Key Takeaways:

- Systems thinking is the study of complexity and the relationships and interactions among components of a system.
- Human factors is the study of how humans interact with a system, given that all errors have a human component and a system component.
- Systems thinking and human factors are tools that can be applied to help us better understand and address health inequities.
- Health inequities exist today because of historical events that disadvantaged and harmed certain communities.
- Structural factors such as housing, education, and income contribute to and perpetuate health inequities.

Further Reading:	
Systems Thinking	Stacey, Ralph (1992). Managing the Unknowable: Strategic Boundaries Between
	Order and Chaos in Organizations. Jossey Bass Business and Management Series.
	Process Automation Guide: Process Variables
Human Factors	Smith, Dr. David J. "Reliability and Maintainability and Risk," Extracts from Appendix 6, 7 th Edition, Elsevier 2005.
	WHO Safety Curriculum: What is human factors and why is it important to patient safety?
	Reason, James (1997). <i>Managing Risks of Organizational Accidents</i> . Ashgate Publishing Limited, Aldershot, UK.
	Smith-Jackson and Wogalter (2000). "Applying Cultural Ergonomics/Human Factors to Safety Information Research." Proceedings of the IEA 2000/HFES 2000 Congress.
Historical Case Examples	U.S. National Library of Medicine, "Native Voices" Timeline:
	https://www.nlm.nih.gov/nativevoices/timeline/543.html
	Cured documentary trailer: https://www.cureddocumentary.com/
	Toward a More Perfect Union: Understanding Systemic Racism and Resulting
	Inequity in Latino Communities: https://www.unidosus.org/wp-
	content/uploads/2021/08/unidosus systemicracism executivesummary.pdf
	Systemic Racism, Disparities & COVID-19: Impacts on Latino Health Infographic
	Krishnan L, et al. "Historical Insights on Coronavirus Disease 2019 (COVID-19), the
	1918 Influenza Pandemic, and Racial Disparities: Illuminating a Path Forward," Ann
	Int Med, 15 Sep, 2020.
	Gee, G. C., & Ford, C. L. (2011). Structural Racism and Health Inequities: Old Issues,
	New Directions. Du Bois review: social science research on race, 8(1), 115–132.
	Camara Phyllis Jones, Invited Commentary: "Race," Racism, and the Practice of
	Epidemiology," American Journal of Epidemiology, 15 Aug. 2001;154(4):299–304.
	Zinzi D, et al. How Structural Racism Works — Racist Policies as a Root Cause of U.S.
	Racial Health Inequities. NEJM 2021; 384:768-773.
Contributing Factor to	"Systemic Racism Explained" redlining video: https://youtu.be/YrHIQIO bdQ
Inequities	Cerdeña, JP et al. "From race-based to race-conscious medicine: how anti-racist
	uprisings call us to act" The Lancet, 396(10257):1125-28.
	Federal Reserve Board, 2019 Survey of Consumer Finances
	CDC Social Determinants of Health





