TRAINING PROGRAM AGENDA

Monday, September 23

8:00-8:30 am  Breakfast and registration

8:30-8:35   Welcome

8:35-9:50   Pre-test/Pharmacoeconomic principles
Amy Grizzle, Pharm.D.
- Identify present knowledge base through pre-test
- Describe basic terminology
- Discuss how a medication can be cost-effective
- Describe various study perspectives
- Discuss the importance of sensitivity analysis
ACPE Program Number: 0003-0000-13-030-L01-P (1.25 hours, knowledge-based activity)

9:50-10:30   Pharmacoeconomic methodology
Patricia Herman, Ph.D., N.D.
- Identify differences among various pharmacoeconomic methodologies, such as cost-effectiveness analysis, cost-benefit analysis, and cost-utility analysis
- Calculate the incremental cost-effectiveness for one medication over another
- Demonstrate utility measures such as the Time Trade Off and Standard Gamble
- Complete and score the EQ-5D
ACPE Program Number: 0003-0000-13-031-L01-P (3 hours, application-based activity)

10:30-10:45   Break

10:45-12:15 pm  Pharmacoeconomic methodology (continued)

12:15-1:15   Lunch

1:15-2:00   Pharmacoeconomic methodology (continued)
Amy Grizzle, Pharm.D.
2:00-3:15  Decision analysis/Pharmacoeconomic models
Jason Hurwitz, Ph.D.
- Describe the steps in building a decision tree
- Illustrate how the data elements entered into a decision tree should be analyzed
- Apply a decision-analytic model to a pharmacoeconomic question
- Apply the fundamental concepts learned to build a decision tree utilizing Excel software
- Interpret findings from the decision analysis
ACPE Program Number: 0003-0000-13-032-L01-P (2.5 hours, application-based activity)

3:15-3:30  Break

3:30-4:45  Decision analysis/Pharmacoeconomic models (continued)

Tuesday, September 24

8:00-8:30 am  Breakfast

8:30-9:45  Statistics in pharmacoeconomics
Terri Warholak, Ph.D., R.Ph.
- Discuss the basic principles considered in the statistical analysis of data, including levels of measurement, measures of central tendency, and variation
- Explain confidence intervals and their interpretation
- Describe the appropriate use of Rasch analysis
ACPE Program Number: 0003-0000-13-033-L01-P (1.25 hours, knowledge-based activity)

9:45-10:45  Evaluating pharmacoeconomic studies
Brian Erstad, Pharm.D.
- Discuss key issues that should be considered when evaluating pharmacoeconomic literature
- Critically evaluate a pharmacoeconomic study to identify strengths and weaknesses in study methodology and conclusions
- Replicate the study findings in a decision tree
ACPE Program Number: 0003-0000-13-039-L01-P (2 hours, application-based activity)

10:45-11:00  Break

11:00-12:00  Evaluating pharmacoeconomic studies (continued)

12:00-1:00 pm  Lunch
1:00-2:00  Markov models: A subset of decision analysis  
Terry Urbine, Ph.D.  
- Differentiate between decision trees and Markov models  
- Identify disease conditions where a Markov analysis is preferred to a decision tree  
ACPE Program Number: 0003-0000-13-034-L01-P (1 hour, knowledge-based activity)

2:00-2:15  Break

2:15-4:15  Data sources  
Kristin Khalaf, Pharm.D., M.S.  
- Identify and discuss data sources for estimating incidence rates, health care utilization, cost, and outcomes  
- Assess the strengths and weaknesses of various public and private healthcare datasets  
- Select data sources applicable for estimating resource utilization, cost, and outcome data for pharmacoeconomic studies  
ACPE Program Number: 0003-0000-13-037-L01-P (2 hours, application-based activity)

Wednesday, September 25

8:00-8:30 am  Breakfast

8:30-9:45  Interpreting cost-effectiveness results  
Eleanor Olvey, Pharm.D., Ph.D.  
- Explain how to interpret data plotted on a cost-effectiveness grid  
- Discuss the use of cost-effectiveness acceptability curves  
ACPE Program Number: 0003-0000-13-038-L01-P (1.25 hours, knowledge-based activity)

9:45-10:45  Budget impact analysis  
Kim Saverno, Ph.D., R.Ph.  
- Define budget impact analysis and differentiate from other financial models  
- Identify strengths and weaknesses of budget impact analysis  
- Demonstrate an application of budget impact analysis  
ACPE Program Number: 0003-0000-13-035-L01-P (1 hour, knowledge-based activity)

10:45-11:00  Break

11:00-12:30 pm  Patient-reported outcomes (PRO) assessment  
Kristin Khalaf, Pharm.D., M.S.  
- Discuss the role of patient-reported outcomes assessment in the evaluation of health care products and services  
- Complete and score the SF-36 Health Survey  
ACPE Program Number: 0003-0000-13-036-L01-P (1.5 hours, application-based activity)

12:30-1:30  Lunch
1:30-5:00  Designing and conducting pharmacoeconomic studies (break included)
Terri Warholak, Ph.D., R.Ph.
- Identify the steps in planning a pharmacoeconomic study
- Analyze a pharmacoeconomic problem and choose key elements for inclusion in a pharmacoeconomic evaluation
ACPE Program Number: 0003-0000-13-040-L01-P (3.25 hours, application-based activity)

Thursday, September 26

8:00-8:30 am  Breakfast

8:30-10:00  Post-test/Application of pharmacoeconomic data in the “real world”
Denise Erickson, Pharm.D., BCPS
Jacob Abarca, Pharm.D., M.S.
- Complete post-test to identify knowledge change
- Describe how pharmacoeconomic data are used in decision making
- Discuss limitations associated with applying pharmacoeconomic data in decision making
ACPE Program Number: 0003-0000-13-041-L01-P (1.5 hours, knowledge-based activity)

10:00-10:15  Break

10:15-11:15  Comparative effectiveness research
Joe Gerald, M.D., Ph.D.
- Describe methodologies that may be employed to conduct comparative effectiveness research, including associated advantages and disadvantages
ACPE Program Number: 0003-0000-13-042-L01-P (1 hour, knowledge-based activity)

11:15-12:15 pm  Managed care workshop (mock P & T evaluation)
Kim Saverno, Ph.D., R.Ph.
- Evaluate pharmacoeconomic data to make formulary recommendations
ACPE Program Number: 0003-0000-13-044-L01-P (1 hour, application-based activity)

12:15-2:00  Applying concepts/Pharmacoeconomic study presentations (with working lunch)
- Identify and discuss results of pre and post test questions to determine change in knowledge
- Present pharmacoeconomic studies and discuss with faculty and participants the project, considerations, methodologies utilized, and results
- Evaluate strengths and weaknesses of study designs
ACPE Program Number: 0003-0000-13-043-L01-P (1.5 hours, application-based activity)

2:00  Close of program