

Health Outcomes and Policy Discovery Pathway

Department of Health Outcomes and Policy: <http://health-outcomes-policy.ufl.edu/>
Discovery Pathway Description: <http://discovery.education.med.ufl.edu/discovery-tracks>

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What is Health Outcomes Research?

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Broadly, addresses the following three questions:

- ❖ What works?
- ❖ For which patients or populations?
- ❖ Under what circumstances?

ACCESS TO CARE
quality of care
prevention science
comparative effectiveness research
dissemination and implementation science
health risks & behaviors
health disparities
health care system organization and financing

Skills/Experience Gained from HOP Training can be used to

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- ❖ evaluate and inform health policy, health care delivery, and community-level interventions
- ❖ develop evidence-based programs and policies targeting health promotion, disease prevention, improved care delivery, and enhanced health outcomes
- ❖ translate research into practice and policy
- ❖ promote more equitable and appropriate delivery of health care and interventions, particularly for underserved and vulnerable populations

Pathway Objectives

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- ❖ Demonstrate foundational understanding of core concepts and methodologies used in health outcomes and policy evaluation and research
- ❖ Critically analyze peer-reviewed articles in the health outcomes and policy academic literature
- ❖ Formulate a research question or problem statement and use appropriate and rigorous methods to conduct a final project
- ❖ Present project at ICHP Research Day, Fall 2015
- See track description for more detailed requirements

Example MSRP 2015 Projects

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Screening in Primary Care Pediatrics: Can it be done well and can it be improved?

Dr. Lindsay Thompson, MD, MS; Pediatrics & Health Outcomes and Policy

- ❖ Using Bright Futures, the AAP recommended periodicity table and extensive literature searches, construct a plan to better integrate improvement efforts in primary care screening in the pediatric setting.

Complex Care Management for Technology-Assisted Children: a Case Series for Model Improvement

Dr. Nackashi, MD and Dr. Thompson, MD, MS; Pediatrics & Health Outcomes and Policy

- ❖ Use a case-series approach, critically examine the literature and chart review in a series of the most medically complex children within a special health plan for children with special health care needs in north Florida serving low income children, examining the multiple factors associated with G-tube management in the natural setting.



Example MSRP 2015 Projects

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Focus Groups of Health Providers using Florida's Prescription Drug Monitoring Program (PDMP)

Dr. Chris Delcher, PhD; Health Outcomes and Policy

- ❖ Working closely with the Florida Prescription Drug Monitoring Program (PDMP) staff at the Florida Department of Health, we will identify a sample of prescribers at high, medium, and low levels of PDMP usage) and conduct three focus groups in geographically diverse parts of the state to evaluate use of the PDMP.

Making Scientific Knowledge Computable

Dr. William Hogan, MD, MS; Health Outcomes and Policy

- ❖ Projects that seek to take biomedical scientific knowledge and make it accessible to computers. Computers can then help humans conduct science: the entire process from hypothesis formation, retrieval of data and information necessary to prepare and execute a study design, collection of data for research, analysis of data, drawing of conclusions based on data, cataloging of the data and new knowledge so derived. A key component of this work is the development of biomedical ontologies.
- ❖ Project example: capture of scientific information in infectious disease epidemiology - catalog information in a form that can easily be reused in the creation of epidemic simulators
- ❖ Project example: scientific capture of information about drugs - capture the mechanisms of action, physiological effects, therapeutic indications, metabolism, and effects on various enzymes and transporters that frequently lead to side effects and interactions with other drugs, natural products, and foods.

Contacts

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Thank you!

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