oxford University Press, 2021.
- Krieger N. *Epidemiology and the People's Health: Theory and Context*. New York: Oxford University Press, 2011.
- Krieger N. Epidemiology and the web of causation: has anyone seen the spider? *Soc Sci Med* 1994; 39:887-903.
- Krieger N. Theories for social epidemiology in the 21st century: an ecosocial perspective. *Int J Epidemiol* 2001; 30:667-677.
- Krieger N. Got theory? – on the 21st c CE rise of explicit use of epidemiologic theories of disease distribution: a review and ecosocial analysis. *Current Epidemiol Reports* 2014;1(1):45-56.
- Krieger N. Embodiment: a conceptual glossary for epidemiology. *J Epidemiol Community Health* 2005; 59:350-355.
- Krieger N. Who and what is a "population?" Historical debates, current controversies, and implications for understanding "population health" and rectifying health inequities. *Milbank Quarterly* 2012; 90:634-681.
- Krieger N. The real ecological fallacy: epidemiology and global climate change. *J Epidemiol Community Health*. 2015 Aug;69(8):803-4. doi: 10.1136/jech-2014-205027. Epub 2014 Nov 17
- Krieger N. History, biology, and health inequities: emergent embodied phenotypes & the illustrative case of the breast cancer estrogen receptor. *Am J Public Health* 2013; 103:22-27.

Concepts and methods for analyzing relationships between structural racism & health

- Krieger N. Structural racism, health inequities, and the two-edged sword of data: structural problems require structural solutions. *Frontiers Public Health* 2021; 9:301; <https://doi.org/10.3389/fpubh.2021.655447>
- Krieger N. From structural injustice to embodied harm: measuring racism, sexism, heterosexism, and gender binarism for health equity studies. *Annu Rev Public Health* 2020; 41:37-62. <https://www.annualreviews.org/doi/pdf/10.1146/annurev-pubhealth-040119-094017>
- Krieger N. **ENOUGH:** COVID-19, structural racism, police brutality, plutocracy, climate change – and time for health justice, democratic governance, & an equitable sustainable future. *Am J Public Health* 2020; 110(11):1620-1623. <https://ajph.aphapublications.org/doi/10.2105/AJPH.2020.305886>
- Krieger N. Discrimination and health inequities. In: Berkman LF, Kawachi I, Glymour M (eds). *Social Epidemiology*. 2nd ed. New York: Oxford University Press, 2014; 63-125.
- Krieger N. Methods for the scientific study of discrimination and health: from societal injustice to embodied inequality – an ecosocial approach. *Am J Public Health* 2012; 102:936-945.
- Krieger N. Breaking through and backlash: advancing awareness about racism, sexism, social class, and the people's health. *Am J Prev Med* 2022; 62(6):807-813.
- Krieger N, Rowley DL, Herman AA, Avery B, Phillips MT. Reprint of: Racism, sexism, and social class: Implications for studies of health, disease and well-being. *Am J Prev Med* 2022; 62(6):816-863. Reprinted from: *Am J Prev Med* 1993; 9(6 suppl):82-122.

Structural racism, Jim Crow & cancer and other health outcomes

- Krieger N, Chen JT, Coull B, Waterman PD, Beckfield J. The unique impact of abolition of Jim Crow laws on reducing health inequities in infant death rates and implications for choice of comparison groups in analyzing societal determinants of health. *Am J Public Health* 2013; 103:2234-2244.
- Krieger N, Chen JT, Coull BA, Beckfield J, Kiang MV, Waterman PD. Jim Crow and age-period-cohort analysis of premature mortality among the US black and white population, 1960-2009. *Epidemiology* 2014; 25:494-504.
- Krieger N, Jahn JL, Waterman PD. Jim Crow and estrogen-receptor negative breast cancer: US-born black & white non-Hispanic women, 1992-2012. *Cancer Causes Control* 2017; 28:49-59.
- Krieger N, Jahn JL, Waterman PD, Chen JT. Breast cancer estrogen receptor by biological generation: US black & white women, born 1915-1979. *Am J Epidemiol* 2018; 187:960-970.

