

Curriculum Vitae
Almut G. Winterstein, RPh, PhD, FISPE

University of Florida, College of Pharmacy
PO Box 100496
Gainesville, FL 32610-0496

Phone: +1 (352) 273-6268

Fax: +1 (352) 273-6270

email: almut@ufl.edu

Present Position: Professor & Chair
 Department of Pharmaceutical Outcomes and Policy
 Robert and Barbara Crisafi Chair for Pharmaceutical Outcomes & Policy
 College of Pharmacy
 University of Florida

Short bio

Almut Winterstein received her pharmacy degree from Friedrich Wilhelm University in Bonn, Germany and her PhD in Pharmacoepidemiology from the Charité Humboldt University in Berlin, Germany. She joined faculty at the University of Florida in 2000 and holds the position of Professor and Chair in the Department of Pharmaceutical Outcomes and Policy at the College of Pharmacy, and an affiliate appointment in the Department of Epidemiology at the Colleges of Public Health and Health Professions and Medicine.

Dr. Winterstein's research interests focus on drug safety and effectiveness of approved drug products, and the evaluation and improvement of medication use. Clinical areas of pharmacoepidemiologic studies include in particular pediatrics, psychiatry, and infectious disease. Her interest in quality of care issues focuses on the development and evaluation of medication safety programs, clinical decision support systems and quality metrics. Almut has received funding from AHRQ, CMS, FDA, NIH and various professional associations and state agencies including the Florida Department of Health. She chairs the FDA/CDER Drug Safety and Risk Management Advisory Board (DSaRM) and serves on the Federal Interagency Work Group on Adverse Drug Events.

Education

Dr.rer.nat (Doctor of Philosophy) Magna cum laude	Pharmacoepidemiology / Social Pharmacy, Humboldt University, Charité, Berlin, Germany	1995-1999
Staatsexamen (pharmacy degree)	College of Pharmacy, Friedrich Wilhelm University, Bonn, Germany	1986-1990
Internship	Praktikum in Pharmacy, Römer Apotheke, Bad Münstereifel and Goldkopf Apotheke, Cologne, Germany	1990-1991
	License as Pharmacist	1991

Post-Doctoral Training

Research fellow in the DuBow Family Center for Research in Pharmaceutical Care, University of Florida, Gainesville, USA 1999-2000

Professional Positions

Chair, Department of Pharmaceutical Outcomes and Policy, College of Pharmacy, University of Florida 2016 – present

Professor, Department of Pharmaceutical Outcomes and Policy, College of Pharmacy, University of Florida 2012 – present

Graduate Program Director, Department of Pharmaceutical Outcomes and Policy, College of Pharmacy, University of Florida 2011 – 2014

Special Government Employee, FDA/CDER Drug Safety and Risk Management Advisory Board 2009 – present

Director, FDA/CDER & UF Graduate training program in Pharmaceutical Outcomes and Policy Research, University of Florida 2009 – 2012

Associate Professor, Department of Pharmaceutical Outcomes and Policy, College of Pharmacy, University of Florida 2008 – 2012

Assistant Professor, Department of Pharmaceutical Outcomes and Policy (POP), College of Pharmacy, University of Florida 2003 – 2008

Clinical Assistant Professor, Department of Pharmacy Health Care Administration, College of Pharmacy, University of Florida 2000 – 2003

Scientist at the DuBow Family Center for Research in Pharmaceutical Care, University of Florida, Gainesville, Florida 1999 - 2000

Independent contract work for Glaxo Wellcome, Hamburg, Germany; Merck KgAA, Darmstadt, Germany; German Pharmaceutical Association 1996 – 1999

Development work in Mutumba hospital, Burundi May 1991

Practicing pharmacist in Römer Apotheke, Germany 1991 – 1997

Academic Appointments

Graduate Faculty, PhD program in Epidemiology, College of Public Health and Health Professions and College of Medicine, UF 2009 – present

Affiliate Associate Professor, Department of Epidemiology and Biostatistics, College of Public Health and Health Professions, UF 2010 – present

Affiliate Assistant Professor, Department of Epidemiology and Biostatistics, College of Public Health and Health Professions, University of Florida 2007 – 2010

Affiliate Assistant Professor, Department of Health Services and Research, 2005 - 2006

Management and Policy, College of Public Health and Health Professions	
Core faculty, Institute on Aging, University of Florida	2001 – 2004
Graduate faculty, Master of Public Health Program, College of Health Professions and Public Health and College of Medicine, University of Florida	2001 – 2006
Graduate faculty, Ph.D. Program in Pharmaceutical Outcomes and Policy, College of Pharmacy, University of Florida	2000 – present

Report on Research and Scholarship

Grants and Contracts

Evaluating changes in Order Sets for inpatient Pain Management

UF Health Shands Endowment Fund

Principal investigator (0%)

1/1/2016 – 6/30/2016

This study will evaluate the effectiveness and safety of newly implemented explicit opioid titration protocols at UF Health Shands.

Real-time risk stratification of for hypo- and hyperglycemia to enhance glucose management outcomes in hospitals.

HHSF-223-2015-10118C [FDABAA-15-00121]

Principal investigator (PI): Winterstein (10%)

9/30/2015-9/29/2017

This study will evaluate the effectiveness of an EHR-based algorithm that ranks patients according to hypo- and hyperglycemia risk for pharmacist intervention in two UF Health hospitals.

Real-time communication of hypoglycemic risk to prioritize pharmacy medication management services

Principal investigator (PI): Winterstein (0%)

7/1/2015-6/30/2016

This study will pilot the feasibility and effectiveness of an EHR-based algorithm that ranks patients according to hypoglycemia risk for pharmacist intervention.

Inpatient Psychiatric Facility Outcome and Process Measure Development and Maintenance

HHSM-500-2013-13007I [HHSM-500-T0004]

Principal investigator (PI): Winterstein (20%) for UF/UF Health, Subcontract with Health Service Advisory Group

9/30/2014-9/29/2018

This contract will support the development and validation of eight new performance measures for inpatient psychiatric facilities along with the maintenance of existing measures.

Patient-Centric, Telephonic MTM Services after Discharge to Reduce Hospital Readmissions.
Consultant (PI: McLin)

**Attention Deficit Disorder and Attention Deficit Disorder with Hyperactivity (ADD/ADHD)
Treatment Patterns in Adult Medicaid Beneficiaries**

PI: Winterstein (10%)

MED152, AHCA Contract Title: Florida Center for Medicaid and the Uninsured (FCMU) University of Florida

7/1/2013 – 6/30/2015

This will be the first study to comprehensively describe ADD/ADHD treatment modalities in adult Medicaid beneficiaries.

Psychotropic Polypharmacy in Florida Medicaid

PI: Winterstein (7%)

MED152, AHCA Contract Title: Florida Center for Medicaid and the Uninsured (FCMU) University of Florida

7/1/2013 – 6/30/2015

This study aims to quantify potentially inappropriate psychotropic polypharmacy patterns in Medicaid children and adults. With focus on the Florida Medicaid program it will develop and present measures of polypharmacy in 29 US states and discuss variation in terms of presence of prior authorization programs or other efforts to improve psychotropic use.

Age-related Effects of Respiratory Syncytial Virus (RSV) Risk in Children with Chronic Lung Disease

PI: Winterstein (14%)

MED152, AHCA Contract Title: Florida Center for Medicaid and the Uninsured (FCMU) University of Florida

7/1/2013 – 6/30/2015

This study will expand on previous analyses in the Florida Medicaid population to evaluate at what age the RSV infection risk of children with chronic lung disease has dropped to the level of infection risk of healthy children at their first months of life to inform clinical and policy decisions regarding immunoprophylaxis.

Development and validation of a complexity score to identify hospitalized patients at high risk for preventable adverse drug events

PI: Winterstein (15%)

7/1/2013-6/30/2015 (no cost extension to 6/30/2016)

This grant uses electronic clinical data of 13 hospitals with diverse patient populations and electronic health records to develop and validate a prospective risk scoring system that can flag hospitalized patients at risk for preventable adverse drug events.

Scalable Partnering Network for CER: Across Lifespan, Conditions, and Settings

Subcontract to ARRA Award (PI: Daley)

1R01HS019912-01

Principal investigator for subcontract: Winterstein (10%)

7/1/2012 – 9/29/2013

The grant aims to design and implement an innovative, sustainable, distributed data network with enhanced capabilities to support comparative effectiveness research (CER) and to build four pairs of population-based cohorts suitable for conducting CER. The subcontract focuses on the development and evaluation of a cohort of children with attention deficit/hyperactivity disorder.

Imbalanced confounder associations between exposure versus outcomes can compromise propensity score-based adjustments – examination of a real-life example in pediatric psychopharmacology

DEcIDE-2 Subcontract: Research Consortia for Comparative Effectiveness Studies in Cancer, Cardiovascular Disease, Diabetes/ESDR, and Mental Health (PI: Crystal)

HHS-290-2010-000101

Principal investigator for subcontract: Winterstein (time donated)

6/12/2012-8/31/2012

This subcontract utilizes a real-life example in the evaluation of central nervous system stimulant safety to evaluate the validity of propensity score-based confounding adjustments in scenarios where confounder associations with exposure and outcomes are imbalanced.

Maintenance and Development of Medication Measures

HHS-500-2011-FL10C

PI: Winterstein (20%) for UF/UF&Shands, Subcontract with Health Service Advisory Group/FMQAI

8/1/2011-7/31/2014

Objectives:

- Develop new medication measures that address the detection and prevention of adverse medication-related patient safety events that can be used in future QIO SOWs and in CMS provider reporting programs
- Maintain the previously developed medication measures that are used in the 10th SOW, and/or are NQF endorsed
- Adapt/specify existing NQF-endorsed medication measures and develop new measures for implementation in CMS reporting programs

Medication Error Prevention and Reduction in Florida Critical Access Hospitals

PI: Winterstein (5/1/2006 - 8/31/2014)

Co-Principal investigator with Abraham Hartzema from 1/1/2003 - 4/30/2006)

Subcontract with the Florida Medical Quality Assurance, Inc.

