



SCHOOL OF PUBLIC HEALTH RESEARCH SEMINAR SERIES

SERtalk Portland— An Introduction to Quantitative Bias Analysis

Friday, November 1, 2019

12PM – 1PM

OHSU Richard Jones Hall 4340

Richard MacLehose, PhD

**Associate Professor, Division of Epidemiology and Community Health
University of Minnesota**

Epidemiologic studies are beset by multiple biases and while sound study design and analysis may reduce many of these biases, some are likely to persist. Quantitative bias analysis is a set of techniques that allow researchers to adjust for a source of bias, after the study was conducted. Simple bias analysis techniques can be used to adjust for selection bias, misclassification and uncontrolled confounding. In this talk, Dr. MacLehose will discuss simple bias analysis techniques as well as probabilistic bias analysis and Bayesian approaches that incorporate uncertainty in bias parameters as well.



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