Index of Concentration at the Extremes (ICE) and monitoring health inequities

- Krieger N, Waterman PD, Spasojevic J, Li W, Maduro G, Van Wye G. Public health monitoring of privilege and deprivation using the Index of Concentration at the Extremes (ICE). *Am J Public Health* 2016; 106: 256-253
- Krieger N, Waterman PD, Gryparis A, Coull BA. Black carbon exposure, socioeconomic and racial/ethnic spatial polarization, and the Index of Concentration at the Extremes (ICE). *Health & Place* 2015; 34:215-228.
- Krieger N, Feldman JM, Waterman PD, Chen JT, Coull BA, Hemenway D. Local residential segregation matters: stronger association of census tract compared to conventional city-level measures with fatal and non-fatal assaults (total and firearm related), using the Index of Concentration at the Extremes (ICE) for racial, economic, and racialized economic segregation, Massachusetts (US), 1995-2010. *J Urban Health* 2017; 94:244-258.
- Krieger N, Waterman PD, Batra N, Murphy JS, Dooley DP, Shah SN. Measures of local segregation for monitoring health inequities by local health departments. *Am J Public Health* 2017; 107:903-906.
- Krieger N, Kim R, Feldman J, Waterman PD. Using the Index of Concentration at the Extremes at multiple geographic levels to monitor health inequities in an era of growing spatial social polarization: Massachusetts, USA (2010-2014). *Int J Epidemiol* 2018; 47:788-819.
- Krieger N, Feldman JM, Kim R, Waterman PD. Cancer incidence and multilevel measures of residential economic and racial segregation for cancer registries. *JNCI Cancer Spectrum* 2018 Apr 25; 2(1):pky009.

Historical Redlining & health inequities

- Krieger N, Van Wye G, Huynh M, Waterman PD, Maduro G, Li W, Gwynn C, Barbot O, Bassett MT. Historical redlining, structural racism, and preterm birth risk in New York City (2013-2017). *Am J Public Health* 2020; 110(7):1046-1053.
- Krieger N, Wright E, Chen JT, Waterman PD, Huntley ER, Arcaya M. Cancer stage at diagnosis, historical redlining, and current neighborhood characteristics: breast, cervical, lung, and colorectal cancer, Massachusetts, 2001-2015. *Am J Epidemiol* 2020; 189(10):1065-1075.
- Wright E, Waterman PD, Testa C, Chen JT, Krieger N. Breast Cancer Incidence, Hormone Receptor Status, Historical Redlining, and Current Neighborhood Characteristics in Massachusetts, 2005-2015. *JNCI Cancer Spectrum* 2022; 6(2); <https://doi.org/10.1093/jncics/pkac016>; epub on-line: Feb 18, 2022.
- Lopez M, Rothstein R, YouTooCanWoo. *Segregated by Design*. (documentary video). April 2019. <https://www.segregatedbydesign.com/>

US Census, census tracts, & public health

- Krieger N. The US Census and the People's Health: Public Health Engagement From Enslavement and "Indians Not Taxed" to Census Tracts and Health Equity (1790-2018). *Am J Public Health*. 2019 Aug;109(8):1092-1100.
- Krieger N. A century of census tracts: health and the body politic (1906-2006). *J Urban Health* 2006; 83:355-361.
- US Census. Standard hierarchy of Census Geographic entities. <https://www2.census.gov/geo/pdfs/reference/geodiagram.pdf>
- US Census. Measuring race and ethnicity across the decades: 1790-2010. https://www.census.gov/data-tools/demo/race/MREAD_1790_2010.html
- US Census. Household Pulse Survey updates sex question, now asks about sexual orientation and gender identity. August 5, 2021. <https://www.census.gov/library/stories/2021/08/household-pulse-survey-updates-sex-question-now-asks-sexual-orientation-and-gender-identity.html>

Public Health Disparities Geocoding Project & related use of area-based social metrics (selected examples)

