



# Comparative Effectiveness Research Certificate Program

## Target Audience

Clinical decision-makers including pharmacists, researchers, journal editors and reviewers, and health care stakeholders who use, review and synthesize evidence to make health care decisions

## About the CER Collaborative

AMCP, ISPOR, and NPC formed the CER Collaborative to provide greater uniformity and transparency in the evaluation and use of evidence for coverage and health care decision-making with the ultimate goal of improving patient outcomes.

## Partnership for Development

The University of Maryland School of Pharmacy joins the CER Collaborative and engages the educational technologies of the CIPS Knowledge Enterprise to develop, design, and deliver this program for health decision-makers.

## Knowledge you need....When you need it!

## Contact Us

### The Center for Innovative Pharmacy Solutions

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**CE Credits:** 19 Contact Hours; 1.9 CEU

**UAN#:** 0025-0000-14-087-B04-P

**Certificate No.:** KE-CN#CERC01

**Fee:** \$895  
\$595 for AMCP Members  
\$400 for Students

**Initial Release:** March 25, 2014

**Expiration:** March 25, 2017

## CER Collaborative



Academy of  
Managed Care  
Pharmacy\*



The growing availability of new research methods poses challenges and opportunities for today's formulary decision-maker. There is little guidance on how to evaluate and use these new studies, creating a risk for two undesirable outcomes: new study data being misinterpreted or critical information not being used to inform decision-making. However, a new online CER Collaborative tool is available to help evaluate and incorporate this growing body of evidence into decision-making.

The goal of the Comparative Effectiveness Research (CER) certificate program is to guide pharmacists and other clinical decision-makers by advancing their expertise in assessing evidence that comes from new, unfamiliar research designs, particularly observational research methods, indirect treatment comparisons, modeling, and meta-analyses.

The certificate program will increase the learner's awareness, understanding, and confidence in one's ability to critically appraise new study designs and synthesize evidence to guide formulary and coverage decisions.

The 19-hour certificate program emphasizes the use of an online CER tool and resource materials developed by the CER Collaborative in an effort to increase the consistency and transparency of the analyses of CER studies. The CER Collaborative online tool serves as a guide for learners as they assess the quality, relevance and rigor of evidence in CER studies.

The certificate program guides learners in the application of the research methods and tools to assess current questions in real-world settings. The certificate program is comprised of five online modules and one onsite four hour workshop. Learners will improve their analytical skills through the peer critique of case presentations. The Knowledge Enterprise's robust, interactive, online learning environment is designed for hands-on practice using case studies.

[www.pharmacists4knowledge.org/cips/CER](http://www.pharmacists4knowledge.org/cips/CER)



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## Instructors

From the University of Maryland School of Pharmacy

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Program Director



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## Conflict of Interest

**Disclosure:** In accordance with the University of Maryland School of Pharmacy Policy on Conflicts of Interest, faculty certify that they had no potential conflicts of interest while developing the materials for this program.

## Learning Objectives:

At the end of this practice-based activity, learners in the program can expect to achieve the following learning outcomes:

1. Demonstrate the use of comparative effectiveness research (CER) in health care clinical and formulary decision-making;
2. Evaluate appropriateness and methodological rigor of a single observational or synthesis study;
3. Synthesize the literature across research designs; and
4. Using available tools, apply CER methods to current medication-related decisions.

**Login and Learn:** To register for the Comparative Effectiveness Research Certificate Program login to [www.pharmacists4knowledge.org](http://www.pharmacists4knowledge.org) and click on the 'Courses' tab. Under the 'Certificate' section, choose the appropriate Certificate Program and click 'Add to Cart'. View your cart to register for the Certificate Program. AMCP Members should select the AMCP-specific listing on the 'Courses' tab. Students should contact [memberservices@amcp.org](mailto:memberservices@amcp.org).

Want to try it? You can register for the Free Demo on the 'Courses' page.

**Successful completion** of this certificate program requires completion of each of the five online modules and participation in the onsite four hour workshop. In order to complete each of the online modules, learners must complete all activity components including the audiovisual presentations, active learning exercises, and post-tests for each chapter. Participants must receive a score of at least 70% on each post-test in order to receive credit (19 Contact Hours). Each post-test may be taken up to three (3) times. The online modules must be completed prior to attending the onsite workshop.

**Technology Requirements:** To access the course materials, you must use a computer with an Internet connection and an online browser that supports the Adobe® Flash® Player version 10. Mozilla® Firefox, Windows Internet Explorer 9 or higher, or Apple® Safari® for desktop are acceptable browsers.

**Privacy and Confidentiality:** The Center for Innovative Pharmacy Solutions (CIPS) is committed to protect the privacy of our learners; CIPS complies with federal regulations regarding privacy and confidentiality. Email addresses may be used periodically to update learners on course offerings and new learning resources. Certain personal information will be provided to the professional certifying entity in order to issue Certificates of Credit. No personal information will be sold to third parties. Your Activity Evaluation responses will be analyzed in aggregate.

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- A refund, less a \$15 administration fee, will be processed if cancellations are made within 15 days of the ordering date. Other restrictions may apply.
- Refund requests must be submitted in writing to [cips@rx.umaryland.edu](mailto:cips@rx.umaryland.edu).
- Refunds are not available for the following circumstances:
  - A learner has logged into a course or series;
  - Has launched course materials;
  - Course materials have been shipped; or
  - If the refund request is made after 15 days of the ordering date.
- Course registrations are non-transferrable.

**Begin your course by logging in to the Knowledge Enterprise!**  
[www.pharmacists4knowledge.org](http://www.pharmacists4knowledge.org)