



Training Program in Health Outcomes and Pharmacoeconomic Research

*A 4-day, applied
training program
for personnel in the
pharmaceutical
industry, health
care delivery
systems, and other
health care
organizations*

September 24-27, 2012
Marriott University Park
Tucson, Arizona



Sponsored by

The University of Arizona College of Pharmacy



AN OVERVIEW OF THE TRAINING PROGRAM

The goals of higher quality, lower costs, and reasonable access to medical care are universally sought by patients, providers and payers. To address these goals, the Center for Health Outcomes and PharmacoEconomic Research is teaching the tools of pharmacoEconomics and health outcomes assessment to professionals whose job responsibilities include the application or interpretation of pharmacoEconomic information. A 4-day training program has been developed and is aimed at professionals with an entry to intermediate knowledge level. The curriculum will offer an overview of basic principles, as well as more in-depth instruction in selected areas. Participants will also learn to evaluate literature and will have the opportunity to work on a pharmacoEconomic project. Enrollment is limited to encourage interactive sessions and personalized attention. The program format will consist of lectures, case studies, workshops, and small group discussion. Participants in this training program will have the opportunity to confer with program faculty and other participants during the week in Tucson.



Pharmacy Continuing Education

The University of Arizona College of Pharmacy is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. Pharmacists attending all sessions and completing a project will be awarded 24.25 hours. We will utilize the CPE Monitor system. Please be sure to register with NABP—you will need to provide your ID number to be given credit.



Comments from past program participants

Overall a great course for anyone new to the Health Economics world!

Thank you for organizing this very valuable course. I would certainly recommend it to other professionals in the field. Tucson is a great place to visit!

The overall program was excellent, especially for my organization. I believe implementation of these concepts will eventually bridge PE communication gap between MCOs and industry.

Great program, great coordinator, great speakers, liked the program location.



Monday, September 24

8:00-8:30 am

Breakfast and registration

8:30-8:50

Welcome, introduction, and pre-test

8:50-9:50

Pharmacoeconomic principles (lecture)

- Describe basic terminology
- Discuss how a medication can be cost-effective
- Describe various study perspectives
- Discuss the importance of sensitivity analysis

ACPE Program Number: 0003-0000-12-050-L01-P (1 hour)

9:50-10:30

Pharmacoeconomic methodology (lecture and workshop)

- 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

ACPE Program Number: 0003-0000-12-051-L01-P (2.25 hours)

10:30-10:45

Break

10:45-12:15 pm

Pharmacoeconomic methodology (continued)

12:15-1:15

Lunch

1:15-2:45

Decision analysis/
Pharmacoeconomic models (workshop and computer demo)

- Describe the steps in building a decision tree
- Discuss how the data elements entered into a decision tree should be analyzed
- Apply a decision-analytic model to a pharmacoeconomic question

ACPE Program Number: 0003-0000-12-052-L01-P (3 hours)

2:45-3:00

Break

3:00-4:30

Decision analysis/
Pharmacoeconomic models (Excel-based workshop)

- Build a decision tree utilizing Excel software

Tuesday, September 25

8:00-8:30 am

Breakfast

8:30-10:00

Patient-reported outcomes (PRO) assessment (lecture and workshop)

- 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: 0003-0000-12-053-L01-P (1.5 hours)

10:00-10:15

Break

10:15-11:15

Budget impact and cost-efficiency modeling (lecture)

- Define budget impact modeling and differentiate from other financial models
- Identify strengths and weaknesses of budget impact models
- Demonstrate an application of budget impact and cost-efficiency modeling

ACPE Program Number: 0003-0000-12-054-L01-P (1 hour)

11:15-12:15 pm

Markov models: A subset of decision analysis (lecture)

- Differentiate between decision trees and Markov models
- Identify disease conditions where a Markov analysis is preferred to a decision tree

ACPE Program Number: 0003-0000-12-055-L01-P (1 hour)

12:15-1:15

Lunch

1:15-2:45

Comparative effectiveness research (lecture and workshop)

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

ACPE Program Number: 0003-0000-12-056-L01-P (3 hours)

2:45-3:00

Break

3:00-4:30

Comparative effectiveness research (continued)

Wednesday, September 26

8:00-8:30 am

Breakfast

8:30-9:45

Interpreting cost-effectiveness results (lecture)

- *Explain how to interpret data plotted on a cost-effectiveness grid*
- *Discuss the use of cost-effectiveness acceptability curves*

ACPE Program Number: 0003-0000-12-057-L01-P (1.25 hours)

9:45-10:45

Evaluating pharmacoeconomic studies (workshop)

- *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: 0003-0000-12-058-L01-P (2 hours)

10:45-11:00

Break

11:00-12:00 pm

Evaluating pharmacoeconomic studies (continued)

12:00-1:00

Lunch

1:00-4:30

Designing and conducting pharmacoeconomic studies (lecture and workshop with break included)

- *Identify the steps in planning a pharmacoeconomic study*
- *Describe a pharmacoeconomic problem and identify key elements for inclusion in a pharmacoeconomic evaluation*

ACPE Program Number: 0003-0000-12-059-L01-P (3.25 hours)

Thursday, September 27

8:00-8:30 am

Breakfast

8:30-8:45

Post-test

ACPE Program Number: 0003-0000-12-062-L01-P (.5 hour pre/post)

8:45-10:15

Application of pharmacoeconomic data in the "real world" (case studies)

- *Describe how pharmacoeconomic data are used in decision making*
- *Discuss limitations associated with applying pharmacoeconomic data in decision making*

