

Workshop Title:

Comparing Multi-Attribute Utility Measures: EQ-5D, HUI, and SF-6D

Workshop Overview

This will be an intermediate-level Workshop on the multi-attribute utility approach to assessing health-related quality of life. The Workshop will include hands on experience in completing questionnaires from several systems and the analysis and interpretation of the results. Topics will include the conceptual foundations of multi-attribute health-status classification systems and multi-attribute utility functions, a review of the content (dimensions or attributes of health status included) and evidence on measurement properties (floor and ceiling effects, reliability, construct validity, responsiveness, and interpretation of scores) of prominent multi-attribute systems including the EuroQol EQ-5D, Health Utilities Index (HUI), and Short-Form 6D. The Workshop will present examples of applications from diverse clinical and population health settings as well as cost-utility and cost-effectiveness analyses. Guidance on criteria for selecting a utility measure for a study will also be provided. The session will include interactive demonstrations and discussion and didactic presentations.

Outline

- I. Completion of Questionnaires of Selected Multi-Attribute Utility Measures
- II. Introduction and Conceptual Foundations
- III. Review of Measurement Properties and Applications: Content, Floor and Ceiling Effects, Feasibility, Reliability, Construct Validity, Responsiveness, and Interpretation of Utility Scores
- IV. Estimating Multi-Attribute Utility Functions
- V. Results from Completed Questionnaires
- VI. Summary and Synthesis; Criteria for Choosing a Multi-Attribute Utility Measure for Use in a Study

Learning Objectives

Attendees will become familiar with the conceptual foundations to the multi-attribute utility approach, techniques used to obtain utility scores to estimate multi-attribute utility functions, evidence on the measurement properties of multi-attribute utility measures, and receive guidance on the interpretation of utility scores and criteria for selecting a multi attribute utility measure.

Workshop Faculty: Presenter/Organizer

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David Feeny is a Professor of Economics and Public Health Sciences at the University of Alberta, Fellow of the Institute of Health Economics, and President of International Society for Quality of Life Research (ISOQOL). Currently David is a Visiting Scientist at

the Kaiser Center for Health Research in Portland, Oregon. David Feeny has applied both direct and multi-attribute utility measures as well as generic and specific measures of health-related quality of life in a wide variety of settings including total hip arthroplasty, pediatric asthma, cancer in childhood, and prenatal diagnosis. David is a major developer of Health Utilities Index Mark 2 and Mark 3 multi-attribute systems. David has a proprietary interest in Health Utilities Incorporated.

Presenter:

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George Torrance is Professor Emeritus of Management Science and Clinical Epidemiology and Biostatistics at McMaster University and Vice-President for Scientific Affairs for Innovus Research Inc. George has been a pioneer in the application of preference-based measures for assessing health-related quality of life. Torrance developed the time tradeoff technique for the elicitation of preferences. George has also been a pioneer in the application of multi-attribute utility theory to the assessment of health-related quality of life. George is a major developer of multi-attribute utility measures, the Health Utilities Index Mark 1, Mark 2, and Mark 3. George has a proprietary interest in Health Utilities Incorporated.

Assigned Pre-Reading

Torrance, George W., William Furlong, and David Feeny, "Health Utility Estimation." *Expert Reviews in Pharmacoeconomics Outcomes Research*, Vol. 2, No. 2, 2002, pp 99-108.

[Anyone having difficulty locating a copy of the paper should contact the organizer:
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