**Graduate Certificate in Comparative Effectiveness Research**

**Program Features**

Comparative effectiveness research is a growing field that aims to generate evidence to improve health care decisions for patients and providers. It examines the benefits and risks of different medical or healthcare interventions, including drugs and medical technology. The results of these comparison studies are used by clinicians, patients and policy makers to make well informed healthcare decisions and thereby improve patient care.

**Learning Objectives**

The Graduate Certificate in CER provides UW pre-doctoral graduate students with multidisciplinary support and training that will enable them to:

- Use rigorous, state-of-the-art research methods to conduct CER projects,
- Design and execute well-designed CER studies,
- Disseminate the results of CER studies to local, regional and national stakeholders through presentations and publications in the peer reviewed and gray literature,
- Engage a variety of stakeholders (clinicians, payers, patients, caregivers, employers) in discussions about CER,
- Understand, appreciate, and perhaps be involved in policy discussions around implementing the results of CER studies at the local, regional and national levels,

**Course Title**

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<thead>
<tr>
<th>Course Title</th>
<th>PORPP</th>
<th>HSERV</th>
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<tbody>
<tr>
<td>HSERV 523: Advanced Health Services Research Methods, quarter 1</td>
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<td>HSERV 524: Advanced Health Services Research Methods, quarter 2</td>
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<td>HSERV 525: Advanced Health Services Research Methods, quarter 3</td>
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<td>PHARM 534/HSERV 583: Economic Evaluation in Health and Medicine</td>
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<td>PHARM 535/HSERV 584: Assessing Outcomes in Health and Medicine</td>
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<td>PHARM 536: Advanced Methods in CER</td>
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<td>EPI 541/ HSERV 529/ MEBI 541: Introduction to Meta Analysis</td>
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<td>BIOST/STAT 578A: Bayesian Statistics for the Health Sciences</td>
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<td>CAPSTONE Project</td>
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<td><strong>TOTAL CREDITS FOR CERTIFICATE</strong></td>
<td>18</td>
<td>16</td>
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**Who Should Apply?**

Eligibility restricted to current University of Washington graduate students.

**Requirements:**

To obtain the Graduate Certificate, students are required to complete a set of advanced courses in CER that will count toward their electives in their respective PhD programs. The trainees must also complete a capstone project that represents independent work in CER performed under the supervision of a CER core or affiliate faculty member.

**Contact:**

206-616-1383  
http://sop.washington.edu/porpp/certificate-programs/certificate-programs.html  
Beth Devine: bdevine@uw.edu
**Health Sciences Fields Involved in CER**

- Epidemiology and Biostatistics
- Outcomes Research
- Health Services Research
- Health Economics
- Decision Modeling/Sciences
- Pragmatic Clinical Trials
- Health Information Technology
- Real-world Implementation

**Faculty**

**Leadership Team:**
L. P. Garrison, Jr., PhD, Director, Certificate Program, Professor, Pharmaceutical Outcomes Research & Policy
Beth Devine, PharmD, MBA, PhD, Associate Professor, Pharmaceutical Outcomes Research & Policy
Anirban Basu, PhD, Director, Pharmaceutical Outcomes Research & Policy Program, Professor, Pharmacy & Health Services

**Additional Steering Committee Members:**
David Grembowski, PhD, Professor, Health Services
Larry Kessler, ScD, Professor and Chair, Health Services
Sean Sullivan, PhD, Professor, Pharmaceutical Outcomes Research & Policy
David Veenstra, PharmD, PhD, Professor, Pharmaceutical Outcomes Research & Policy

**Admissions Information**

*Eligibility Limited to Current UW Graduate Students*

Rolling Application Submission
Notification: 3 weeks after submission of application

Additional application information and the application form is available on the Certificate website.

**Capstone Project**

Several courses in the CER Certificate coursework, core PhD coursework, and elective coursework require scholars to complete a class project within each quarter; these courses are so designated. CER scholars may use any of these class projects as a springboard to their capstone project. What will distinguish the capstone project from a class project is that the capstone project is to be of publishable quality and is to be submitted to a peer-reviewed journal for publication. The capstone project may be used as a cornerstone to thesis or dissertation research, but will constitute, at most, a part of this larger degree requirement.