Objectives:

- Evaluate and improve medication safety infrastructure, process and outcomes in Florida Critical Access Hospitals
- Develop a standardized medication safety assessment instrument specific to Critical Access Hospitals

Maintenance and Development of Medication Measures Special Project

HHS-500-2008-AZ9THC

PI: Winterstein (20%), Subcontract with Health Service Advisory Group

10/1/2009-6/30/2011

Objectives:

- Develop new medication measures that address medication use in ambulatory or long-term care relevant to Medicare Part D beneficiaries and that can be used in future QIO SOWs and in CMS provider reporting programs
- Maintain the previously developed medication measures that are used in the 10th SOW, and/or are NQF endorsed
- Adapt/specify existing NQF-endorsed medication measures and develop new measures for implementation in CMS reporting programs

Risk of RSV Infections and Effects on Prognosis in Children with Cystic Fibrosis

Amendment to MED054 (under CFDA 93.778)

PI: Winterstein (35%)

11/1/2009 – 6/30/2011

Objectives:

- Assess the impact of respiratory syncytial virus infections on CF progression
- Evaluate the effectiveness of palivizumab for RSV prophylaxis in infants and children with cystic fibrosis

Comparative Safety and Effectiveness of Stimulants in Medicaid Youth with ADHD

R01-HS0185606

PI: Winterstein (40%)

9/30/2009 – 9/29/2011

Objectives:

- Evaluate the cardiovascular safety of central nervous system stimulants in the treatment of ADHD
- Evaluate synergistic effects of psychiatric polypharmacy on cardiovascular safety
- Evaluate the effectiveness of stimulant treatment on driving performance in youth with ADHD

Pharmaceutical Outcomes and Policy Research Training Program for Health Science Graduates – Cohort 1&2

PI: Winterstein (25%)

7/2/2009 – 7/31/2012

Objectives:

- Train 5 (cohort 1) and 10 (cohort 2) new FDA employees on the level of a MSc in pharmaceutical outcomes and policy research

Effectiveness of Palivizumab in Older Infants

MED054 (under CFDA 93.778)

PI: Winterstein (20%)

7/1/08 – 6/30/10

Objectives:

- Evaluate the effectiveness of palivizumab in prevention of respiratory syncytial virus infections in younger (0-12 months) versus older (13-24 months) children

RSV Seasonality in Florida and Recommendations for Timing of Immunoprophylaxis

MED054 (under CFDA 93.778)

PI: Winterstein (20% in 08/09 and 10% in 09/10)

7/1/08 – 6/30-10

Objectives:

- Evaluate the CDC definition of RSV seasonality against hospitalizations incidence data
- Determine RSV seasons specific to Florida geographic regions
- Describe palivizumab utilization pattern and contrast these against RSV seasonality

Risk Factors for Intraoperative Vasoplegia and Post-surgical Recovery

PI: Winterstein (time donated)

5/1/2008 - 10/31/2009,

Objectives:

- Develop a database linkage between Shands at UF hospital administrative data, the Cardio-thoracic surgery registry data, and the Intraoperative anesthesia database to establish a comprehensive repository to evaluate the effect of pre- and intraoperative medication use on surgical outcomes
- Evaluate the effect of ACE-inhibitor use on intraoperative vasoplegia and post-surgical recovery

Consumer medication information evaluation project

FDA-SOL-07-00234

Co-Principal investigator (15%) (with Carole Kimberlin)

8/2007 – 7/2008

Objectives:

- Evaluate the compliance of medication information leaflets with FDA regulatory guidance
- Evaluate consumer comprehension of medication information leaflets
- Describe the offer and extent of counseling offered in UF retail pharmacies

Clinical Predictors of Non-Use of Perioperative Beta-Blockers

Co-Principal investigator (2%) (with Eric Rosenberg, MD)

3/1/07 – 2/28/08

Objectives:

- Describe patient and provider characteristics that are associated with non-use of indicated peri-operative beta-blockers

Palivizumab utilization, effectiveness, cost among Florida Medicaid recipients

PI: Winterstein (30%)

1/1/07 – 7/37/2008

Objectives:

- Describe the compliance with palivizumab utilization guidelines
- Evaluate palivizumab effectiveness in RSV infection prevention in community-dwelling infants and children
- Assess the cost-effectiveness of palivizumab use in RSV prevention

Academic Quality Support Agreement (AQSA) Clinical queries support

PI: Winterstein 7/1/05 - 6/30/06

Objectives:

- Develop and maintain 5 quality measures to contribute to Shands at UF hospital's pay-for-performance agreement (AQSA) with the UF College of Medicine

- To provide data support for quality improvement initiatives implemented as part of the AQSA agreement

Safety of central nervous system stimulants in the treatment of attention deficit / hyperactivity disorder in children and adults

PI: Winterstein (10%)

9/10/05 – 9/30//06

Objectives:

- Describe secular stimulant utilization pattern in Florida Medicaid children
- Evaluate the cardiovascular safety of central nervous system stimulants

(b) (4)



Health Information Technology (HIT) for Medication Safety in Critical Access Hospitals

P20 HS015325-01

PI: Hartzema

Investigator (10%),

10/1/04-3/31/05

Objectives:

- Evaluate HIT needs in Florida Critical Access Hospitals
- Develop an HIT implementation plan for these hospitals

Evaluation of Bristol-Myers Squibb-sponsored Disease Management Program for Florida Medicaid Populations

PI: Segal

Investigator (13%)

7/1/2004 - 12/31/2005

Objectives:

- Evaluate the effectiveness of a faith-based disease management program for diabetes patients in Medicaid

Clinical and economic evaluation of nesiritide in the prevention of acute renal failure after cardiac surgery.

Co-Principal Investigator (7.5%) with Abraham Hartzema

5/1/2004 - 7/31/04

Objectives:

- Evaluate the effectiveness of nesiritide in the prevention of acute renal failure after cardio-thoracic surgery

Evaluation and prediction of the long-term cost-benefit of a diabetes care program for Medicaid recipients

PI: Robert F. Frank

Investigator (40%)

3/1/2003 – 6/30/2004

Objectives:

- Develop a prediction model to quantify the impact of reduction in HbA1c on micro- and macrovascular outcomes in diabetes
- Assess Medicaid-specific cost associated with diabetes-related complications
- Develop an impact model that quantifies short- and long-term cost avoidance related to improvements in HbA1c

Nature and etiology of medication errors of omission – creating an advanced knowledge base through solicited error reporting

Co-Principal investigator (10%) with Eric I. Rosenberg,

9/1/2002 – 8/31/2003

Objectives:

- Quantify and describe types of medication errors of omission in general medicine wards

Clinical Pharmacy Demonstration Project in Community Health Centers

Investigator (time donated)

PI: Dan Robinson

1/1/2002 - 6/30/2004

Objectives:

- Implement and evaluate the effectiveness of a pharmacy-centered diabetes management program in community health centers

Development of a screening tool for medication errors in hospital inpatients

Principal investigator (time donated)

5/1/2001 – 4/30/2003

Objectives:

- Development and validation of quality measures for preventable drug-induced kidney injury in acute care

Development of a screening instrument for preventable drug-related morbidity in hospital inpatients

PI: Winterstein (10%)

1/1/2001 – 12/31/2003

Objectives:

- Assessment of high-priority areas of preventable adverse drug events through literature search, analysis of UF&Shands' adverse drug reaction reporting database, and a solicited error reporting study
- Development of quality measures for preventable hypo- and hyperglycemia in acute care

Qualipharm project

Co-Principal Investigator with Abraham G. Hartzema (0%)

1/1/2000 – 12/31/2000

Objectives:

- Development and validation of community-based quality indicators for asthma management

PICQIP performance indicators for continuous quality improvement in pharmacy.

Research fellow (100%)

PI: Charles D. Hepler

3/1/1999 – 2/28/2000

Objectives:

- Development and validation of quality indicators for ambulatory care pharmacy

Improving the well-being of elderly patients via community pharmacy based pharmaceutical care.

Research fellow

1996-1999

Principal investigator: James McElnay

Objectives:

- Develop, implement, and evaluate a community-based pharmaceutical care program for elderly patients. Included study sites in 8 European countries.

“OMA-study”: pharmaceutical care for elderly patients with multi-morbidity

Project director

PI: Marion Schaefer

1996-1999

Objectives:

- Develop, implement, and evaluate a community-based pharmaceutical care program for elderly patients. Included 40 community pharmacies in Germany.

Berlin Study: quasi-experimental study to improve drug therapy outcomes in an elderly multi-morbid population.

Project director

1995-1997

Objectives:

- Feasibility study to evaluate the effectiveness of pharmaceutical care interventions in elderly patients

Fellowship / Career Award / Training Grants

CTSC KL2 – Chronic conditions, polypharmacy, and Service Utilization among children from low income families

Mentor for Research Scientist in Epidemiology and Biostatistics, School of Medicine at Case Western Reserve University 2015-2019

R36-HS-022384-01 - Pre-existing diabetes and pregnancy

Mentor for grant and dissertation committee chair

Prevalence and incidence of nontuberculous mycobacteria in patients with cystic fibrosis

Student sponsor / dissertation committee chair

Funded for ^{(b) (4)} by the Cystic Fibrosis Foundation. 2012-2013

Type II Diabetes in Pregnant Women: Incidence, Drug Utilization and Outcomes of Women with Type II Diabetes during Pregnancy.

Dissertation committee chair

Effectiveness of Palivizumab Immunoprophylaxis in Children (and Youth) with Cystic Fibrosis.

Student sponsor / dissertation committee chair

Preventable kidney injury in critical care

Research mentor for PharmD candidate

(5/22/06 - 7/4/06)

Diuretic Therapy and the a-Adducin Polymorphism: Analysis of Gene-Drug Interactions in nested case-control studies

Dissertation committee chair

Identifying root causes of hyper- and hypoglycemic episodes for the development and implementation of interventions to decrease their incidence.

Research advisor for residency project



12/1/2002 – 11/30/2003

Bibliography

Original Articles

Senior or corresponding author (b) (6)

1. (b) (4)
2. Hu X*, Harman J, Winterstein AG, Zhong Y, Wheeler AL, Taylor TN, Plankey M, Rubtsova A, Cropsey K, Cohen MH, Adimora AA, Milam J, Adedimeji A, Cook RL. **Utilization of alcohol treatment among HIV-positive women with hazardous Drinking.** J Sub Abuse Treatment 2016 May;64:55-61 PMID: 26961420
3. Xu D*, Daniels MJ, Winterstein AG. **Sequential BART for imputation of missing covariates.** Biostatistics. 2016 Jul;17(3):589-602 Mar PMID: 26980459
4. (b) (4)
5. Chen CY*, Bussing R, Hartzema AG, Shuster J, Segal R, Winterstein AG. **Stimulant use following the publicity of cardiovascular safety and the introduction of patient medication guides.** Pharmacoepidemiol Drug Saf 2016 Jun;(6):678-86 2015 PMID: 26597624

