



TRAINING PROGRAM AGENDA

Monday, September 23

8:00-8:30 am	Breakfast and registration
8:30-8:35	Welcome
8:35-9:50	<p>Pre-test/Pharmacoeconomic principles Amy Grizzle, Pharm.D.</p> <ul style="list-style-type: none">• 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 <p>ACPE Program Number: 0003-0000-13-030-L01-P (1.25 hours, knowledge-based activity)</p>
9:50-10:30	<p>Pharmacoeconomic methodology Patricia Herman, Ph.D., N.D.</p> <ul style="list-style-type: none">• 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 <p>ACPE Program Number: 0003-0000-13-031-L01-P (3 hours, application-based activity)</p>
10:30-10:45	Break
10:45-12:15 pm	Pharmacoeconomic methodology (continued)
12:15-1:15	Lunch
1:15-2:00	<p>Pharmacoeconomic methodology (continued) Amy Grizzle, Pharm.D.</p>

2:00-3:15	Decision analysis/Pharmacoeconomic models Jason Hurwitz, Ph.D. <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • 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

Designing and conducting pharmacoeconomic studies (break included)

- Identify the steps in planning a pharmacoeconomic study
- Analyze a pharmacoeconomic problem and choose key elements for inclusion in a pharmacoeconomic evaluation

Thursday, September 26

Breakfast

Post-test/Application of pharmacoeconomic data in the “real world”

- 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

Break

Comparative effectiveness research

- Describe methodologies that may be employed to conduct comparative effectiveness research, including associated advantages and disadvantages

Managed care workshop (mock P & T evaluation)

- Evaluate pharmacoeconomic data to make formulary recommendations

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

Close of program