

Integrating Stakeholder Preferences in Comparative Effectiveness Research: Potential Uses of Multi-Criteria Decision Analysis Techniques

August 27, 2012



Effective Health Care Program

Community Forum

Moderator: Penny Mohr



- ❖ Vice President for Program Development, Center for Medical Technology Policy
- ❖ AHRQ's Community Forum project
- ❖ Expertise in stakeholder engagement and comparative effectiveness research

Goals

- Understand different formal structured approaches to eliciting and quantifying stakeholder preferences
- Compare and contrast Conjoint Analysis and Analytic Hierarchy Processes as preference assessment tools
- Describe applications of preference methods to inform Comparative Effectiveness Research (CER)

AHRQ Community Forum

- To expand stakeholder involvement in comparative effectiveness research in AHRQ's Effective Health Care Program
- To advance methods for gathering public input on value-based healthcare questions



Comparative Effectiveness Research

“...The purpose of CER is to assist consumers, clinicians, purchasers and policy makers to make informed decisions that will improve health care at both the individual and population levels.”

~Institute of Medicine, 2009

Categories of CER Methods

- Systematic reviews of existing research
- Decision modeling, with or without cost information
- Retrospective analysis of existing clinical or administrative data
- Prospective non-experimental studies, including registries
- Experimental studies, including randomized clinical trials (RCTs)

Activities of CER

- Identifying major gaps in existing research
- Setting research priorities
- Refining research questions
- Developing study protocols
- Translating research findings
- Shared decision making

Speaker: Maarten IJzerman, PhD



- ❖ Chair, Department of Health Technology & Services Research, University of Twente, Netherlands.
- ❖ Expertise in patient reported outcomes, elicitation of patient preferences in HTA, multiple criteria decision making and discrete choice methods.
- ❖ Dr. IJzerman will provide an introduction to Multi-criteria decision models used for healthcare decision making.

Speaker: Jerry Krishnan, MD, PhD



- ❖ Professor of Medicine & Public Health & Associate Vice President for Population Health Sciences, in the Office of Health Affairs at the University of Illinois Hospital & Health Sciences System.
- ❖ Chair of the Steering Committee for the COPD Outcomes-based Network for Clinical Effectiveness and Research Translation (CONCERT).
- ❖ Dr. Krishnan will describe the application of Analytic Hierarchy Process (AHP) to identify patient, clinician & other stakeholder preferences for CER in COPD.

Speaker: F. Reed Johnson, PhD



- ❖ Distinguished Fellow and principal economist at Research Triangle Institute (RTI).
- ❖ Chair of the ISPOR Conjoint Analysis (CA) Experimental Design Task Force.
- ❖ Dr. Johnson will describe the application of CA for eliciting patient preferences about health outcomes to guide the design of a study protocol.

Agenda

Introduction (Presenter: Penny Mohr, Community Forum Team)	10:30-10:40 AM
An introduction to the use of Analytical Hierarchy Process and Conjoint Analysis in health research (Presenter: Maarten Ijzerman)	10:40-11:00 AM <i>(Last 5 minutes reserved for Q&A)</i>
The use of AHP to elicit stakeholder input for prioritizing research (Presenter: Jerry Krishnan)	11:00-11:20 AM <i>(Last 5 minutes reserved for Q&A)</i>
The use of CA to elicit patient preferences in selecting treatment endpoints (Presenter: F. Reed Johnson)	11:20-11:40 AM <i>(Last 5 minutes reserved for Q&A)</i>
General Q&A	11:40 AM- 12:00 PM