COLLOQUIUM

Time: Tuesday, January 24, 2017 (4:00 PM)
Location: Parker Hall 249

Secondary Analysis of Big Data in Health Research: Utilization and Applications

Dr. Wonsuk Yoo

Institute of Public and Preventive Health
Augusta University

Abstract

The secondary analysis of existing big data has become an increasingly popular method of enhancing the overall efficiency of the health research enterprise. Data collected on a national basis are particularly important in epidemiology and public health that focus primarily on the health of populations rather than of individuals. The benefits of secondary data analysis are clear but the barriers and limitations for those utilizations also exist. This presentation introduces the rationale and concept of the secondary analysis of existing data, and provide several practical applications effectively to utilize the benefits and usages from secondary data such as Surveillance, Epidemiology, and End Results (SEER), Behavioral risk factor surveillance system (BRFSS), database of genotypes and phenotypes (dbGaP), and Gene Expression Omnibus (GEO).