6. Liu X*, Shah V, Kubilis P, Xu D, Bussing R, Winterstein AG. **Psychotropic treatment pattern in Medicaid pediatric patients with concomitant ADHD and ODD/CD**. J Attention Dis 2015 Aug PMID: 26269095
7. Knox C*, Hampp C, Willy M, Winterstein AG, Pan GD. **Patient understanding of drug risks: an evaluation of medication guide assessments**. Pharmacoepidemiol Drug Saf. 2015 Mar 23;24(5):518-525 PMID: 25808393.
8. Ali AK, Hartzema AG, Winterstein AG, Segal R, Lu X, Hendeles L. **Application of Multicategory Exposure Marginal Structural Models to Investigate the Association between Long-Acting Beta-Agonists and Prescribing of Oral Corticosteroids for Asthma Exacerbations in the Clinical Practice Research Datalink**. Value Health. 2015 Mar;18(2):260-70. PMID: 25773561.
9. ^{(b) (4)} 
10. ^{(b) (4)} 
11. Liu X*, Kubilis P, Xu D, Bussing R, Winterstein AG. **Psychotropic Drug Utilization in Children with Concurrent Attention-Deficit/Hyperactivity Disorder and Anxiety**. J Anxiety Dis 2014;28:530-536 PMID: 24981018
12. Winterstein AG, Kubilis P, Bird S, Cooper-DeHoff R, Nichols G, Delaney JAC. **Misclassification in Assessment of Diabetogenic Risk using Electronic Health Records**. Pharmacoepi Drug Saf 2014 Aug;23(8):875-81 PMID: 24923707
13. Bussing R, Narwaney KJ, Winterstein AG, Newton DA, Debar L, Boscarino JA, Toh S, Pawloski P, Nordin JD, Herrinton LJ, Mason D, Daley MF. **Pharmacotherapy for Incident Attention-Deficit/Hyperactivity Disorder: Practice Patterns and Quality Metrics**. Current Med Res Opinion 2014 Aug;30(8):1687-99 PMID: 24635013
14. Knox CA*, Delaney JAC, Winterstein AG. **Anti-diabetic drug utilization of pregnant diabetic women in US managed care**. BMC Pregnancy Childbirth. 2014 Jan;14:28 PMID: 24438493
15. Toh S, Avorn J, D'Agostino RB Sr, Gurwitz JH, Psaty BM, Rothman KJ, Saag KG, Sturkenboom MC, Vandenbroucke JP, Winterstein AG, Strom BL. **Re-using Mini-Sentinel data following rapid assessments of potential safety signals via modular analytic programs**. Pharmacoepidemiol Drug Saf. 2013;22(10):1036-45 PMID: 23922322
16. DeHoff R, Delaney JAC, Bird S, Nichols G, Winterstein AG. **Antihypertensive Drug Class Interactions and Risk for Incident Diabetes; a Nested Case Control Study**. JAHA 2013 Jun 10;2(3):e000125 PMID: 2375271
17. Birnbaum ML, Saito E, Gerhard T, Winterstein A, Olsson M, Kane JM, Correll CU. **Pharmacoepidemiology of Antipsychotic Use in Youth with ADHD: Trends and Clinical Implications**. Curr Psychiatry Rep. 2013 Aug;15(8):382. PMID: 23881713.
18. Winterstein AG, Knox C, Kubilis P, Hampp C. **Accuracy of Age Thresholds for Respiratory Syncytial Virus Immunoprophylaxis in Late-Preterm Infants - A cohort study**. JAMA Pediatrics 2013 Dec 1;167(12):1118-24 PMID: 24126903
19. Winterstein AG. **Cardiovascular safety of stimulants in children: findings from recent population-based cohort studies**. Curr Psychiatry Rep. 2013 Aug;15(8):379. PMID: 23913135

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22. Winterstein AG, Liu W, Xu D, Antonelli PJ. **Sensorineural hearing loss associated with neomycin eardrops and non-intact tympanic membranes.** *Otol Head Neck Surg* 2013 Feb;148(2):277-83 PMID: 23264116
23. Winterstein AG, Eworuke E, Xu D, Schuler P. **Palivizumab immunoprophylaxis effectiveness in children with cystic fibrosis.** *Pediatr Pulmonol* 2013 Sep;48(9):874-84 PMID: 23139089
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25. Winterstein AG, Gerhard T, Kubilis P, Saidi A, Linden S, Crystal S, Zito J, Shuster JJ, Olfson M. **Cardiovascular safety of central nervous system stimulants in children and adolescents: population based cohort study.** *BMJ* 2012 Jul;345:e4627 PMID: 22809800
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28. Eworuke E*, Hampp C, Saidi A, Winterstein AG. **An algorithm to identify premature infants in administrative claims data.** *Pharmacoepidemiol Drug Saf* 2012 Jun;21:640-50 PMID: 22504840
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30. Winterstein AG, Hampp C, Saidi A. **Effectiveness of palivizumab prophylaxis in infants and children in Florida.** *Pharmacoepi Drug Saf* 2012;21:53-60
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32. Winterstein AG. **Rosiglitazone and the risk of adverse cardiovascular outcomes.** *Point/Counterpoint in Clin Pharmacol Ther* 2011;89(6):776-778
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42. He J*, Beaver T, Winterstein AG. **Projecting the effect of nesiritide on dialysis and hospital mortality in cardiac surgery patients**. *Value in Health* 2010;13(5):643-8
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45. Chen CY*, Gerhard T, Winterstein AG. **Determinants of initial pharmacological treatment for youths with attention-deficit/hyperactivity disorder**. *J Child Adolesc Psychopharmacol* 2009;19:187-95
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(Almut Winterstein, formerly Almut Müller-Jaeger)

Letters to the Editor / Editorials / Commentaries

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86. Bussing R, Winterstein AG. **Polypharmacy in attention deficit hyperactivity disorder treatment: current status, challenges, and next steps.** Curr Psychiatry Rep 2012 Oct;14(5):447-9 PMID: 22684300
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89. Winterstein AG, Heckbert S, Schambelan M. **Intensive glucose lowering and cardiovascular outcomes.** Letter to the editor. NEJM 2011;364:2263
90. Hampp C*, Kauf T, Winterstein AG. **Small Budget Impact is a Result of Flawed Assumptions and Ignores Questionable Cost-Effectiveness for RSV Prophylaxis.** Value Health 2010;13(5):684
91. Hampp C*, Winterstein AG. **Response to: Respiratory syncytial virus: seasonal data for regions of Florida and implications for palivizumab.** (letter to the editor) Southern Med J 2008;101(2):212-3
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Book Chapters

Winterstein AG. Pharmacoepidemiology. In Andresen E, DeFries Bouldin E. Public Health Foundations – Concepts and Practices. Jossey-Bass, San Francisco, CA, 2010. Pages 161-176

Weiner ID, Winterstein AG. Drug-induced Nephrotoxicity, in Hartzema AG, Tilson H, Chan A. Pharmacoepidemiology – An Introduction. 4th edition. Harvey Whitney Publishing, Cincinnati, OH 2008, 907-932

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Doctoral Thesis

Winterstein AG, **Basics and methods of outcomes evaluation in Pharmaceutical Care – an experimental study to improve drug therapy outcomes in an elderly multimorbid population.** Dissertation, Humboldt University Berlin, 1999

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Reports

Winterstein AG, Bussing R, Keenan M, Pace K, Turner K, Xu D, Yang T-H, Zambrano D, Campbell K. **Inpatient psychiatric facility all-cause unplanned readmission measure. Version 1.0.** Technical report to the Centers for Medicare and Medicaid Services. December 2015 (58 pages)

Winterstein AG, Liu X, Hincapie-Castillo J, Bussing R. **Psychotropic polypharmacy in Florida Medicaid.** Report to the Agency for Healthcare Administration, 2015 (39 pages)

Winterstein AG, Kubilis P. **Age-related effects of RSV risk in children with chronic lung disease.** Report to the Agency for Healthcare Administration, 2015 (10 pages)

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Winterstein AG, Delaney JA, Kubilis P, Crystal S, Gerhard T. **Imbalanced confounder associations between exposure versus outcome can compromise propensity score-based adjustments – examination of a real-life example in pediatric psychopharmacology**

Report to the Agency for Healthcare Research and Quality (AHRQ) DEcIDE Network, 2013 (31 pages)

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Winterstein AG, Odia E, Xu D, Schuler P. **Risk of Respiratory Syncytial Virus (RSV) Infections and Effects on Disease Prognosis in Children with Cystic Fibrosis.** Report to the Agency for Healthcare Administration, Division of Medicaid. June 2011 (75 pages)

Winterstein AG, Hampp C, Kubilis PS. **Effectiveness of palivizumab in older premature infants.** Report to the Agency for Healthcare Administration, Division of Medicaid. June 2010 (15 pages)

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Hampp C*, Winterstein AG. **RSV Seasonality and Numbers Needed to Treat with Palivizumab in Florida Medicaid.** Report to the Agency for Healthcare Administration, Division of Medicaid. March 2009 (11 Pages)

Kimberlin C, Winterstein AG. **Expert and Consumer Evaluation of Consumer Medication Information – 2008.** Report to the Center for Drug Evaluation and Research at the Food and Drug Information. February 2008 (32 pages)

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Frank R, Segal R, Winterstein AG, Hartzema AG, Chorba L. **Evaluation of the DiabetikSmart Program – clinical effectiveness of phase II.** Report to the Agency for Healthcare Administration, Division of Medicaid. 2006 (30 pages)

Frank R, Segal R, Hartzema AG, Winterstein AG, Taylor MD, Snedecor S, Chorba L. **Evaluation of the DiabetikSmart Program – Clinical effectiveness and projection of long-term cost savings.** Report to the Agency for Healthcare Administration, Division of Medicaid. 2005 (87 pages)

Winterstein AG, Taylor MD, Hartzema AG, Segal R. **The economic impact of glycemic control measured by glycosylated hemoglobin – a systematic review of diabetes outcomes studies.** Report to the Agency for Healthcare Administration, Division of Medicaid. 2004 (31 pages)

Nationally endorsed performance measures (developed and validated for the Centers for Medicare and Medicaid Services in collaboration with Health Services Advisory Group)

NQF 1879 Adherence to Antipsychotic Medications for Individuals with Schizophrenia

NQF 1880 Adherence to Mood Stabilizers for Individuals with Bipolar Disorder

NQF 0543 Adherence to Statin Therapy for Individuals with Coronary Artery Disease

NQF 0545 Adherence to Statins for Individuals with Diabetes Mellitus

NQF 0555 Lack of monthly INR monitoring for Individuals on Warfarin

NQF 0556 INR for Individuals Taking Warfarin and Interacting Anti-infective Medications

NQF 2362 Glycemic control – Hyperglycemia

NQF 2363 Glycemic control – Hypoglycemia

NQF 2379 Adherence to antiplatelet therapy after stent implementation

NQF 2468 Adherence to oral diabetes agents for individuals with diabetes mellitus

