AHRQ Effective Health Care Program
Clinical and Comparative Effectiveness Research Methods: II

June 1-2, 2009
John M. Eisenberg Building – Agency for Healthcare Research and Quality
AHRQ Conference Center - Rockville, Maryland

Provisional Symposium Agenda

Day 1, 2009

8:00 a.m. Continental Breakfast in Conference Room

8:30 a.m. **Welcome, Housekeeping, Goals for the Day**
Kathleen N. Lohr, PhD, RTI International

8:45 a.m. **AHRQ’s Role in Advancing Methods for Comparative Effectiveness Research**
Scott Smith, PhD, Agency for Healthcare Research and Quality. Moderator

9:00 a.m. **Background: Challenges for the Comparative Effectiveness Agenda**
Carolyn Clancy, MD, Agency for Healthcare Research and Quality

9:15 a.m. **Comparative Effectiveness Research: Future Directions**
Harold Sox, MD, Co-Chair, Institute of Medicine Committee

**Optimizing Clinical Heterogeneity and Longitudinal Outcomes—The Role of Study Design and Methods**

9:30 a.m. **Overview:** Jean-Paul Gagnon, PhD, Moderator

9:40 a.m. **Heterogeneity of treatment response: using patient-reported comorbidity in am a priori design of clinical trials**
Sheldon Greenfield, MD, University of California, Irvine

10:00 a.m. **Designs and Methods for Assessing Medication Exposures in the Frail Elderly**
Stephen Crystal, Ph.D., Rutgers University

10:20 a.m. Break

10:40 a.m. **Cluster Randomized Trials of Comparative Effectiveness in a Multi-Hospital System: A Case Study of MRSA Infection Prevention.**
Richard Platt, MD, MS, Harvard Pilgrim Health Care

11:00 a.m. **Practice-based Evidence: Study Design that Incorporates Clinical Heterogeneity and Patient-Reported Outcomes**
Susan D. Horn, PhD, Institute for Clinical Outcomes Research

11:20 a.m. Discussion and Audience Participation
12:00 noon: Lunch (Conference Room Foyer and Conference Room)

**Optimizing Clinical Heterogeneity and Longitudinal Outcomes—The Role of Study Design and Data Collection Methods (continued)**

1:30 p.m. **Overview:** Mitchell Sugarman, MBA, and Sue West, PhD, moderators

1:40 p.m. **Comparative Effectiveness and Safety of Depression Treatments in DARTNet Primary Care Practices** Anne Libby, PhD, and Robert Valuck, PhD, University of Colorado, Denver

2:00 p.m. **Building and Evaluating a Distributed Data Network Proof-of-Principle to Demonstrate Selected Functions of a Distributed Research Network** Jeffrey S. Brown, PhD, Harvard Pilgrim Health Care

2:20 p.m. **Identifying Hypertension in Electronic Health Records: A Comparison of Various Approaches** Nirav R. Shah, MD, MPH, Geisinger Health

2:40 p.m. Discussion and Audience Participation and Break

3:10 p.m. **Electronic Patient-Reported Data Capture as the Foundation of a Learning Cancer Clinic** Amy P. Abernethy, MD, Duke University

3:30 p.m. **Statistical Surveillance Techniques for Hip Arthroplasty: Integrating Data Sources of post-market information.** Sharon-Lise Normand, PhD, Harvard Medical School/School of Public Health

3:50 p.m. **Mitigating Systematic Measurement Error in Comparative Effectiveness Research in Heterogeneous Populations,** Adam C. Carle, PhD, University of North Florida

4:10 p.m. **Innovative Multi-Media Methods To Measure Patient-Reported Outcomes in People with Low Reading Ability.** Elizabeth A. Hahn, MA, Northwestern University

4:30 p.m. Discussion and Audience Participation

5:00 p.m. Adjourn for Free Time

Dinner on one’s own
Day 2, 2009

8:00 a.m. Continental Breakfast in Conference Room

8:25 a.m. Welcome for Day 2
   Kathleen N. Lohr, RTI International

Optimizing Clinical Heterogeneity and Longitudinal Outcomes: The Role of Statistical Techniques and Analytic Models

