



Overview

Established in 2019, the University of Florida Center for Drug Evaluation and Safety, or CoDES, aims to improve public health by enhancing and disseminating evidence on the safety and value of medications in real-world populations. CoDES unites a multidisciplinary group of big data researchers in epidemiology, health economics, health services research and decision-sciences who evaluate and project drug outcomes to guide policy and clinical and personal decision-making. In addition to delivering new actionable evidence, CoDES fosters the development of new methods and analytic tools to enhance drug evaluation and regulatory science.

Focus

CoDES develops and integrates resources on the assessment and improvement of drug use locally, nationally and internationally through five distinct research programs:

- ▶ Phase IV studies evaluate drug safety and effectiveness in real-world populations to enhance pre-approval evidence.
- ▶ Pharmacoeconomic studies assess the value of drugs and related programs to guide investment of personal, payer and societal resources.
- ▶ Medication use quality studies evaluate the quality and determinants of medication use to direct the allocation of programmatic resources and policy.
- ▶ Pharmaceutical predictive analytics studies develop predictive tools for drug response and adverse events to support clinical care and related policy.
- ▶ Pharmaceutical policy studies evaluate policy surrounding medication use to enhance programmatic efforts aimed to improve access and quality of drug therapy.



Almut G. Winterstein, R.Ph., Ph.D., FISPE
Professor and Chair
Department of Pharmaceutical
Outcomes and Policy
College of Pharmacy

Director, Center for Drug
Evaluation and Safety

CENTER FACTS

300 million
lives' health care records

20+
researchers

4
UF Health colleges involved

190+
peer-reviewed publication by
center members in 2018-19

1
postdoctoral fellow

We translate big data into even bigger, healthier and safer outcomes.



Activities

Activities at CoDES aim to build a foundation for real-world data research.

- ▶ Big data infrastructure — CoDES has access to health care records for more than 300+ million lives.
- ▶ Big drug data analytical support — CoDES provides expertise in the measurement of drug exposure and outcomes/phenotypes, causal inference and predictive design and analysis.
- ▶ Research exchange — CoDES maintains an email listserv, website, Twitter account and seminar series.
- ▶ Postdoctoral fellowship program — CoDES has introduced a postdoctoral fellowship program that capitalizes on the interdisciplinary nature of its researchers, with the goal of training the next generation of researchers.

CoDES Research Team

Patrick Antonelli, M.D.

Department of Otolaryngology
College of Medicine

Joshua Brown, Pharm.D., Ph.D.

Department of Pharmaceutical
Outcomes & Policy
College of Pharmacy

Babette Brumback, Ph.D., M.A.

Department of Biostatistics
College of Public Health and Health
Professions

Regina Bussing, M.D., M.S.

Department of Psychiatry
College of Medicine

Larissa Cavallari, Pharm.D.

Department of Pharmacotherapy and
Translational Sciences
College of Pharmacy

Karam Diaby, Ph.D., M.Sc.

Department of Pharmaceutical
Outcomes & Policy
College of Pharmacy

Roger Fillingim, Ph.D.

Department of Community Dentistry
College of Dentistry

Amie J. Goodin, Ph.D.

Department of Pharmaceutical
Outcomes & Policy
College of Pharmacy

**Juan Hincapie-Castillo,
Pharm.D., Ph.D.**

Department of Pharmaceutical
Outcomes & Policy
College of Pharmacy

Jenny Lo-Ciganic, Ph.D., M.S.

Department of Pharmaceutical
Outcomes & Policy
College of Pharmacy

Todd Manini, Ph.D.

Department of Aging
& Geriatric Research
College of Medicine

Haesuk Park, Ph.D.

Department of Pharmaceutical
Outcomes & Policy
College of Pharmacy

Sonja Rasmussen, M.D., M.S.

Department of Pediatrics & Epidemiology
College of Medicine and College of Public
Health and Health Professions

Stephan Schmidt, Ph.D.

Department of Pharmaceutics
College of Pharmacy

Rich Segal, Ph.D.

Department of Pharmaceutical
Outcomes & Policy
College of Pharmacy

Hui Shao, Ph.D.

Department of Pharmaceutical
Outcomes & Policy
College of Pharmacy

Steve Smith, Pharm.D., M.P.H.

Department of Pharmacotherapy and
Translational Sciences
College of Pharmacy

Patrick Tighe, M.D., M.S.

Department of Anesthesiology
College of Medicine

Scott M. Vouri, Pharm.D., Ph.D.

Department of Pharmaceutical
Outcomes and Policy
College of Pharmacy

Jenny Wei, Ph.D., M.S.

Department of Pharmaceutical
Outcomes & Policy
College of Pharmacy