- Krieger N, Waterman PD, Chen JT, Rehkopf DH, Subramanian SV. The Public Health Disparities Geocoding Project Monograph. Available as of June 30, 2004 at: <http://www.hsph.harvard.edu/thegeocodingproject>.
- Krieger N, Chen JT, Waterman PD. Using the methods of the Public Health Disparities Geocoding Project to monitor COVID-19 inequities and guide action for health justice (May 15, 2020). <https://www.hsph.harvard.edu/thegeocodingproject/covid-19-resources/>
- Krieger N, Chen JT, Waterman PD, Rehkopf DH, Subramanian SV. Painting a truer picture of US socioeconomic and racial/ethnic health inequalities: the *Public Health Disparities Geocoding Project*. *Am J Public Health* 2005; 95:312-323.
- Krieger N. Overcoming the absence of socioeconomic data in medical records: validation and application of a census-based methodology. *Am J Public Health* 1992; 82:703-710.
- Krieger N, Waterman PD, Batra N, Murphy JS, Dooley DP, Shah SN. Measures of local segregation for monitoring health inequities by local health departments. *Am J Public Health* 2017; 107:903-906.

COVID-19 and US health inequities: selected publications [see: <https://www.hsph.harvard.edu/nancy-krieger/covid-19-publications/>]

Conceptual

- Krieger N. **ENOUGH:** COVID-19, structural racism, police brutality, plutocracy, climate change – and time for health justice, democratic governance, & an equitable sustainable future. *Am J Public Health* 2020; 110(11):1620-1623 (on-line advance access: August 20, 2020; published on-line: October 15, 2020).
- Krieger N, Gonsalves G, Bassett MT, Hanage W, Krumholz HM. The fierce urgency of now: closing glaring gaps in US surveillance data on COVID-19. *Health Affairs Blog*, April 14, 2020.
- Chotiner I. The interwoven threads of inequality and health. The coronavirus crisis is revealing the inequities inherent in public health due to societal factors, Nancy Krieger, a professor of social epidemiology, says. (Interview with Nancy Krieger). *The New Yorker*, April 14, 2020.
- Krieger N. COVID-19, data, and health justice. *To the Point*. Commonwealth Fund, April 16, 2020. <https://doi.org/10.26099/pz58-k702>

Empirical

- Krieger N, Waterman PD, Chen JT. COVID-19 and overall mortality inequities in the surge in death rates by ZIP Code characteristics: Massachusetts, January 1 to May 19, 2020. *Am J Public Health* 2020; 110(12):1850-1852 (Epub 2020 Oct 15).
- Chen JT, Krieger N. Revealing the unequal burden of COVID-19 by income, race/ethnicity, and household crowding: US county versus ZIP Code analyses. *J Public Health Manag Pract* 2021; 27(Suppl 1):S43-S56 (Epub 2020 Sept 9)
- Krieger N, Testa C, Waterman PD, Chen JT. Attack America's overlapping miseries: Why going big on relief is an economic, public health, and moral imperative. *New York Daily News*, February 17, 2021; **Error! Hyperlink reference not valid.** for detailed data, see Krieger et al HCPDS Working Paper Vol 21, No 2 (February 13, 2021): https://cdn1.sph.harvard.edu/wp-content/uploads/sites/1266/2021/02/21_krieger-et-al_C19HH-pulse_HCPDS_Vol-21_No-2_Final.pdf
- Krieger N, Testa C, Chen JT, Waterman PD, Hanage WP. A warning against using static US county-level community data to guide equity in COVID-19 vaccine distribution: temporal and spatial correlations of community characteristics with COVID-19 cases and deaths vary enormously and are increasingly uninformative. Harvard Center for Population and Development Studies Working Paper, Volume 20, Number 5, December 1, 2020. https://cdn1.sph.harvard.edu/wp-content/uploads/sites/1266/2020/12/20_Krieger-et-al_equity-in-vaccine-distribution_Volume-20_No-5_final.pdf
- Krieger N, Chen JT, Testa C, Waterman PD, Hanage WP. Political lean: a crucial variable for monitoring COVID-19 in the United States. Harvard Center for Population and Development Studies Working Paper, Volume 21, Number 5, October 8, 2021. <https://www.hsph.harvard.edu/population-development/harvard-pop-center-working-paper-series/>

Worldmapper & Oxfam & US economic inequality data

- "Worldmapper: Mapping Your World as You've Never Seen it Before" – original: <http://www.worldmapper.org/>; new: <http://www.worldmapper.limited/>
- Oxfam. *Profiting from Pain*. May 2022. <https://www.oxfam.org/en/research/profitng-pain>
- Inequality.org. Wealth inequality in the United States. 2022. <https://inequality.org/facts/wealth-inequality/>