

ISPOR 21ST ANNUAL INTERNATIONAL MEETING

May 21-25, 2016 • Washington Hilton • Washington, DC, USA

Value, Affordability, and Patient Centeredness: Can We Have it All?

REMINDER!

CALL FOR ABSTRACTS

Abstract Submission Deadline: **January 14, 2016** / Early Registration Deadline: **April 12, 2016**

WHY SUBMIT TO ISPOR DC?

ISPOR is recognized globally as the leading educational and scientific organization for outcomes research and its use in health care decisions. The International Meeting is the place to share your new research as a podium or poster presentation, interact with attendees during a workshop on your innovative experiences in outcomes research, or debate your views on a controversial topic in an issue panel session.

- **Audience:** Over 4,000 delegates from the global HEOR community – researchers, regulators, decision makers, and global leaders – anticipated.
- **Advance the Science:** Contribute your research, ideas, and knowledge.
- **Research Impact:** The attendee profile, ISPOR's global recognition, and the promotion and dissemination of meeting content improves the impact of your research.
- **Career Development:** Be part of this international network, become eligible for presentation awards, and be cited in *Value in Health* (all accepted research included).

No fee for abstract submission. Contribute to the program for ISPOR DC – Submission Deadline is January 14, 2016

PLENARY HIGHLIGHTS

MONDAY, MAY 23: FIRST PLENARY SESSION

Accelerating Cures: Addressing Unmet Patient Need or Putting Patients at Risk?

TUESDAY, MAY 24: SECOND PLENARY SESSION

Making Medical Decisions in an Irrational World

WEDNESDAY, MAY 25: THIRD PLENARY SESSION

PDUFA VI – Impact on Health Outcomes Research and Dissemination

Plus! 30 Pre-Congress Short Courses (see page 27) * 48 Research Podium Presentations * 20 Issue Panels * 31 Workshops * 14 ISPOR Forums * Exhibits * 1,750 Research Poster Presentations * Evening Social Event

PROMOTIONAL OPPORTUNITIES

EXHIBIT Register now! Over 3,700 attendees in 2015!

Present your products and services to meeting delegates representing various sectors in the field of health economics and outcomes research.

Benefits to Exhibitors: Virtual Booth on the ISPOR website and in the meeting app • One complimentary registration per exhibit space

SPONSOR Increase your visibility! Give your company increased prominence!

Benefits to Sponsors are based on the level of sponsorship and include the following: Recognition in all 3 plenary sessions • Event signage • Preference during the booth allocation process • Virtual Booth on the ISPOR website and in the meeting app • Complimentary registration(s)

ADVERTISE Advertise in the Program & Schedule of Events! Advertising Deadline: April 1, 2016

ISPOR 21ST ANNUAL INTERNATIONAL MEETING

Short Course Program

SATURDAY, MAY 21

ALL DAY COURSES 8:00AM-5:00PM

Introduction to Pharmacoeconomics

Learn how to incorporate pharmacoeconomics into study design and data analysis, how to collect and calculate the costs of different alternatives, determine the economic impact of clinical outcomes, and to identify, track, and assign costs to health care resources.

**Bayesian Analysis – Overview and Applications**

This course provides an overview of the Bayesian approach, its applications to health economics and outcomes research, and hands-on experience using WinBUGS.

MORNING COURSES 8:00AM-12:00PM

NEW! Informatics and Interoperability: Speaking the Same Language

This course provides an introduction to health information exchange, standardized data exchange formats and pharmacy terminologies, the pharmacy "Rosetta stone" RxNorm, and application of these topics, such as using RxNorm and the use of common data models.

Introduction to the Design & Analysis of Observational Studies of Treatment Effects Using Retrospective Data Sources

This course introduces analytic techniques and best practices to improve causal inference in studies using retrospective databases, including stratification analysis, multivariable regression, propensity scoring, instrumental variable, and structural modeling techniques.

Introduction to Modeling Methods

This course introduces the principles and practice of decision analysis. Participants evaluate the appropriateness of decision analysis, construct simple decision trees, understand basic mechanics of tree evaluation and sensitivity analysis, and acquire skills in the interpretation of a published decision analysis.

Introduction to Patient-Reported Outcomes

Conceptual, methodological, and practical methods for measuring quality of life, health status, and other types of health outcomes are presented. Theoretical frameworks, reliability, validity, responsiveness, methods of administration, respondent and administrative burdens, and issues of analysis and interpretation are discussed.

Introduction to Conjoint Analysis

This course introduces the conceptual basis for quantifying decision-maker preferences for medical interventions and the practical design and analytical issues that must be addressed to obtain valid empirical preference estimates.

Elements of Pharmaceutical / Biotech Pricing I – Introduction

This course gives participants a basic understanding of the key terminology and issues involved in pharmaceutical pricing; the tools needed to build and document product value are explored through a series of interactive exercises.

Cost-Effectiveness Analysis Alongside Clinical Trials

This course presents design, conduct, and reporting of cost-effectiveness analyses alongside clinical trials. Analyses guided by an analysis plan and hypotheses, an incremental analysis using an intention to treat approach, characterization of uncertainty, and standards for reporting results are presented.



