

## WNAR Webinar

By Debashis Ghosh, Colorado School of Public Health  
*Overview and current directions in causal inference*

It is our great pleasure to announce the next lecture in the WNAR webinar series, to be given by our distinguished colleague Dr. Debashis Ghosh from the Colorado School of Public Health.

**Time: 9:00am - 10:00am PDT (12:00 PM - 1:00 PM EDT), Friday July 16, 2021**

**This is a free event and registration is required:**

<https://www.eventbrite.com/e/wnar-webinar-overview-and-current-directions-in-causal-inference-tickets-161543469867>

**Zoom Dial-in information and webinar link will be sent 24 hours before the event.**

**Abstract:** In the past two decades, causal inference has gained much attention in many areas, such as in epidemiological and biomedical studies. This has been spurred by the necessity to understand mechanistic effects of interventions in observational studies, where the treatments are assigned to the subjects in a non-randomized fashion. In this talk, we will provide a review of causal inference and the fundamental assumptions needed for identification. We will go over some methods of analysis, including propensity score adjustments, weighting and matching and highlight recent trends in those areas. Time permitting, we will talk about some recent work on generalizability and transportability of causal effects.

**Speaker Bio:** Debashis Ghosh is Professor and Chair of the Department of Biostatistics and Informatics at the Colorado School of Public Health. He was previously at Penn State University and the University of Michigan. His research interests are in machine learning methods and their application to a wide variety of problems in biostatistics and bioinformatics. He has over 230 publications in the scientific and statistical literature and is currently funded as a principal investigator by the National Science Foundation and the National Institutes of Health. Dr. Ghosh is a Fellow of the American Statistical Association and the 2014 recipient of the Mortimer Spiegelman Award from the American Public Health Association.

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