ACPE Program Number: 0003-0000-12-060-L01-P (1.5 hours)

10:15-10:30

Break

10:30-11:30

Managed care workshop (mock P & T evaluation)

- *Evaluate pharmacoeconomic data to make formulary recommendations*

ACPE Program Number: 0003-0000-12-061-L01-P (1 hour)

11:30-2:00 pm

Results of pre-post tests

- *Identify results of pre and post test questions to determine increase in knowledge*

Pharmacoeconomic study presentations (with working lunch)

- *Present pharmacoeconomic studies and discuss with faculty and participants the project, considerations, methodologies utilized, results*
- *Review feedback from faculty and participants*

ACPE Program Number: 0003-0000-12-063-L01-P (2 hours)

2:00

Close of program

University of Arizona College of Pharmacy Training Program Faculty

Ivo Abraham, Ph.D.

Professor

Brian L. Erstad, Pharm.D., FCCM, FASHP, FCCP, BCPS

Professor

Amy Grizzle, Pharm.D.

Assistant Director, Center for Health Outcomes and PharmacoEconomic Research

Jason Hurwitz, Ph.D.

Assistant Research Scientist

Daniel C. Malone, Ph.D.

Professor

Eleanor L. Olvey, Pharm.D., Ph.D.

Assistant Research Scientist

Grant H. Skrepnek, Ph.D.

Associate Professor

Terri L. Warholak, Ph.D.

Assistant Professor

Guest Faculty

Stephen Joel Coons, Ph.D.

Executive Director, Patient-Reported Outcome Consortium
Critical Path Institute

Denise Erickson, Pharm.D., BCPS

Clinical Pharmacy Program Director
Banner Health

Bruce J. Schrader, Pharm.D.

Pharmacy Consultant



PREPARATION FOR THE PROGRAM

Our goal is to provide as much background and as many tools as possible to allow you to return to your professional setting and put what you have learned to work. We also want to offer opportunities to work on problems and situations specific to your particular setting.

During one of the workshops, you will be able to apply the knowledge and techniques presented to a case study. Prior to the program, we will provide some background reading as well as one article that will be evaluated during the course.

Participants need to bring a calculator and are encouraged to bring laptop computers to enhance participation in workshops.



LOCATION

The program will be held at the Marriott University Park, 880 East Second Street, Tucson, Arizona 85719; (520) 792-4100. While in Tucson for the week, enjoy a full-service hotel setting coupled with a university campus experience. The Marriott is located at the Main Gate to the University of Arizona affording close proximity to campus cultural venues as well as easy access to the Arizona Health Sciences Center. Also within walking distance are restaurants, museums, and shopping. The hotel offers a staffed business center, fitness center and sauna, outdoor pool and spa, lounge, and restaurant.

A blend of the Old West and New Southwest, Tucson provides a wealth of activities and attractions for you to enjoy. A lush desert, rugged mountains, gently rolling hills and clear blue skies create unmatched natural beauty. September days are warm with pleasant mornings for walks and cool evenings for wonderful outdoor dining. If you can arrive a day early or stay a day later, there are many enjoyable outings in the area.

A special group rate of \$133.00 per night plus applicable taxes is available for your stay during the training program. To make your reservation, please visit: <http://tinyurl.com/reservemarriott>

Please note that rooms will only be held until August 23, 2012, or until the block is filled. After this date rooms will be on a space-available basis. If you have any questions or require any assistance with arranging your accommodations, please do not hesitate to contact the Office of Continuing Education at (520) 626-3020.

REGISTRATION

Please complete the enclosed registration form and return it with your payment, or use the online registration process at

www.pharmacy.arizona.edu/healthoutcomes

The registration fee is \$2750 and includes all sessions, training materials, daily breakfast, lunch, breaks, pharmacy continuing education credit, and a certificate of completion.

Credit card payments are gladly accepted, however, our online payment system is in transition. We will contact you by telephone to secure credit card information.

Refund Policy: A refund (less \$450 cancellation fee) will be available for cancellations received in writing by August 31, 2012.

**Registration fees paid to The University of Arizona are not considered a tax-deductible gift contribution*.*

Persons with a disability may request a reasonable accommodation, such as sign language interpreter, by contacting the Office of Continuing Education, 520-626-3020, email: continuinged@pharmacy.arizona.edu
Requests should be made as early as possible to allow time to arrange the accommodation.

FOR FURTHER INFORMATION

Office of Continuing Education
The University of Arizona College of Pharmacy
PO Box 210202
Tucson, Arizona 85721-0207

Phone: (520) 626-3020
Fax: (520) 626-2023

Email: continuinged@pharmacy.arizona.edu
Web address: www.pharmacy.arizona.edu





REGISTRATION FORM

*Training Program in Health Outcomes and
Pharmacoeconomic Research*

September 24-27, 2012

Online registration available:

www.pharmacy.arizona.edu/healthoutcomes

NAME _____
DEGREE _____ POSITION _____
AFFILIATION _____
ADDRESS _____
CITY _____ STATE _____ ZIP CODE _____
TELEPHONE _____ FAX _____
EMAIL ADDRESS _____

Registration fee: \$2750

Please indicate method of payment:

Check made payable to the **The University of Arizona Foundation**

Visa Mastercard American Express

Card Number _____ Expiration Date _____

Cardholder's name as it appears on card _____

Card Billing Address:

Please return registration form and payment to:

Office of Continuing Education

The University of Arizona College of Pharmacy

PO Box 210202

Tucson, Arizona 85721-0207

Fax: 520-626-2023