NQF 2732 INR monitoring for individuals on warfarin after hospital discharge

Presentations

National and International Invited Presentations

1. Forschungsansätze in der Arzneimittelsicherheit – sind randomisierte Studien genug? [research approaches in drug safety – are randomized studies sufficient? Goethe University Frankfurt, July 21, 2016.
2. Cohort Study Design. Short course at the International Conference of Pharmacoepidemiology. April 10-12, 2016. Baltimore, USA; August 23-26, 2015. Boston, USA; October 24-27, 2014. Taipei, Taiwan; April 11-13, 2013. Munich, Germany; April 21-23, 2012. Miami, FL; April 9-10, 2011. Florence, Italy
3. Data linkages to obtain information on driving conditions in a study evaluating exposure to ADHD medications and motor-vehicle accidents. FDA Public Workshop on Methodological considerations to address unmeasured health factors in pharmacoepidemiology studies that rely on electronic healthcare databases to evaluate the safety of regulated pharmaceutical products in the post-approval setting, May 4, 2015, Silver Spring, MD
4. Under the magnifying glass: what do we really know about rural healthcare? 48th ASHP Midyear Clinical Meeting. December 8-12, 2013, Orlando, USA
5. Cardiac safety of central nervous system stimulants in children with ADHD. 4th World Congress on ADHD, June 6-9, 2013. Milan, Italy
6. Methodological challenges in a study on cardiac risk of central nervous system stimulants. Research seminar at the Department for Pharmaceutical Health Services Research at the University of Maryland, Baltimore. March 4, 2013.
7. CMS Medication Measures Special Innovation Project: Glycemic Control Measure. Joint presentation with Kyle Campbell, FMQAI via Webinar to the Federal Interagency Work Group on Glycemic Control. January 29, 2013
8. Cardiovascular safety of central nervous system stimulants in children and adolescents: a population-based cohort study. Plenary session at the 28th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 22-26, 2012, Barcelona, Spain
9. Avoiding Adverse Medication Events. Centers for Medicare and Medicaid Grand Rounds. Jointly presented with Drs. Kyle Campbell and Dan Budnitz. April 26, 2012. Baltimore, MD
10. What does pharmacy do in pharmacoepidemiology? Clinical and Translational Research and Education Meeting, Washington DC, April 5-7, 2010. Clin Trans Science 2010;3:S1
11. Developing a rigorous MUE program: applying the principles of descriptive research. (with Erstad BL, Wall GC, Coley KC, Miller MJ). 44th ASHP Midyear Clinical Meeting. Las Vegas, NV; December 6-10, 2009.
12. Cardiac risk of stimulants. 2nd International Congress on ADHD. May 21-24, 2009, Vienna

13. Expert and Consumer Evaluations of Written Consumer Medication Information. 2008 Final Report. Joint Meeting of the FDA Risk Communication and the Drug Safety and Risk Management Advisory Committee. February 26-27, 2009, Washington, DC
14. Applying Analytical Research Principles in Medication-Use Evaluation - Cohort Study Design and Confounding. 43rd ASHP Midyear Clinical Meeting, December 7-11, 2008, Orlando, FL
15. Applying Analytical Research Principles in Medication-Use Evaluation - Data Analysis. 43rd ASHP Midyear Clinical Meeting, December 7-11, 2008, Orlando, FL
16. Expert and Consumer Evaluations of Written Consumer Medication Information. FDA Scientific Rounds. November 5, 2008, Silver Springs, MD
17. Analyzing your data – didactic review of analytical strategies. American Society of Health-System Pharmacists (ASHP) 2007 Midyear Clinical Meeting. December 2-6, 2007, Las Vegas, NV.
18. Epidemiologic methods. American Society of Health-System Pharmacists (ASHP) 2007 Midyear Clinical Meeting. December 2-6, 2007, Las Vegas, NV.
19. The economic impact of preventable drug-related morbidity. Pharmaceutical Care Network Europe 5th Working Conference. February 21-24, 2007. Gothenburg, Sweden
20. Approaches to the economic evaluation of pharmaceutical care services. Workshop (co-chair Dr. Birthe Sondergaard) at the Pharmaceutical Care Network Europe 5th Working Conference. February 21-24, 2007. Gothenburg, Sweden
21. Making sense of research findings: data manipulation and presentation. American Society of Health System Pharmacists (ASHP) 2006 Midyear Clinical Meeting and Exhibition. December 3-7, 2006. Anaheim, CA
22. Making sense of research findings: Data manipulation and presentation. Lecture at the 40th Midyear Clinical Meeting of the American Society of Health Systems Pharmacist. December 4-8, 2005. Las Vegas.
23. Medication Safety at the University of Florida teaching hospitals: systematic use of data to guide quality improvement. Secumed - German network unit-dose 3rd German Unit-Dose Symposium, May 5-6, 2006. Neuss, Germany
24. Relationship between glycemic control and the incidence of diabetes-related complications in Florida Medicaid recipients. The 2005 National Medicaid Summit, Park City, Utah, September 29 - October 1, 2005
25. Evaluation of secondary stroke prevention with ACE-Inhibitors. 65th International Congress of The International Pharmaceutical federation (FIP). Cairo, Egypt, September 2-8, 2005
26. Epidemiology of Medication Errors. 33rd European Symposium in Clinical Pharmacy. European Society of Clinical Pharmacy. October 20-23, 2004. Prague, Czech Republic.
27. The added value of pharmaceutical services. ISA Press conference, May 26, 2003 Berlin, Germany
28. Pharmacoeconomic evaluations of medications and medication use. Bavarian Pharmaceutical Association Clinical Pharmacy Congress May 2002, Munich (podium presentation and workshop chair)

29. Screening tools for medication errors in hospitals. Joint Annual Meeting of the Association for Applied Human Pharmacology and the American College of Clinical Pharmacology. January 2002, Garmisch-Partenkirchen, Germany
30. Detection and prevention of adverse drug events through pharmaceutical care. 40-hour short course at the Central University of Venezuela, Caracas, Venezuela, November 2001
31. Translating evidence into practice, 60th Congress of the International Pharmaceutical Federation, Vienna, August 2000 (workshop chair)
32. How to think about quality of life as a clinical measure? American Pharmaceutical Association, Advanced Practice Institute 2000, Gainesville, USA, July 2000
33. How to think about quality of life as a clinical measure? Lecture at the American Pharmaceutical Association, Advanced Practice Institute, Gainesville, USA. July 1999
34. Assessing drug-related problems from the patient's perspective. Workshop chair (with JWF van Mil) at the 1st International Working Conference on Outcome Measurement in Pharmaceutical Care, PCNE (Pharmaceutical Care Network Europe), January 1999. Hillerod, Denmark
35. Pharmaceutical Care for hypertensive patients with regard to psychological aspects of enhancing patient compliance. Lecture and workshop at the 3rd National Pharmaceutical Care Symposium, November 1998. Berlin, Germany
36. Pharmaceutical care for hypertensive patients. Lecture at the 5th International Management Congress for Pharmacies, November 1998, Tenerife, Canaries Islands
37. Managing Pharmaceutical care and pharmacists' intervention. Workshop chair at the 58th World Conference of the International Federation of Pharmacists, Continuing Professional Development, September 1998, The Hague, The Netherlands
38. Pharmaceutical Care for multimorbid elder patients – the OMA-study. Lecture at the „Berliner Ärztekongress“ (congress of general physicians), May 1998, Berlin, Germany
39. Pharmaceutical Care for hypertensive patients. Lecture at the Annual Congress of the National Pharmacy Association, January 1998, Davos, Switzerland.
40. Pharmaceutical Care and drug-related morbidity for elderly patients. Lecture at the 2nd National Pharmaceutical Care Symposium, November 1997, Frankfurt, Germany
41. Elements and methods of Pharmaceutical Care. Lecture at the Congress of the National Pharmacy Association, September 1997, Westerland, Germany
42. Introduction into Pharmaceutical Care. Lecture at the Symposium of the German Pharmaceutical Society, October 1996, Berlin, Germany
43. Patient recruitment and work with study pharmacists in a Pharmaceutical Care study for elderly patients. Lecture at the Interpharm congress, Symposium of the German Pharmaceutical Society, October 1996, Leipzig, Germany

Local invited presentations

44. Appropriateness of age thresholds for RSV prophylaxis in premature infants with chronic lung disease. UF Research Colloquium. Agency for Healthcare Administration, Tallahassee, FL, May 28, 2015
45. The face of quality: Medication Errors. FMQAI Engaging Partnerships for Patients Florida Summit. Orlando, FL, July 21, 2011
46. Epidemiology of respiratory syncytial virus. Florida Medicaid Drug Utilization Board. Tampa, FL, February 12, 2011
47. Utilization, effectiveness and cost-effectiveness of palivizumab in Florida Medicaid. Annual Florida Medicaid Research Conference. University of Florida Center for Medicaid Issues and the Uninsured. Tallahassee, FL. September 16, 2010
48. Medication errors. Pharmacy Law and Management Conference. August 29-30, 2009. Orlando, FL
49. Written drug information for patients. Pharmacy Law and Management Conference. August 29-30, 2009. Orlando, FL
50. Epidemiology of medication errors. Florida Society for Health-System Pharmacists. October 17, 2006. Gainesville, FL
51. Blood glucose management in acute and critical care. Florida Society of Health-System Pharmacy 40th Annual Meeting. August 4-6, 2006, Orlando, FL
52. Evidence-based Quality Improvement. National Advisory Board Meeting, College of Pharmacy at the University of Florida, April 21, 2006. Gainesville, Florida
53. Medication Error and Decision Support Systems. Florida Society of Hospital Pharmacy First Health Information Technology Conference. March 18, 2006. Orlando, FL
54. Quality Improvement at Shands at UF. University of Florida, College of Pharmacy, Pharmacy Practice Seminar. February 9, 2006. Gainesville, FL
55. Evidence-based Quality Improvement. Lecture to UF&Shands clinical practice committee members and QA staff, April 2005, Gainesville, FL
56. Cost-effectiveness of Disease Management Programs for Medicaid Diabetes Type II Patients. 4th Annual Florida Medicaid Research Conference. University of Florida Center for Medicaid Issues and the Uninsured. Tallahassee, FL. March 11, 2005.
57. The epidemiology of medication errors. 39th Annual Meeting of the Florida Society of Health Systems Pharmacists, Kissimmee, FL, August 5-7, 2005. *Adverse Drug Events and Medication Errors in the Elderly, Lecture for the Department of Anesthesiology, College of Medicine, University of Florida, January 2003
58. Investment in Health Information Infrastructure: Pharmacy and Pharmacists. Governor's Health Information Infrastructure Advisory Board Workshop. November 19, 2004. Orlando, FL.
59. Medication Errors. Florida Society of Health Systems Pharmacy - North Central Florida Section Continuous Education program. October 27, 2004. Gainesville, FL.
60. Epidemiology of medication errors and preventable adverse drug events: introduction of a study in acute care. Seminar Series of the Department of Pharmaceutics and Pharmacodynamics, College of Pharmacy at the University of Florida. December 2001

61. Prevalence, nature and etiology of medication errors. Invited presentation, Medical Grand Rounds, College of Medicine at the University of Florida; May 2001

