



# Spring course covers science of translating and implementing evidence-based research in community and clinical settings

## POP HLTH 709 – Translational and Outcomes Research in Health and Health Care

**POP HLTH 709** will introduce you to translational research methods, issues, and competencies, including effectiveness, dissemination, implementation and policy research. Professor Andrew Quanbeck will take you through the steps of designing a sound and competitive project—from developing the research question to reporting the findings.

**This course focuses on health issues and settings** and is very appropriate for students whose research interests fall into those contexts and/or are seeking to engage with community partners in conducting their research. This is a very practical class with weekly activities that will enhance students' research toolkits.

**The course is recommended for those with at least one or two courses in research design and/or analysis.**

Prerequisite: consent of instructor. To enroll in **POP HLTH 709**, e-mail Dr. Quanbeck at [arquanbe@wisc.edu](mailto:arquanbe@wisc.edu). After you receive permission, forward the e-mail that states Dr. Quanbeck's permission and your UW Student ID number to [thowe2@wisc.edu](mailto:thowe2@wisc.edu) and to Deidre Vincevineus at [vincevineus@wisc.edu](mailto:vincevineus@wisc.edu).

**Andrew Quanbeck, PhD**, is an assistant professor in the University of Wisconsin's Department of Family Medicine and Community Health and an honorary associate of the University of Wisconsin's Department of Industrial & Systems Engineering. Dr. Quanbeck's research draws upon concepts from systems engineering in developing innovative approaches to the implementation of evidence-based practices in healthcare. His research focuses specifically on the prevention and treatment of substance use disorders in primary care settings.



### **COURSE CONTENT**

This course fulfills the core requirement for the **Certificate in Clinical and Community Outcomes Research**. Learn more at <https://ictr.wisc.edu/certificate-research-programs/>.

1. **Translational and outcomes research in health and health care**
2. **Developing the research question: setting priorities, policy relevance**
3. **Effectiveness research strategies and methods**
  - Comparative effectiveness research
  - Institute of Medicine priorities
  - Methods for effectiveness research
4. **Dissemination and implementation research strategies and methods**
  - Healthcare provider behavior change
  - Experimental and quasi-experimental methods
  - Patient behavior change
  - System redesign
  - Qualitative research
  - Community settings
  - Community intervention trials
5. **Policy research strategies and methods**
  - Simulation models
  - Cost-effectiveness of interventions
6. **Research regulations**
  - Human subjects research
  - HIPAA regulations
7. **Communicating the results**
  - With researchers
  - With practitioners and partners
8. **Partnering to implement change**
  - Action research
  - Quality improvement research

### **MULTIDISCIPLINARITY**

Students from previous semesters represent the diversity of professional backgrounds one would expect from those interested in engaging in translational research – biomedical engineering, systems engineering, counseling psychology, education, medicine, nursing, occupational therapy, pharmacy, physical therapy, population and public health and the social sciences. Pairings for group projects are strategically formulated to advance multidisciplinary thought processes.



**Department of  
Population Health Sciences**  
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