Date	Speaker	Title	OBJECTIVES	RECORDING
January 16, 2023	**David Scales** (NYP-Weill Cornell)	*The Toxins We Carry: Tackling medical misinformation beyond COVID-19 vaccine hesitancy*	1. Recognize and define the spectrum of information disorder including mis/dis/malinformation; 2. Explain how environmental health metaphors provide a lens into the structure of our misinformation crisis; 3. Describe strategies to address misinformation in online forums that flow from our understanding of the structure of how misinformation flows online.	[Recording](#)
January 23, 2023	**CANCELLED - Zoom - Josiah Kephart** (Drexel)	*Climate change and health equity: extreme temperatures and mortality in highly urbanized Latin America*	1. Review the state of evidence on extreme temperatures and health globally and summarize differences in findings and strength of evidence between global regions; 2. Describe methods and findings from studies of extreme temperatures and cause-specific mortality in 326 Latin American cities; 3. Discuss knowledge gaps in climate change and health in low- and middle-income countries and the importance of context-specific analyses in understudied regions.	
January 30, 2023	**Zoom - Chanelle J. Howe** (Brown)	*Using Causal Diagrams to Study and Eliminate Racial Health Disparities*	1. Understand the difference between a health difference and a health disparity; 2. Understand that race is a social construct, rather than a biological variable, and how race	**N/A**

			can be incorporated into a causal diagram;	
			3. Understand how to depict mechanisms of racism as multilevel determinants of health in a causal diagram.	
February 13, 2023	**In-person - Laura Rosella** (UToronto)	*AI and Digital Technology: What does this mean for the future of epidemiology?*	1. Define Artificial Intelligence (AI) and Machine Learning (ML) in the context of epidemiology and public health; 2. Describe how advanced in AI/ML intersects with issues related to bias, health equity, surveillance and causal inference; 3. Summarize the building blocks needed to build capacity and mitigate concerns as AI applications in epidemiology grow.	**Recording**
February 20, 2023	**Zoom - Harlan Campbell** (UBC)	*Determining the lethality of COVID-19: Lessons for addressing bias and uncertainty in evidence synthesis*	1. Understand the various challenges of working with COVID-19 seroprevalence and mortality data and how these challenges can, to a certain degree, be addressed with Bayesian methods; 2. Discuss how the results of one's evidence synthesis analysis can be greatly impacted by which studies are included and which are excluded. It is therefore important to determine the how the uncertainty inherent in one's risk of bias assessment can impact parameter estimates; 3. Describe how the lethality of COVID-19 likely varies with	**Recording**

			population age, wealth, and other factors which remain poorly understood, even today.	
February 27, 2023	**NO SEMINAR - READING WEEK**			
TUESDAY, March 7, 2023	**RESCHEDULED - Zoom - Josiah Kephart** (Drexel)	*Climate change and health equity: extreme temperatures and mortality in highly urbanized Latin America*	1. Review the state of evidence on extreme temperatures and health globally and summarize differences in findings and strength of evidence between global regions; 2. Describe methods and findings from studies of extreme temperatures and cause-specific mortality in 326 Latin American cities; 3. Discuss knowledge gaps in climate change and health in low- and middle-income countries and the importance of context-specific analyses in understudied regions.	**Recording**
March 13, 2023	**Zoom - Eric Tchetgen Tchetgen** (UPenn)	*An Introduction to Proximal Causal Inference*	1. Reasoning about unmeasured confounding using proxies; 2. Nonparametric identification; 3. g-computation.	**Recording**
March 20, 2023	**In-person - Vasan Ramachandran** (UTexas SPH)	*How 'to health' at scale: Reflections in the post-pandemic era*	1. To understand concepts of structural and social determinants of health and their relations to health inequities and health disparities and the importance of structural competence; 2. To understand commercial and legal determinants of health	

			and their relations to health inequities and disparities; 3. To describe how to integrate social determinants of health into healthcare.	
March 27, 2023	**Zoom - Ali Rowhani** (UWashington)	*Gun Violence Epidemiology: Methodologic Challenges and Opportunities*	1. Describe challenges in measuring the burden of gun violence through surveillance; 2. Identify approaches to estimate gun ownership at different spatial units; 3. Explain the impact of restrictions in data availability on causal inference using gun violence as a case study.	**Recording**
April 24, 2023	**In-person - Sharrelle Barber** (Drexel)	*Embodied Racism. Embodied Resistance: Advancing Antiracism Scholarship and Solutions Beyond the Pandemic*	1. Define structural racism and its salience to racial health inequities in the United States and globally; 2. Examine empirical evidence linking racial residential segregation to racial health inequities in the U.S. and Brazil; 3. Provide insights on advancing antiracism scholarship and solutions beyond the pandemic with an emphasis on the role of organizers, activists, and movements.	**Reco**