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Getting SMART about Adaptive Interventions in Clinical and Health Services Research

Monday, September 21, 2015
Time: 2:00pm-3:30pm
Biomedical Research Building (BRB) II/III Auditorium | 421 Curie Boulevard

Dr. Almirall is a Research Assistant Professor in the Survey Research Center of the Institute for Social Research at the University of Michigan. He is a statistician with expertise in developing, applying and disseminating statistical methods that can be used to study adaptive interventions using experimental and observational study data. An adaptive intervention is a sequence of individually tailored decision rules that specify whether, how or when to alter the intensity, type or delivery of treatment at critical decision points in the management of health disorders. Adaptive interventions lead to sequences of tailored treatments that respond to the evolving health status of the patient/client. Dr. Almirall is particularly interested in the application of sequential multiple assignment randomized trials (SMART) designs to build adaptive interventions and evaluate its components. He will present conceptual model of SMART designs with examples of studies in child and adolescent mental health (e.g., ADHD, autism), and introduce the idea of adaptive implementation interventions and the use of cluster-randomized SMART designs for their development.

Please RSVP with your name and email address to kathshea@upenn.edu.