Adjusting for post-randomization confounding and switching in phase III and pragmatic trials to get the estimands right: needs, methods, sub-optimal use, and acceptance in HTA

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Discussion Leaders:
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Amanda Adler, MD, PhD, FRCP

• Chair of NICE Technology Appraisal Committee B., UK
• Consultant Physician at Addenbrooks’s Hospital, Cambridge, UK

• Interests:
  – Diabetes, epidemiology

• Collaborations with
  – Medical Research Council (MRC) Epidemiology Unit at the University of Cambridge,
  – MRC Clinical Trials Unit at University College London,
  – MRC Population Health Research Unit at the University of Oxford
  – Institute of Health & Society at Newcastle University
Uwe Siebert, MD, MPH, MSc, ScD

- Chair, Dept. of Public Health, Health Services Research and Health Technology Assessment, UMIT, Austria
- Director, Division for HTA, Oncotyrol – Center for Personalized Cancer Medicine, Austria
- Adjunct Professor of Health Policy and Management, Harvard Chan School of Public Health, Boston
- Cardiovascular Research Program, Institute for Technology Assessment, Harvard Medical School

- Research interests:
  - Applying evidence-based quantitative methods to HTA
  - Causal inference in epidemiology, outcomes research, health economics, HTA
- Teaching
  - Epidemiology, Causal "big data" analysis
  - Health Decision Science
  - Health Technology Assessment

Nicholas Latimer, MSc, PhD

- Senior Research Fellow in Health Economics, School of Health and Related Research (ScHARR), The University of Sheffield, Sheffield, UK

- Research interests:
  - Incorporation of survival analysis in economic evaluations
  - Treatment switching adjustment methods
- Teaching
  - Economic Evaluation
  - Survival Analysis
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- Research interests:
  - Health Decision Science
  - Economic Evaluation
  - Epidemiology, Causal Evaluation in Large Dataset Analysis

- Teaching
  - Decision analysis, Epidemiology, Causal inference

Overview

- Amanda Adler
  Agency Perspective: Challenges to the decision maker

- Uwe Siebert
  Educational Perspective: The logic of causal inference

- Nicolas Latimer
  Scientific Perspective: Issues of adjustment methods, Misconceptions