Virtual Training Program in Health Outcomes and Pharmacoeconomic Research Part 1

SEPTEMBER 12 – 15, 2022

Program Overview
Professionals with an entry to intermediate knowledge level will benefit most from this 4-day program consisting of:

- Interactive Lectures
- Case Studies
- Hands-On Workshops
- Small Group Discussion
- Develop an understanding of HEOR concepts and methodologies
- Discover no-cost data resources for costs and outcomes
- Articulate the issues in real-world evidence
- Evaluate HEOR literature
- Conduct a decision analysis
- Interpret results of cost-effectiveness analyses
- Recognize good practice for budget impact analysis and simulate an example
- And more!

“This was a great overview of PE. I will be able to use what I learned to more fully understand studies that are done by my company.”
Monday, September 12 (Pacific Time)

9:00-9:10  Welcome

9:10-9:25  Pre-test
  • Identify present knowledge base through pre-test

9:25-10:40  Pharmacoeconomic principles
  Jason Hurwitz, PhD
  • Describe basic terminology
  • Discuss how a medication can be cost-effective
  • Describe various study perspectives
  • Distinguish among the types and uses of sensitivity analyses

10:40-11:00  Break

11:00-12:00  Pharmacoeconomic methodology
  Amy Grizzle, PharmD
  • Identify differences among various pharmacoeconomic methodologies, such as cost-effectiveness analysis, cost-benefit analysis, and cost-utility analysis
  • Discuss when an average cost-effectiveness ratio is appropriate to use
  • Calculate the incremental cost-effectiveness for one medication over another

12:00-12:45  Midday break

12:45-1:45  Quick start guide to free HEOR data resources
  Rhys Axon, MPharm, MS, PhD
  • Identify publicly available data sources for costs and outcomes
  • Describe strengths and weaknesses of data sources
  • Query AHRQ’s HCUP data

1:45-2:00  Complete daily evaluation
Tuesday, September 13 (Pacific Time)

8:50-9:00  Log-in & Announcements

9:00-10:30  Patient-reported outcomes (PRO) assessment  
*Shannon Vaffis, MPH, PMP and Harman Dhatt, PhD, MPH*

- Discuss the role of patient-reported outcomes assessment in the evaluation and approval of new product development
- Describe key components of the FDA regulatory guidance for patient-reported outcomes
- Complete and score the EQ-5D instrument

10:30-10:45  Break

10:45-12:15  Decision analysis / Pharmacoeconomic models  
*Jason Hurwitz, PhD*

- Describe the steps in building a decision tree
- Illustrate how the data elements entered into a decision tree should be analyzed
- Interpret findings from the decision analysis
- Apply a sensitivity analysis to vary model parameters

12:15-1:00  Lunch break

1:00-2:00  Interpreting cost-effectiveness results  
*Jason Hurwitz, PhD*

- Explain how to interpret scatter plots
- Discuss the use of cost-effectiveness acceptability curves

2:00-2:15  Complete daily evaluation

Wednesday, September 14 (Pacific Time)

8:50-9:00  Log-in & Announcements

9:00-10:15  Real-world evidence (RWE)  
*Ed Armstrong, PharmD*

- Describe methodologies (pragmatic and observational studies) used to generate RWE, including associated advantages and disadvantages
- Explain how propensity score matching minimizes bias in observational research
- Describe how RWE is perceived in managed care environments and which study attributes increase usefulness and relevance to payers
- Discuss FDA’s RWE Framework announced in 2019

10:15-10:35  Break
10:35-11:50  **Budget impact analysis**  
*Harman Dhatt, PhD, MPH*

- Discuss ISPOR Principles of Good Practice for Budget Impact Analysis
- Outline differences between budget impact and pharmacoeconomic analyses
- Review the components considered in budget impact through a simulated example

11:50-12:35  **Midday break**

12:35-1:50  **Getting HEOR results: Tailoring study designs to research questions**  
*Selected Graduate Students*

- Review designs and data sources used to address questions in a variety of research studies
- Discuss why different methods and tools were selected and any limitations or challenges encountered

1:50-2:00  **Complete daily evaluation**

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**Thursday, September 15 (Pacific Time)**

8:50-9:00  **Log-in & Announcements**

9:00-10:30  **Evaluating pharmacoeconomic studies**  
*Jason Hurwitz, PhD and Amy Grizzle, PharmD*

- Discuss key issues that should be considered when evaluating pharmacoeconomic literature
- Evaluate a pharmacoeconomic study to identify strengths and weaknesses in study methodology and conclusions

10:30-10:45  **Break**

10:45-11:30  **Jeopardy game: What have you learned?**  
*Jason Hurwitz, PhD and Amy Grizzle, PharmD*

- Review key concepts learned during the program through a team-based quiz game
- Discuss remaining questions to solidify key concepts

11:30-11:45  **Post-test**

- Complete post-test to identify knowledge change

11:45-12:00  **Complete daily evaluation and overall between daily and evaluation**

12:00-12:15  **Review post-test results**

- Discuss answers to post-test questions and address any remaining concerns over incorrect responses
PHARMACY CONTINUING EDUCATION

ACCREDITATION STATEMENT:
Banner Health is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.

“I thought the program was very well structured and delivered. The activities helped to apply concepts, the lecturers were knowledgeable and interactive despite the virtual setting and I would definitely recommend it.”

Edward Armstrong, PharmD
Professor Emeritus
Department of Pharmacy
Practice & Science

Rhys Axon, MPharm, MS, PhD
Assistant Professor
Department of Pharmacy
Practice & Science

Harman Dhatt, PhD, MPH
Director, Patient Reported Outcomes
Global Market Access
Janssen Pharmaceuticals

Amy Grizzle, PharmD
Associate Director
Center for Health Outcomes
and PharmacoEconomic Research

Jason Hurwitz, PhD
Assistant Director
Center for Health Outcomes
and PharmacoEconomic Research

Shannon Vaffis, MPH, PMP
Research Scientist II
Clinical Outcomes Solutions

And Selected Graduate Students
PROGRAM REQUIREMENTS

- Laptops installed with Excel are needed to complete some exercises
- Prior to the program, participants will be sent one pharmacoeconomic article to evaluate in preparation for an interactive session

OUR PROGRAM

Our annual program has been offered in person for over 20 years with attendance each year generated through recommendations from prior attendees. In response to the challenges of COVID-19, we have developed Part 1 and Part 2 virtual options until we can return to in-person programming.

This abbreviated, virtual program will get you off to a great start in the HEOR space. For those wanting more depth and additional topics, please consider attending Part 2 in November 2022.

REGISTRATION

Register online at: https://HEORPart1Sept2022.eventbrite.com

Registration fee: $1,000 Professionals $750 Trainees

Group rates for 5 or more can be pre-arranged.

The registration fee for the Training Program in Health Outcomes and Pharmacoeconomic Research includes all sessions, electronic training materials, pharmacy continuing education credit, and a certificate of completion.

Slides and other program materials will be available electronically prior to the program.

Refund Policy: A refund (less $200 cancellation fee) will be available for cancellations received in writing by August 26, 2022.

Persons with a disability may request a reasonable accommodation, such as sign language interpreter, by contacting us at 520-626-3106 or HEORtraining@pharmacy.arizona.edu. Requests should be made as early as possible to allow time to arrange the accommodation.

FOR FURTHER INFORMATION:

HOPE Center
Center for Health Outcomes & PharmacoEconomic Research
HEORtraining@pharmacy.arizona.edu
520-626-3106
https://www.pharmacy.arizona.edu/hope