8:30 a.m. Overview: Thomas Trikalinos, MD, and Eric Johnson, PhD, Moderators

8:40 a.m. Secure Propensity-Score-based Pooling of Multiple Databases in a Study of the Safety of Biologics. Jeremy A. Rassen, Harvard Medical School

9:00 a.m. Using Mechanistic Models to Estimate Long-Term Outcomes in HIV Care and Simulate Comparative Effectiveness Trials of Therapy.
   Mark S. Roberts, MD, MPP, University of Pittsburgh

9:20 a.m. Methodologic Approaches for Predicting Disease Onset from Electronic Health Record Data: A Heart Failure Case Study Jason A. Roy, PhD., Geisinger Health System

9:40 a.m. Break (or use the time for Discussion and Audience Participation?)

10:00 a.m. Methods to Evaluate Benefits in the Presence of Competing Risks of Death or Adverse Events Ravi Varadhan, PhD, Johns Hopkins University

10:20 a.m. Variable Selection in the Presence of Uncontrolled Confounding
   Alan Brookhart, Partners.org

10:40 a.m. Comprehensive Risk Calculator for Type 2 Diabetes Using Electronic Medical Records Michael W. Kattan, PhD, Cleveland Clinic and Case Western Reserve University

11:00 a.m. Discussion and Audience Participation

11:30 a.m. Lunch

Comparative Effectiveness Research Methods: Policy and Practice Applications and Implications

12:15 p.m. Overview: Wade Aubry, MD, Moderator

12:25 p.m. Developing a Framework for Implantable Device Evaluation and Approaches to Improve the Methodology of Clinical Studies
   Art Sedrakyan, MD, PhD, Agency for Healthcare Research and Quality, Food and Drug Administration.

12:45 p.m. Framing Comparative Effectiveness Results to Support Innovative Coverage and Reimbursement Policies Steven D. Pearson, MD, MSc, Institute for Clinical and Economic Review
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<th>Time</th>
<th>Title</th>
<th>Speaker/Institution</th>
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<tr>
<td>1:25 p.m.</td>
<td>Bayesian Meta-Analysis for Policy Decisionmaking: Application to Implantable Cardioverter Defibrillators</td>
<td>Scott Berry, PhD, Berry Consultants</td>
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<td>1:45 p.m.</td>
<td>Translating Information about Comparative Effectiveness into Practice: The Case of Diabetes Medications</td>
<td>Nilay D. Shah, PhD, Mayo Clinic</td>
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<td>2:05 p.m.</td>
<td>Discussion and Audience Participation</td>
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<td>2:30 p.m.</td>
<td>Closing Remarks and Conference Adjournment</td>
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DEcIDE EHC Symposium Planning Committee

Kathleen N. Lohr, PhD  Co-Chair and Distinguished Fellow, RTI International
Scott R. Smith, PhD  Co-Chair and Program Director, Center for Outcomes & Evidence, AHRQ
Wade Aubry, MD  Associate Clinical Professor of Medicine, Philip R. Lee Institute for Health Policy Studies, University of California, San Francisco  Senior Clinical and Policy Advisor, Center for Medical Technology Policy and Senior Medical Advisor to the California Technology Assessment Forum
Jean Paul Gagnon, PhD  Director of Public Policy, Sanofi-aventis Pharmaceuticals Inc.
Eric Johnson, PhD  Epidemiologist, Kaiser Permanente Northwest, Center for Health Research
Malcolm Maclure, PhD  Manager of Research, Pharmaceutical Services Division, British Columbia Ministry of Health & Adjunct Associate Professor, Harvard University
Sharon-Lise Normand, PhD  Professor of Health Policy (Biostatistics)  Department of Health Care Policy, Harvard Medical School  Department of Biostatistics, Harvard School of Public Health
Jean Slutsky, MSPH  Director, Center for Outcomes and Evidence, AHRQ
Mitchell Sugarman, MBA  Senior Director, Health Economics, Policy and Payment, Medtronic
Thomas Trikalinos, MD, PhD  Assistant Director, Center for Clinical Evidence Synthesis, Institute for Clinical Research and Health Policy Studies, Tufts-New England Medical Center, Assistant Professor of Medicine, Tufts University