Health Economics and Outcomes Research (HEOR) Track

**Program Goals**

- To train students in pharmaceutical outcomes research that improves clinical decision making for patients, providers, payers, pharmaceutical industry and government.
- To conduct research on the clinical, economical and humanistic effects of pharmaceuticals and services in healthcare.

**Research Focus**

- Pharmacoeconomics
- Outcomes research (Patient-Reported Outcomes)
- Pharmacoepidemiology
- Drug use studies
- Health care policy
- Secondary database analysis (Public healthcare databases, Electronic medical records)

**Program Coursework** [*Requirement: 6 Crs course work and 3 Crs Independent study (~9 hours)*]

- **Research Methods** (GPSC 589) – 2 Crs, Fall (PYII or III) & **Healthcare Databases** (GPSC 519) – 1 Cr, Fall (PYII or III)
  
  *Both courses offered every year*
  
  The course focuses on the various design alternatives currently available to the evaluative researcher and the common methodological and practical problems encountered while working with health care programs. The student will develop expertise in qualitative research, database analysis (claims and electronic medical records), and survey research.

- **Patient-Reported Health Outcomes** (GPSC 591) - 3 Crs, Fall (PYII or PYIII)
  
  *The course is offered every alternate year (next offering Fall 2018)*
  
  The course focuses on patient-reported outcomes such as quality of life, patient satisfaction, and adherence that evaluate the impact of disease, medical care and treatment from the patient's perspective.

- **Pharmacoeconomic Evaluations** (GPSC 590) - 3 Crs, Spring (PYIII)
  
  *The course is offered every year*
  
  The course provides an overview of the role of economic evaluation in health care with a special emphasis on pharmacy-related issues.

- **Independent Study** - 3 Crs, Spring (PYIII or PYIV)
  
  This provides an opportunity for students to conduct their own research or contribute to existing research projects.

- Presentation of research work at the annual meetings of the Academy of Managed Care Pharmacy (AMCP) and International Society for Pharmacoeconomics and Outcomes Research (ISPOR)
CURRENT PHARM.D. ADVISEES (Research)

Brianna Cauley (Pharm.D., 2018): Patient reported outcomes instruments in clinical practice.
Sha-Phawn Williams (Pharm.D., 2017): Patient reported outcomes instruments in clinical practice.
Andrew Gaiser (Pharm.D., 2017): Ethical and economic perspectives regarding coverage policies related to expanded naloxone access efforts.
Erica Loadman (Pharm.D., 2017): Monetary costs of multiple medication use for the treatment of individuals in recovery from chemical dependency.

PAST PHARM.D. ADVISEES

- Lindsey Sosnowski (Pharm.D., 2016): Young-onset Parkinson’s disease and quality of life [Merck Fellow, Global Medical Affairs in Oncology]
- Anastasia Ipatova (Pharm.D., 2016): Cystic fibrosis and quality of life [Walgreens Specialty PGY1 Residency]
- Ashley Adams (2015): A pharmacoeconomic evaluation of enzalutamide in metastatic castration-resistant Prostate Cancer. [PGY-1/Pgy2/MS Health System Pharmacy Administration Resident Michael E. Debakey Veterans Affairs Medical Center, Houston]
- Sara Barna (Pharm.D., 2014). Hematologic/Oncology FDA-Approved Products in 2013 [Pursuing Dental program at University of Pittsburgh]
- Lauren Pusateri (Pharm.D., 2012). Estimating the burden of rheumatoid arthritis on patients’ work productivity [Current Position: Senior Pharmacist at Highmark Inc, Pittsburgh; Past: Clinical Outreach Pharmacist at Catamaran; Resident at RegenceRx, Portland, OR 2012-2013]
- Erin Henlyshyn (Pharm.D., 2010). Pulmonary rehabilitation: A budget impact model to evaluate how policy changes will impact reimbursement from a managed care perspective. [Current Position: Associate Director, Global Outcomes Research, Takeda; Past: Fellow at Xcenda, Tampa, FL 2010-2012]

Rotation Sites:
Xcenda, Tampa, FL
Glaxo SmithKline, HEOR Group, RTP, NC

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