



JOHNS HOPKINS  
BLOOMBERG  
SCHOOL of PUBLIC HEALTH

*Department of Biostatistics*

# BIOSTATISTICS SEMINAR

## THE WOMEN'S HEALTH INITIATIVE, COHORT STUDIES, AND THE POPULATION SCIENCE RESEARCH AGENDA

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### Abstract

Crucial issues for chronic disease prevention research agenda concern the study designs needed to obtain reliable information on preventive intervention effects and the adequacy of traditional sources of preventive intervention hypotheses. Settings in which intermediate outcome and clinical outcome randomized prevention trial data, and cohort study data, are simultaneously available provide an opportunity to examine the study design issue. The newer types of high-dimensional biologic data coming available offer an opportunity to invigorate the preventive intervention development enterprise. These approaches will be illustrated using data from the Women's Health Initiative clinical trial and cohort study on postmenopausal hormone therapy and on a low-fat eating pattern. Some recommendations on needed elements of the population science research agenda will conclude the presentation.

**The Johns Hopkins Bloomberg School of Public Health  
Department of Biostatistics  
Thursday, October 16, 2008  
Room W4030 School of Public Health  
4:00-5:00pm (Refreshments: 3:30)**

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