Peer-reviewed Abstracts

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identifies senior author

62. Vogel Anderson K, Winterstein A, Rosenberg E, Farris K. IMPROVE Part 2: Evaluation of medication errors in the perioperative setting. Annual Meeting of the American College of Clinical Pharmacy, San Francisco, CA, October 18-21, 2015
63. Zhu Y**, Liu W, Li Y, Winterstein AG. Impact of Eligibility Length on Prevalence Estimates Using Automated Healthcare Claims Data, 31st Conference of Pharmacoepidemiology & Therapeutic Risk Management, August 22-26, 2015, Boston, United States. Pharmacoepi Drug Saf 2015;24:583
64. Dave C**, He J, Winterstein A, Hartzema A. The Incidence of Solid Tumors in a Healthcare Database Compared To SEER. 31st Conference of Pharmacoepidemiology & Therapeutic Risk Management, August 22-26, 2015, Boston, United States. Pharmacoepi Drug Saf 2015;24:540-541
65. Choi YY**, Staley B, Henriksen C, Kubilis P, Lipori G, Brumback B, Winterstein AG. Development of a Risk Model for DrugAssociated Inpatient Falls. 31st Conference of Pharmacoepidemiology & Therapeutic Risk Management, August 22-26, 2015, Boston, United States. Pharmacoepi Drug Saf 2015;24:514
- Best poster award: database spotlight session
66. Liu L**, Barnicoat M, Bussing R, Winterstein AG. Psychotropic Drug–Drug Interactions in Three Most Commonly Used Drug Information Databases. 31st Conference of Pharmacoepidemiology & Therapeutic Risk Management, August 22-26, 2015, Boston, United States. Pharmacoepi Drug Saf 2015;24:452-453
67. Jeon N**, Winterstein AG. Addition of Nonsteroidal Anti-inflammatory Drugs (NSAIDs) and Risk of Acute Kidney Injury (AKI) in Hospitalized Patients Receiving Vancomycin. 31st Conference of Pharmacoepidemiology & Therapeutic Risk Management, August 22-26, 2015, Boston, United States. Pharmacoepi Drug Saf 2015;24:410-411 (oral presentation)
68. Alrwisan A**, Winterstein AG, Antonelli PJ. Otic Quinolones Associated with Tympanic Membrane Perforations. American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting, Dallas, TX, September 27-30, 2015. Otolaryngol Head Neck Surg 2015; 153: P127 (oral presentation)
69. Li Y, Liu W, Kubilis P, Zhu Y, Winterstein AG. Factors Associated with Pharmacological Treatment Initiation in Adult Attention-Deficit/Hyperactivity Disorder Patients: Findings from a Publicly Insured Population. 31st Conference of Pharmacoepidemiology & Therapeutic Risk Management, August 22-26, 2015, Boston, United States. Pharmacoepi Drug Saf 2015;24:396 (oral presentation)

70. Zhu Y**, Liu W, Li Y, Winterstein AG. Prevalence of Attention Deficit Hyperactivity Disorder in Publically Insured Adults. 31st Conference of Pharmacoepidemiology & Therapeutic Risk Management, August 22-26, 2015, Boston, United States. *Pharmacoepi Drug Saf* 2015;24:379
71. Liu X**, Kubilis P, Bussing R, Winterstein AG. State-level Variation of Psychotropic Drug Utilization in Children with ADHD in the United States Using Multiple Disparity Measures. 31st Conference of Pharmacoepidemiology & Therapeutic Risk Management, August 22-26, 2015, Boston, United States. *Pharmacoepi Drug Saf* 2015;24:277-278
72. Knox CA**, Hampp C, Brumback B, Xu X, Segal R, Winterstein AG. Risk of Cesarean Section Delivery among Live Births Exposed to Anti-Diabetic Agents during the First Trimester of Pregnancy. 31st Conference of Pharmacoepidemiology & Therapeutic Risk Management, August 22-26, 2015, Boston, United States. *Pharmacoepi Drug Saf* 2015;24:250 (oral presentation)
73. Knox CA**, Hampp C, Brumback B, Xu X, Segal R, Winterstein AG. Risk of Preeclampsia among Live Births Exposed to Anti-diabetic Agents during the First Trimester of Pregnancy. 31st Conference of Pharmacoepidemiology & Therapeutic Risk Management, August 22-26, 2015, Boston, United States. *Pharmacoepi Drug Saf* 2015;24:249-250
74. Knox CA**, Hampp C, Brumback B, Xu X, Segal R, Winterstein AG. Risk of Preterm Delivery among Live Births Exposed to Anti-diabetic Agents during the First Trimester of Pregnancy. 31st Conference of Pharmacoepidemiology & Therapeutic Risk Management, August 22-26, 2015, Boston, United States. *Pharmacoepi Drug Saf* 2015;24:249 (oral presentation)
75. Dave C**, Hartzema A, Andrade E, Winterstein A. Drug Utilization Study of Childhood Epilepsy. 31st Conference of Pharmacoepidemiology & Therapeutic Risk Management, August 22-26, 2015, Boston, United States. *Pharmacoepi Drug Saf* 2015;24:236-237
76. Winterstein AG, Staley B, Kubilis P, Henriksen C, Lipori G, Brumback B, Johns TE. Development of an Automated Risk Model for Drug-associated Inpatient Hypoglycemia. 31st Conference of Pharmacoepidemiology & Therapeutic Risk Management, August 22-26, 2015, Boston, United States. *Pharmacoepi Drug Saf* 2015;24:227 (oral presentation)
77. Liu W**, Liu X, Kubilis K, Li Y, Zhu Y, Winterstein AG. Utilization and predictors of psychotropic polypharmacy in adult patients with attention-deficit/hyperactivity disorder. 31st Conference of Pharmacoepidemiology & Therapeutic Risk Management, August 22-26, 2015, Boston, United States. *Pharmacoepi Drug Saf* 2015;24:134
78. Knox C**, Hincapie-Castillo J, Winterstein AG. Validity of Delivery Outcomes Within the Medicaid Analytic eXtract (MAX) Database. 31st Conference of Pharmacoepidemiology & Therapeutic Risk Management, August 22-26, 2015, Boston, United States. *Pharmacoepi Drug Saf* 2015;24:14
79. Alrwisan A**, Winterstein AG, Antonelli PJ. Otic quinolones after tympanostomy tubes associated with persistent tympanic membrane perforations. 31st Conference of Pharmacoepidemiology & Therapeutic Risk Management, August 22-26, 2015, Boston, United States. *Pharmacoepi Drug Saf* 2015;24:12-13 (oral presentation)
80. Liu W**, Dahm P, Gerhard T, Antonelli P, Delaney JC, Winterstein AG. Utilization of phosphodiesterase type 5 (PDE5) inhibitors for erectile dysfunction among commercially insured adults in the United States. 30th Conference of Pharmacoepidemiology & Therapeutic Risk Management, October 24-27, 2014, Taipei, Taiwan. *Pharmacoepi Drug Saf* 2014;23(S1):85-86

81. Winterstein AG, Cooper-DeHoff R, Kubilis P, Nichols G, Delaney JAC. Diabetogenic effects of atypical antipsychotics – exploration of measurement bias. 30th Conference of Pharmacoepidemiology & Therapeutic Risk Management, October 24-27, 2014, Taipei, Taiwan. *Pharmacoepi Drug Saf* 2014;23(S1):142-143
 - Spotlight poster winner – Methods Special Interest Group
82. Winterstein AG, Kubilis P. Measurement bias in billing data – a simulation study. 30th Conference of Pharmacoepidemiology & Therapeutic Risk Management, October 24-27, 2014, Taipei, Taiwan. *Pharmacoepi Drug Saf* 2014;23(S1):149-150
83. Winterstein AG, Gerhard T, Kubilis P, Shuster J. Stimulant effectiveness on driving citations and crashes of children with ADHD. 30th Conference of Pharmacoepidemiology & Therapeutic Risk Management, October 24-27, 2014, Taipei, Taiwan. *Pharmacoepi Drug Saf* 2014;23(S1):151-152
 - Spotlight poster winner – Pediatrics Special Interest Group
84. Knox CA**, Segal R, Winterstein AG. Epidemiology of pre-existing diabetes in pregnancy from 2000-2006 among Medicaid patients in 29 US states. 30th Conference of Pharmacoepidemiology & Therapeutic Risk Management, October 24-27, 2014, Taipei, Taiwan. *Pharmacoepi Drug Saf* 2014;23(S1):312 (oral presentation)
85. Liu X**, Kubilis P, Bussing R, Winterstein AG. Development of a novel approach to assess psychotropic polypharmacy in administrative databases. 30th Conference of Pharmacoepidemiology & Therapeutic Risk Management, October 24-27, 2014, Taipei, Taiwan. *Pharmacoepi Drug Saf* 2014;23(S1):319
86. Knox CA**, Palmsten K, Setoguchi S, Segal R, Winterstein AG. Predicting linkage within a validated algorithm that identifies mother-infant pairs within the Medicaid Analytic Extract (MAX) database. 30th Conference of Pharmacoepidemiology & Therapeutic Risk Management, October 24-27, 2014, Taipei, Taiwan. *Pharmacoepi Drug Saf* 2014;23(S1):350
87. Liu W**, Antonelli PJ, Dahm P, Gerhard T, Delaney JAC, Segal R, Crystal S, Winterstein AG. Risk of sudden sensorineural hearing loss in adults using phosphodiesterase type 5 inhibitors. 30th Conference of Pharmacoepidemiology & Therapeutic Risk Management, October 24-27, 2014, Taipei, Taiwan. *Pharmacoepi Drug Saf* 2014;23(S1):492-493
88. Kiskaddon A*, Johns T, Staley B, and Winterstein AG. Identifying risk factors associated with inpatient hyperglycemic events to develop a dynamic risk model. 48th Annual Meeting of the Florida Society of Health-System Pharmacists; Orlando, FL. Aug 8-10, 2014
89. Knox CA**, Palmsten K, Setoguchi S, Hernandez-Diaz S, Winterstein AG. Validation of mother-infant linkage using Medicaid Case ID variable within the Medicaid Analytic eXtract (MAX) database. Society for Epidemiologic Research 47th Annual Meeting. Seattle, WA. June 24-27, 2014
90. Wei L**, Antonelli PJ, Dahm P, Gerhard T, Delaney JAC, Winterstein AG. Comparative ototoxicity of phosphodiesterase type 5 inhibitors for erectile dysfunction. Triologic Society Annual Meeting. (oral presentation)
91. Alrwisan A**, Antonelli PJ, Winterstein AG. Epidemiology of Tympanoplasty in children following tympanostomy tube placement. American Academy of Otolaryngology Annual Meeting
 - Outstanding Poster Abstract Award