Indicates hands-on exercises requiring the use of your personal laptop.

AFTERNOON COURSES 1:00PM-5:00PM

Meta-Analysis and Systematic Reviews in Comparative Effectiveness Research

This course discusses six key areas: 1) comparative effectiveness research; 2) impetus for meta-analysis and systematic reviews; 3) basic steps to perform a quantitative systematic review; 4) statistical methods of combining data; 5) reporting of results; and 6) appraisal and use of meta-analytic reports.

Utility Measures

This course explores concepts of health-related quality of life in terms of their differences and similarities, methods used to capture utilities (standard gamble, time trade off, and rating scales), and instruments to measure quality of life (EQ-5D, Health Utilities Index, and SF-36).

**Modeling: Design and Structure of a Model**

This course provides hands-on experience in constructing a decision analysis tree including Markov models, Monte Carlo simulations, sensitivity analysis, determination of probability values, and transition probabilities.

Case Studies in Pharmaceutical / Biotech Pricing II – Advanced

This course employs case studies to lead participants through the key steps of new product pricing, with focus on the need to thoroughly analyze the business environment and the need to closely integrate pricing, reimbursement, and PE strategy for a new product with clinical development and marketing strategies.

Use of Propensity Scores in Observational Studies of Treatment Effects

This course discusses how propensity scores can be used to mitigate confounding, the advantages and disadvantages of standard adjustment relative to propensity score-based methods, details of propensity score methodology, and risk adjustment models.

Advanced Patient-Reported Outcomes

This course provides an in-depth discussion of both the methods that are used to validate and refine PRO measures (including ePROs) and the analytic methods used to model PRO data over time in clinical trials.

**Value of Information and Probabilistic Analyses**

This course focusses on how to analytically explore decision uncertainty and its consequences.

SUNDAY, MAY 22

MORNING COURSES 8:00AM-12:00PM

Discrete Event Simulation for Economic Analyses – Concepts

This course provides a basic understanding of key concepts of discrete event simulation and focuses on the use of these simulation models to address health economic (and device-related) problems.

Statistical Methods in Economic Evaluations

This course examines statistical approaches that address common features of resource use and cost data, including distributional characteristics, censoring, hierarchical data structures, and potential confounding.

Risk-Sharing / Performance-Based Arrangements for Drugs and Other Medical Products

Theory and practice of "pay-for-performance" or "risk-sharing" arrangements are analyzed, along with several examples of performance-based schemes from Europe, the United States, and Australia.

Applications in Using Large Databases

This course reviews the databases CPRD (UK database), GE Centricity electronic medical record (EMR), and Medicare (USA databases). Each database is discussed in-depth including how to access – and how researchers utilize this – information.

Patient-Reported Outcomes – Item Response Theory

Applications of IRT have increased considerably because of its utility for instrument development and evaluation, assessment of measurement equivalence, instrument linking, and computerized adaptive testing. This short course discusses the basics of IRT models and applications to improve health outcomes measurement.

**Use of Instrumental Variables in Observational Studies of Treatment Effects**

Sample selection models provide a test and correction for the presence of selection bias, enabling an investigator to obtain unbiased estimates of treatment effects. This course discusses various models and their applications, in particular instrument variables.

Budget Impact Analysis I: A 6-Step Approach

This course describes the methods used to estimate the budget impact of a new health care technology. Both static and dynamic methods for estimating the budget and health impact of adding a new drug to a health plan formulary are presented.

AFTERNOON COURSES 1:00PM-5:00PM

NEW! Advanced Topics in Decision Analytic Modeling

This course reviews the recommendations of the ISPOR-SMDM Modeling Good Research Practices Task Force and covers advanced topics in the following three modeling approaches: cohort-based models, patient-level models, and population-based models.

Introduction to Big Data Analysis: Graph Analytics

Issues related to node-typed, edge-typed, and directed graphs, using the resource description framework (RDF) to describe information in a graph, using SPARQL, and application of inferential rules and ontologies to the dataset will be discussed.

**Budget Impact Analysis II: Applications and Design Issues**

This course provides hands-on experience in utilizing an Excel-based approach to create and modify budget impact analysis models and cost calculators. Applications focus on design issues related to accuracy of budget impact estimation as well as applicability to decision makers.

**Discrete Event Simulation for Economic Analyses – Applications**

This course is structured around practical, hands-on discrete event simulation exercises. Topics include: components of a DES; how to build a model; modeling of processes and resource use; and modeling of variables and decisions.

Network Meta-Analysis

The fundamentals and concepts of network meta-analysis are presented, motivated by instructive and concrete examples.

Advanced Decision Modeling for Health Economic Evaluations

This course considers key aspects in the development of decision modeling, how models can be made probabilistic to capture parameter uncertainty, how to analyze and present results, how results should be interpreted, and how decisions should be made.

**Using Multi-Criteria Decision Analysis in Health Care Decision Making: Approaches & Applications**

This course reviews the use of MCDA in health care applications and the different approaches employed. Issues related to selecting the right data approach, criteria definition, scoring performance, weighting criteria, and uncertainty analysis are presented.

Complete Short Course Descriptions available at: www.ispor.org >> ISPOR 21st Annual International Meeting