Twelfth Annual Sentinel Initiative Public Workshop
Washington Plaza Hotel
10 Thomas Cir NW, Washington, DC 20005
April 21, 2020

Innovation Day Agenda

9:00 a.m. Welcome and Overview
Marta Wosińska, Duke-Robert J. Margolis, MD, Center for Health Policy

9:10 a.m. FDA Remarks
Robert Ball, U.S. Food and Drug Administration

9:20 a.m. Innovation Center Overview
Sebastian Schneeweiss, Brigham and Women’s Hospital and Harvard Medical School
Joshua Gagne, Brigham and Women’s Hospital and Harvard Medical School

9:35 a.m. Automating and Scaling Computable Phenotyping in Electronic Health Record Data
Objective: This panel will consider key challenges and opportunities for leveraging machine learning approaches – including natural language processing and unsupervised learning – to identify health outcomes more efficiently. The panel will focus on how computable phenotypes developed from electronic health record (EHR) data could reduce both the cost and time needed to define and validate a gold standard, as well as important methodological considerations and potential implications for Sentinel’s common data model.
Moderator: Lesley Curtis, Duke University
Speakers:
  • Katherine Liao, Brigham and Women’s Hospital
  • Michael Matheny, Vanderbilt University Medical Center
  • TBD

10:40 a.m. Break

10:50 a.m. Advanced Analytics for Sentinel’s Data-to-Decision-Making Pipeline: How to optimize the path from EHR data to meaningful regulatory inference
Objective: Real-world data (RWD) sources, including electronic health records, are providing new opportunities to inform regulatory decision-making at the Agency. However, because the primary use of these data sources is to support routine care delivery, careful considerations must be made to limit biases when conducting real-world safety and effectiveness analyses. This panel will explore emerging approaches and innovative methods to optimize and scale use of RWD throughout the data-to-decision-making pipeline.
Moderator: Jennifer Nelson, Kaiser Permanente
Speakers:
  • Keith Marsolo, Duke University
  • Xu Shi, University of Michigan
  • Mark van der Laan, University of California, Berkeley

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12:00 p.m. Closing Remarks and Adjournment
TBD, Harvard Medical School
TBD, Duke-Robert J. Margolis, MD, Center for Health Policy

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