92. Ali AK**, Winterstein A, Hendeles L, Lu X, Segal R, Hartzema A. Comparison of rates of prescribing oral corticosteroids for asthma exacerbations between step-down therapy approaches among initiators of inhaled corticosteroids and long-acting beta-agonist combination therapy. *J Allergy Clin Immunology*. February 2014; 133(2S):AB177
93. Liu X**, Kubilis P, Xu D, Bussing R, Winterstein AG. Distribution and development of comorbidities in pediatric patients with ADHD. 29th International Conference of Pharmacoepidemiology, Aug 23-28, Montreal, Canada. *Pharmacoepi Drug Saf* 2013;22:(Suppl.1):341
94. Winterstein AG, Delaney JA, Kubilis P, Crystal S, Gerhard T. Inclusion of variables associated with exposure but not outcome can compromise propensity score-based adjustments – examination of a real-life example in pediatric psychopharmacology. 29th International Conference of Pharmacoepidemiology, Aug 23-28, Montreal, Canada. *Pharmacoepi Drug Saf* 2013;22:(Suppl.1):232
95. Linden S**, Bussing R, Gerhard T, Shuster JJ, Winterstein AG. Risk of Suicide and Suicide Attempt Associated with Atomoxetine Compared to Central Nervous System Stimulant treatment. 29th International Conference of Pharmacoepidemiology, Aug 23-28, Montreal, Canada. *Pharmacoepi Drug Saf* 2013;22:(Suppl.1):175 (oral presentation)
 - Second best abstract submitted (b) (6)
96. Knox CA**, Hampp C, Willy M, Winterstein AG, Dal Pan G. Patient Understanding of Drug Risk: Analysis of Medication Guide Assessments. 29th International Conference of Pharmacoepidemiology, Aug 23-28, Montreal, Canada. *Pharmacoepi Drug Saf* 2013;22:(Suppl.1):361 (oral presentation)
97. Winterstein AG, Eworuke E, Gerhard T. Confounding's ugly little sister: measurement bias in pharmacoepidemiology. 29th International Conference of Pharmacoepidemiology, Aug 23-28, Montreal, Canada. *Pharmacoepi Drug Saf* 2013;22:(Suppl.1):369 (workshop)
98. Bird ST, Delaney JAC, Cooper-DeHoff RM, Nichols GA, Winterstein AG. Misclassification in assessment of diabetogenic risk using laboratory-enhance claims data. 29th International Conference of Pharmacoepidemiology, Aug 23-28, Montreal, Canada. *Pharmacoepi Drug Saf* 2013;22:(Suppl.1):3
99. Cooper-DeHoff RM, Bird ST, Nichols GA, Delaney JC, Winterstein AG. Association of antihypertensive drug classes, alone or in combination with incident diabetes: a nested case-control study. American Heart Association Scientific Sessions, Nov 3-7, 2012. Los Angeles, CA. *Circulation* 2012;126:A11073
100. Cooper-DeHoff RM, Garvan C, Delaney JA, Winterstein AG, Bavry A, Howard BV, Chen C, Manson J, Phillips LS, Liu S, Song Y, Shorr RI, Limacher M, and Women's Health Initiative Investigators. Chronic utilization of medications with metabolic effects and risk for incident diabetes in postmenopausal women. American Heart Association Scientific Sessions, Nov 3-7, 2012. Los Angeles, CA. *Circulation* 2012;126:A10050
101. Winterstein AG, Antonelli PJ, Xu D, Liu W. Sensorineural hearing loss with neomycin ear drops. Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery, Washington DC, September 9-12, 2012. *Otolaryngol Head Neck Surg* 2012;147:P103
102. Eworuke E**, Winterstein AG. Drug utilization patterns for routine therapies in patients with cystic fibrosis. 28th International Conference on Pharmacoepidemiology & Therapeutic Risk

- Management. August 22-26, 2012, Barcelona, Spain. *Pharmacoepi Drug Saf* 2012;21:(Suppl. 3):474
103. Munoz MA, Stojanovic D, Etminan M, Winterstein AG, Delaney JAC. Trends in use of benzodiazepines, opioids, tramadol, and z-drugs from 1998 to 2008 in a managed care population. 28th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 22-26, 2012, Barcelona, Spain. *Pharmacoepi Drug Saf* 2012;21:(Suppl. 3):426
 104. Eworuke E**, Winterstein AG. Deterministic linkage between cystic fibrosis patient registry data to Medicaid Analytical Extract Data. 28th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 22-26, 2012, Barcelona, Spain. *Pharmacoepi Drug Saf* 2012;21:(Suppl. 3):396
 105. Wen X, Meador K, Winterstein AG, Hartzema AG. Utilization of antiepileptic drugs in Florida Medicaid women with epilepsy in childbearing age. 28th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 22-26, 2012, Barcelona, Spain. *Pharmacoepi Drug Saf* 2012;21:(Suppl. 3):322
 106. Bird ST**, Munoz M, Winterstein A, Cooper-Dehoff R, Delaney JAC. Trends in utilization of medications with adverse metabolic effects in a managed care population between 1999 and 2008. 28th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 22-26, 2012, Barcelona, Spain. *Pharmacoepi Drug Saf* 2012;21:(Suppl. 3):300
 107. Linden S**, Winterstein AG. Determinants of atomoxetine and central nervous system stimulant treatment initiation. 28th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 22-26, 2012, Barcelona, Spain. *Pharmacoepi Drug Saf* 2012;21:(Suppl. 3):183
 108. Winterstein AG, Eworuke E, Xu D, Schuler P. Effectiveness of palivizumab in respiratory syncytial virus prophylaxis in children with cystic fibrosis. 28th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 22-26, 2012, Barcelona, Spain. *Pharmacoepi Drug Saf* 2012;21:(Suppl. 3):148
 109. Liu X**, Kubilis P, Xu D, Winterstein AG. Psychotropic drug utilization in children with concomitant ADHD and anxiety. 28th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 22-26, 2012, Barcelona, Spain. *Pharmacoepi Drug Saf* 2012;21:(Suppl. 3):138
 110. Liu W**, Antonelli PJ, Xu D, Winterstein A. Aminoglycoside eardrops and risk of sensorineural hearing loss in children with non-intact tympanic membranes. 28th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 22-26, 2012, Barcelona, Spain. *Pharmacoepi Drug Saf* 2012;21:(Suppl. 3):133
 - Received best poster award at Pediatric Special Interest Group Posterwalk
 111. Knox CA**, Delaney JA, Winterstein AG. Drug utilization among pregnant diabetic women in US managed care. 28th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 22-26, 2012, Barcelona, Spain. *Pharmacoepi Drug Saf* 2012;21:(Suppl. 3):13 (oral presentation)
 112. Cooper-DeHoff RM, Bird ST, Nichols GA, Delaney JC, Winterstein AG. Association of Antihypertensive Drug Classes, Alone or in Combination, with Incident Diabetes: A Nested

Case-control Study. American Heart Association Scientific Sessions. November 3-7, 2012. Los Angeles, USA (oral presentation)

113. Liu W**, Kubilis P, Winterstein AG. Do physicians need both rosiglitazone and pioglitazone. 27th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 14-17, 2011, Chicago, USA. Pharmacoepi Drug Saf 2011;20:S16 (oral presentation)
114. Winterstein AG, Kubilis P, Gerhard T. ADHD youths' career in psychotropic treatment. 27th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 14-17, 2011, Chicago, USA. Pharmacoepi Drug Saf 2011;20:S133 (oral presentation)
115. Linden S**, Knox C, Winterstein AG. Atomoxetine utilization in youths with attention deficit/hyperactivity disorder in 29 Medicaid states. 27th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 14-17, 2011, Chicago, USA. Pharmacoepi Drug Saf 2011;20:S134 (oral presentation)
116. Smith DJ**, Winterstein AG, Willy M, Karowski C. Generalizability of risk evaluation and mitigation (REMS) effectiveness evaluations. 27th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 14-17, 2011, Chicago, USA. Pharmacoepi Drug Saf 2011;20:S223
117. Knox CA**, Hampp C, Kubilis P, Linden S, Winterstein AG. Appropriateness of age thresholds for palivizumab prophylaxis in preterm infants. 27th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 14-17, 2011, Chicago, USA. Pharmacoepi Drug Saf 2011;20:S252 (oral presentation)
118. Eworuke E**, Winterstein AG. Comparing pulmonary-related outcomes for newborn-screened versus conventional-diagnosed infants with cystic fibrosis. 27th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 14-17, 2011, Chicago, USA. Pharmacoepi Drug Saf 2011;20:S319
119. Winterstein AG, Hampp C, Kubilis P, Saidi A. Age-dependent effectiveness of RSV immunoprophylaxis. 27th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 14-17, 2011, Chicago, USA. Pharmacoepi Drug Saf 2011;20:S322
120. He J**, Hartzema AG, Winterstein AG, Dahm P. Health-related quality of life as confounder in observational studies for localized prostate cancer. 27th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 14-17, 2011, Chicago, USA. Pharmacoepi Drug Saf 2011;20:S324
121. Winterstein AG. Assessing Drug Safety in Concomitant Therapy for ADHD: Medicaid Data and Design Issues. NCDEU 51st Annual Meeting. June 13-16, 2011, Boca Raton, FL (oral presentation)
122. Knox C**, Delaney JA, Winterstein AG. Association of Cesarean Section Delivery among Pregnant Women with Diabetes. 3rd North American Congress of Epidemiology. June 21-24, 2011. Montreal, Canada
123. Linden S**, Knox C, Winterstein AG. Utilization of Atomoxetine and other Pharmacotherapy in youths with attention deficit / hyperactivity disorder in Medicaid patients in 29 US states. Am. J. Epidemiol. (2011) 173 (suppl 11): S1-S316.528-S

124. Hampp C**, Winterstein AG. Timing of prophylaxis relative to respiratory syncytial virus seasons. 26th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. Brighton, UK, August 19-22, 2010. Pharmacoepi Drug Saf 2010;19:S201-202
125. Chen CY**, Winterstein AG. Jointpoint regression to examine the impact of drug safety warnings on drug utilization trends when interrupted time-series analysis is not feasible. 26th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. Brighton, UK, August 19-22, 2010. Pharmacoepi Drug Saf 2010;19:S173 (oral presentation)
126. Odia E**, Hampp C, Winterstein AG. Validity of an algorithm for the identification of premature infants using Medicaid administrative data. 26th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. Brighton, UK, August 19-22, 2010. Pharmacoepi Drug Saf 2010;19:S123 (oral presentation)
127. Chen CY**, Winterstein AG. Use of stimulants following the public discussion and regulatory actions on ADHD drugs' cardiovascular safety. 26th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. Brighton, UK, August 19-22, 2010. Pharmacoepi Drug Saf 2010;19:S49-50
128. Hampp C**, Saidi AS, Winterstein AG. Latitude as a Factor in RSV Epidemiology in Florida. Society of Epidemiologic Research 43rd Annual Meeting, Seattle, WA, June 23-26, 2010. Am J Epidemiol 2010; 171(Suppl): S136
129. Hampp C**, Saidi AS, Winterstein AG. Comparison of RSV Seasonality in Four States. Society of Epidemiologic Research 43rd Annual Meeting, Seattle, WA, June 23-26, 2010. Am J Epidemiol 2010; 171(Suppl): S136
130. Jamison A**, Winterstein AG, Kimberlin C. Overload and Redundancy in Consumer Medication Information. American Pharmacists Association Annual Meeting. Washington DC. March 12-15, 2010. JAPhA 2010;50(2):301
 - Winner, APHA-Academy of Pharmacy Practice and Management (b) (6) Pharmacist Contributed Research Paper Presentation
131. Jamison A**, Linden S, Kimberlin C, Winterstein A. Oral Counseling Practices in U.S. Community Pharmacies. American Pharmacists Association Annual Meeting. Washington DC. March 12-15, 2010. JAPhA. 2010;50(2):300-301.
132. **Rosenwasser RF, Winterstein A, Rosenberg A, Rosenberg E, Antonelli P. Perioperative Medication Errors in Otolaryngology. The Triological Society Combined Sections Meeting. Orlando, Florida. February 4-7, 2010.
133. Hampp C**, Kauf TL, Saidi A, Winterstein AG. Cost-Effectiveness of Respiratory Syncytial Virus Prophylaxis with Palivizumab from the Perspective of a Southern US Medicaid Agency. ISPOR 12th Annual European Congress, Paris, France, 24-27 October, 2009. Value in Health 2009; 12 (7): A301
 - Awarded best (b) (6) research poster presentation
134. Hampp C**, Winterstein AG. Seasonal versus Needs-Based Immunization Schedules – the Example of RSV. ISPOR 12th Annual European Congress, Paris, France, October 24-27, 2009. Value in Health 2009; 12 (7): A307

- Poster finalist, indicating top 10% of accepted abstracts
135. Chen CY**, Winterstein AG. Atomoxetine use and central nervous system stimulants use during physician office visits for attention deficit/hyperactivity disorder after the discussion on related suicidal risk.
25th International Conference on Pharmacoepidemiology and Therapeutic Risk Management. Providence, Rhode Island. August 16-19, 2009. Pharmacoepidemiology and Drug Safety, 2009;18:S176
 136. Winterstein AG, Linden S, Fernandez E, Lee A, Kimberlin C. Usefulness of consumer medication information.
International Conference on Pharmacoepidemiology and Therapeutic risk Management. Providence, Rhode Island. August 16-19, 2009. Pharmacoepidemiology and Drug Safety, 2009;18:S182
 137. Hampp C**, Winterstein A. Validation of the national respiratory and enteric virus surveillance system for the detection of respiratory syncytial virus seasons. International Conference on Pharmacoepidemiology and Therapeutic risk Management. Providence, Rhode Island. August 16-19, 2009. Pharmacoepidemiology and Drug Safety, 2009;18:S118
 138. Linden S**, Kimberlin C, Winterstein AG. Counseling efforts in U.S. community pharmacies: associations to pharmacy and personnel attributes.
International Conference on Pharmacoepidemiology and Therapeutic risk Management. Providence, Rhode Island. August 16-19, 2009. Pharmacoepidem Drug Saf, 2009;18:S180
 139. Winterstein AG, Hampp C, Saidi A. Effectiveness of palivizumab in Medicaid infants. 25th International Conference on Pharmacoepidemiology and Therapeutic risk Management. Providence, Rhode Island. August 16-19, 2009. Pharmacoepidemiology and Drug Safety, 2009;18:S97-98 (oral presentation)
 140. Gerhard T, Winterstein A, Olfson M, Saidi A, Crystal S. Effects of Preexisting Cardiovascular Risk Factors on Initiation of Stimulants in Adults Newly Diagnosed with ADHD.
25th International Conference on Pharmacoepidemiology and Therapeutic risk Management. Providence, Rhode Island. August 16-19, 2009. Pharmacoepidem Drug Saf, 2009; 18:S202 (oral presentation)
 141. Lee A**, Kimberlin C, Fernandez E, Linden S, Winterstein A. Inclusion of off-label use in consumer medication leaflets. American Pharmacists Association Annual Meeting and Exposition. San Antonio, TX; April 3-6, 2009. J Am Pharm Assoc, 2009; 49(2):338.
 142. Fernandez E**, Winterstein A, Lee A, Linden S, Kimberlin C. Consumer comprehension of consumer medication information leaflets. American Pharmacist Association Annual Meeting and Exposition. San Antonio, TX. April 3-6, 2009. J Am Pharm Assoc, 2009; 49(2):336.
 143. Hsu CN, Kauf TL, Winterstein AG, Nelson D. Longitudinal Incidence of Liver Complications and Initiation of Antiviral Therapy among Newly HCV-infected Patients Enrolled in a Managed Care Organization (MCO).
59th Annual Meeting of American Association for The Study of Liver Disease, Oct 31-Nov 4 2008, San Francisco, CA
 144. Onyenwenyi AJ**, Winterstein AG. Off-label Prescribing of Anticonvulsant Drugs – National pattern between 1992-2005. 24th International Conference on Pharmacoepidemiology &

Therapeutic Risk Management. August 17-20, 2008, Copenhagen, Denmark. *Pharmacoepidem Drug Saf* 2008;17:S32

145. Winterstein AG, Shuster J. Fixed Effects Models May Bias Meta-Analytic Summary Estimates. 24th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 17-20, 2008, Copenhagen, Denmark. *Pharmacoepidem Drug Saf* 2008;17:S133
146. Hampp C**, Winterstein AG, Saidi A. Role of Age in Respiratory Syncytial Virus Infection Risk – Recommendations for Palivizumab Utilization. 24th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 17-20, 2008, Copenhagen, Denmark. *Pharmacoepidem Drug Saf* 2008;17:S186
147. He J**, Winterstein AG, Beaver TM. Predicted Impact of Nesiritide in Dialysis and All-cause Mortality in Cardiac Surgery Patients by Demonstrated Post-Operative GFR Change. 24th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 17-20, 2008, Copenhagen, Denmark. *Pharmacoepidem Drug Saf* 2008;17:S241
148. Garman P, Ried LD, Hartzema A, Asal N, Winterstein AG, Daniels M. Risk of tendon Rupture after Quinolone Use in a U.S. Military Population. 24th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 17-20, 2008, Copenhagen, Denmark. *Pharmacoepidem Drug Saf* 2008;17:S208
149. Hampp C**, Winterstein AG. Palivizumab utilization and compliance with recommendations in Florida. 24th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 17-20, 2008, Copenhagen, Denmark. *Pharmacoepidem Drug Saf* 2008;17:S25 (oral presentation)
 - Received (b) (6) Award for Best Drug Utilization Abstract
150. Chen CY**, Winterstein AG. Treatment persistence among youths newly diagnosed with attention-deficit/hyperactivity disorder (ADHD). 24th International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 17-20, 2008, Copenhagen, Denmark. *Pharmacoepidem Drug Saf* 2008;17:S199
151. Hampp C**, Schauff M, Saidi A, Winterstein AG. Changes in Respiratory Syncytial Virus Related Hospitalizations and Prevention in Infants with Cardiac Anomalies. American College of Cardiology, 57th Annual Scientific Session, March 31 2008, Chicago, IL
152. He J**, Winterstein AG, Beaver TM. Predicted Impact of Nesiritide on Dialysis and All-Cause Hospital Mortality in Patients Undergoing Cardiac Surgery by Demonstrated Improvement in Post-Operative GFR. American College of Cardiology, 57th Annual Scientific Session, March 29-April 1, 2008, Chicago, IL
153. Hampp C**, Winterstein AG, Saidi A, Schauff M. Palivizumab utilization and hospitalizations related to respiratory syncytial virus infections among Florida Medicaid recipients. 23rd International Conference on Pharmacoepidemiology. August 19-22, 2007. Quebec City, Canada. *Pharmacoepidemiology and Drug Safety*, 2007;16:S170
154. Kanjanarat P**, Winterstein AG, Hartzema AG, Lipowski E, Tian L. Impact of universal health care coverage in hospital drug utilization in Thailand. 23rd International Conference on Pharmacoepidemiology. August 19-22, 2007. Quebec City, Canada. *Pharmacoepidemiology and Drug Safety*, 2007;16:S134

155. Winterstein AG, Gerhard T, Shuster J, Zito JM, Johnson M, Saidi A. Safety of central nervous system stimulants on youths with attention-deficit/hyperactivity disorder (ADHD). 23rd International Conference on Pharmacoepidemiology. August 19-22, 2007. Quebec City, Canada. Pharmacoepidemiology and Drug Safety, 2007;16:S37 (oral presentation)
156. Winterstein AG, Gerhard T, Zito JM, Shuster J, Saidi A. Safety of methylphenidate versus amphetamine salts in the treatment of attention deficit/hyperactivity disorder (ADHD). 23rd International Conference on Pharmacoepidemiology. August 19-22, 2007. Quebec City, Canada. Pharmacoepidemiology and Drug Safety, 2007;16:S22 (oral presentation)
157. Chen CY**, Winterstein AG. Psychotropic treatment among youths newly diagnosed with attention deficit/hyperactivity disorder (ADHD). 23rd International Conference on Pharmacoepidemiology. August 19-22, 2007. Quebec City, Canada. Pharmacoepidemiology and Drug Safety, 2007;16:S21-22 (oral presentation)
158. Onyenwenyi AJ**, Winterstein AG. Rates of hypokalemia after implementation of aggressive insulin dosing in critical care patients. 23rd International Conference on Pharmacoepidemiology. August 19-22, 2007. Quebec City, Canada. Pharmacoepidemiology and Drug Safety, 2007;16:S5-6 (oral presentation)
159. Gerhard T**, Winterstein AG, Shuster, JJ, Johnson, JA, Hartzema AG, Pepine CJ. Estimating Effects of Antihypertensive Therapy on Adverse Outcomes in the Presence of Time-Dependent Confounding by Blood Pressure. 23rd International Conference on Pharmacoepidemiology. August 19-22, 2007. Quebec City, Canada. Pharmacoepidemiology and Drug Safety, 2007;16:S32 (oral presentation)
160. Gerhard T**, Winterstein AG, Shuster, JJ, Johnson, JA, Hartzema AG, Pepine CJ. Use of Average Surrogate Values Introduces Bias: A Simple Simulation. International Conference on Pharmacoepidemiology. August 19-22, 2007. Quebec City, Canada. Pharmacoepidemiology and Drug Safety, 2007; 16:S115-116
161. Gerhard T**, Winterstein AG, Shuster, JJ, Johnson, JA, Hartzema AG, Pepine CJ. Impact of Operationalization of Longitudinal Blood Pressure on Adverse Outcomes. International Conference on Pharmacoepidemiology. August 19-22, 2007. Quebec City, Canada. Pharmacoepidemiology and Drug Safety, 2007; 16:S115
162. He J**, Winterstein AG. Beaver T. Predicting Effectiveness Of Nesiritide On Dialysis And All-Cause Hospital Mortality In Patients Undergoing Cardiac Surgery By Post-Operative GFR Change. Internal Federation of Pharmacy Associations (FIP) 67th Annual Congress. September 1-6, 2007. Beijing, China
163. Chen C-Y**, Winterstein AG. Initiation of Central Nerve System Stimulants (CNSS) Treatment for Newly Diagnosed Attention-Deficit/Hyperactivity Disorder (ADHD) Children. 40th Annual Society for Epidemiologic Research Meeting, June 19-22, 2007; Boston, MA. American Journal of Epidemiology 2007;164:S136.
164. Tyler A**, Winterstein AG, LeClaire A, Staley B, Bihorac A. Quality of vancomycin use in patients with Acute Kidney Injury. American Pharmacist Association Annual Meeting. JAPhA. 2007;47(2):284
165. Graham SD**, Hartzema AG, Sketris I, Winterstein A. Effect of academic detailing on COX-2 utilisation rates in the Nova Scotia seniors population. Joint CAHSR / PHC-CHSRF Symposium, Sept 19, 2006. Vancouver, British Columbia.

166. Gerhard T**, Winterstein AG, Shuster JJ. Incidence, Prevalence, and Demographic Differences in Central Nervous System Stimulant (CNSS) Use in Children and Adolescents with Attention Deficit Hyperactivity Disorder (ADHD): A Study of Florida Medicaid Beneficiaries 1994-2004. *Pharmacoepidem Drug Safety* 2006;15:S146.
167. Winterstein AG, Gerhard T. Demographic Discrepancies in Diagnosis of Attention Deficit Hyperactivity Disorder (ADHD) and Initiation of Pharmacological Treatment in Children and Adolescents: A Study of Florida Medicaid Beneficiaries 1994-2004. *Pharmacoepidemiology and Drug Safety* 2006;15:S299.
168. Winterstein AG, Gerhard T. Utilization of Central Nervous System Stimulants (CNSS) in Children and Adolescents with Attention Deficit Hyperactivity Disorder (ADHD): A Study of Florida Medicaid Beneficiaries 1994-2004. *Pharmacoepidemiology and Drug Safety* 2006;15:S298.
169. Winterstein AG, Gerhard T, Beaver TM. Safety of Aprotinin in Cardiac Surgery. *Pharmacoepidemiology and Drug Safety* 2006;15:S120.
170. Winterstein AG, Haugbolle LS, Melander A. A Systematic Review of the Nature of Preventable Adverse Drug Events in Ambulatory Care. Thomsen LA, Sondergaard B, *Pharmacoepidemiology and Drug Safety* 2006;15:S104.
171. Onyenwenyi A**, Winterstein AG, Hatton R. An Evaluation of the Effects of Gatifloxacin on Glucose Homeostasis. *Pharmacoepidemiology and Drug Safety* 2006;15:S27.
172. Snyder AM**, Klinker PK, Orrick JJ, Janelle J, Winterstein AG. Is the medication system in hospitals failing patients on HAART? American College of Clinical Pharmacy Annual Meeting, October 26-29, St. Louis, MO. *Pharmacotherapy* 2006;26:e104
173. Gabrielli A, Sungur M, Layon J, Bihorac A, Tyler AM, Winterstein AG, LeClaire A, Onyenwenyi A, Staley B. Inappropriate use of vancomycin in critically ill patients with AKI. *Critical Care Medicine* 2006;34(12):A137
174. Gerhard T**, Winterstein AG, Shuster J, Li J, Garman P, Linden S, Johnson M. Demographic Differences in Central Nervous System Stimulant (CNSS) Use in Children and Adolescents with Attention Deficit Hyperactivity Disorder (ADHD): A Study of Florida Medicaid Beneficiaries 1994-2004. *Am J Epidemiol* 2006;163(Suppl):S35.
175. Winterstein AG, Gerhard T, Shuster J, Li J, Garman P, Linden S, Liu H, Johnson M. Incidence and Prevalence of Central Nervous System Stimulant (CNSS) Use in Children and Adolescents with Attention Deficit Hyperactivity Disorder (ADHD): A Study of Florida Medicaid Beneficiaries 1994-2004. *Am J Epidemiol* 2006;163(Suppl):S36.
176. Hogan C**, Winterstein AG, Johns TE, Layon J, Russin M, Klodell CT. Weight-based heparin protocols are efficacious - but are they effective? *Critical Care Medicine* 2005;33 (12 Suppl)
 - First price: University of Florida, College of Pharmacy, Annual Research Showcase, (b) (6) division
177. Drawdy S; Allen M; Winterstein AG; Allen M; Jantz MA. Effect of hydrocortisone vs. hydrocortisone plus fludrocortisones on mortality in critically ill patients. *Critical Care Medicine* 2005;33 (12 Suppl)
178. Drawdy S**, Winterstein AG, Rosenberg A, Hatton RC, Rosenberg EI, Weiner, ID. Validation of automated alerts for the inappropriate use of non-steroidal anti-inflammatory drugs in patients

with renal insufficiency. 40th Midyear Clinical Meeting of the American Society of Health Systems Pharmacist. December 4-8, 2005. Las Vegas, NV

179. Winterstein AG, Gerhard T, Shuster JJ, Hartzema AG. Exposure Propensity Scores: Concepts, Applications, and practical considerations. Workshop presented at the 8th Annual European Congress of the International Society for Pharmacoeconomics and Outcomes Research (ISPOR); Florence, Italy, November 2005.
180. Norberg J, Winterstein AG, Leclaire A, Johns TE. Insulin infusion protocols improve glycemic control, or do they? Poster presentation at the Annual College of Clinical Pharmacy Annual Meeting, October 23-26, 2005, San Francisco, CA
181. Winterstein AG, Beaver TM, Shuster JJ, Gerhard T, Alexander AA, Hartzema AG. Effectiveness of nesiritide on risk for dialysis or death after adult open heart surgery. 21st International Conference on Pharmacoepidemiology and Risk Management. Nashville, August 21-24, 2005. Pharmacoepidemiology and Drug Safety 2005;14(suppl 2): S65-S66
182. Kanjanarat P**, Winterstein AG, Lipowski A, Hartzema AG. Validation of Thai community hospital databases for health policy evaluations on hospital drug utilization. 21st International Conference on Pharmacoepidemiology and Risk Management. Nashville, August 21-24, 2005. Pharmacoepidemiology and Drug Safety 2005;14(suppl 2): S178-S179
183. Gerhard T**, Winterstein AG, Shuster JJ, Hartzema AG. Propensity-score-based analysis compared to multivariate logistic regression: implications for clinical utility. 21st International Conference on Pharmacoepidemiology and Risk Management. Nashville, August 21-24, 2005. Pharmacoepidemiology and Drug Safety 2005;14(suppl 2): S59
 - 3rd best student abstract award
184. Winterstein AG, Lipowski EE, Martindale R. Evidence-based Quality Improvement. American Association of College of Pharmacy Annual Meeting. June 2005, Cincinnati, OH
185. Hartzema AG, Winterstein AG, Johns TE, De Leon JM, Widmer A, Chamberlain J, Bailey W, Winkler R, Pannell R, Henshaw Z, McDonald K. Health Information for Medication Safety in Critical Access Hospitals. Patient Safety and Health Information Technology Conference, Agency for Healthcare Research and Quality, Washington, DC, June 6-10, 2005
186. Taylor MD, Winterstein AG, Hartzema AG, Segal R, Frank RG, MacLean R. The impact of glycemic control on the incidence of diabetic complications. Tenth Annual International Meeting of the International Society for Pharmacoeconomics and Outcomes Research. May 15-18, 2005 Washington, DC. Value in Health 2005; 8(3):256 (oral presentation)
187. Winterstein AG, Johns TE, Hartzema AG. High-priority medication safety targets: two-year progress in small rural hospitals. 39th ASHP Midyear Clinical Meeting. December 5-9, 2004. Orlando, Fl. (oral presentation)
188. Johns TE, Winterstein AG, Hartzema AG. Medication safety assessment in small rural hospitals: people, places, practices. 39th ASHP Midyear Clinical Meeting. December 5-9, 2004. Orlando, Fl. (oral presentation)
189. Winterstein AG, Johns TE, Hatton RC, Weiner DI. Incidence of acute renal failure associated with inappropriate use of NSAIDs in acute care. 20th International Conference on Pharmacoepidemiology and Therapeutic Risk Management. August 22-25, 2004. Bordeaux. Pharmacoepidem Drug Saf 2004;13:S8 (oral presentation)

190. Winterstein AG, Johns TE, Hatton RC, Rosenber EI, Gonzalez-Rothi R, Smith WD. Screening logic to establish the incidence of preventable hypoglycemic events in acute care. 20th International Conference on Pharmacoepidemiology and Therapeutic Risk Management. August 22-25, 2004. Bordeaux. France. Pharmacoepidem Drug Saf 2004;13:S212
191. Gerhard T**, Zineh I, Hartzema AG, Winterstein AG. Cost-effectiveness of nesiritide versus dobutamine in patients with acutely decompensated heart failure. Drug Information Association Annual Meeting 2004, June 13-16, 2004. Washington, DC. 20th International Conference on Pharmacoepidemiology and Therapeutic Risk Management. August 22-25, 2004. Bordeaux, France. Pharmacoepidem Drug Saf 2004;13:S292
192. Winterstein AG, Weiner ID, Johns TE, Hatton RC. Validation of automated database algorithms to identify hospital-acquired acute renal failure. ISPOR 9th Annual International Meeting of the International Society for Pharmacoeconomics and Outcomes Research, May 2004, Arlington, VA. Value in Health 2004;7(3):366
 - Received poster finalist award
193. Pinto S, Segal R, Winterstein AG, Annis L, Robinson D, Yates D, Pederson L, Willis M. Evaluation of pharmacist interventions in diabetic patients from rural community health centers. American Pharmacist Association Annual Meeting, March 2004. Seattle; and ISPOR 9th Annual International Meeting; May 16-19, 2004, Arlington, VA. Value in Health 2004;7(3):337
 - Received APhA-APRS Postgraduate Best Paper Award in the Clinical Sciences section at the American Pharmacist Association Annual Meeting 2004, Seattle, USA.
194. Winterstein AG, Rosenberg EI, Johns TE, Hatton RC, Smith WD 2004. Nature of Medication Errors of Omission Identified through Solicited Reports by Attending Physicians in an Academic Medical Center. J Investig Med 2003;51(s1); February 12-14, 2004, Society of General Internal Medicine Southern Regional Meeting, New Orleans
195. Annis L, Robinson D, Segal R, Pederson L, Willis M, Yates D, Winterstein A, Pinto S, Skipper A. Evaluation of pharmacist interventions in diabetic patients from rural community health centers. American Society of Health Systems Pharmacist Midyear Clinical Meeting, December 2003. New Orleans
196. Smith WD, Winterstein AG, Johns TE. Identifying Root Causes of Hyper/Hypoglycemia Episodes in Adult Medical Patients. ASHP-Midyear-Clinical-Meeting 2003; 38(DEC); FGF-03. American Society of Health-Systems Pharmacist Midyear Clinical Meeting, December 6-10, 2003. New Orleans
197. Hartzema AG, Winterstein AG, Kwon S. A Cost-benefit model for perindopril in secondary stroke prevention. International Society for Pharmaceutical Outcomes research (ISPOR) Sixth International Conference, Nov 10, 2003. Barcelona, Spain (podium presentation)
198. Hartzema AG, Winterstein AG, Kwon S. A cost-benefit model for perindopril in secondary stroke prevention. 8th International Meeting of the International Society for Pharmaceutical Outcomes Research (ISPOR) May 18-21, 2003. Arlington
 - Received poster finalist award
199. Smith WD**, Winterstein AG, Johns TE, Fitzgerald L, Kennedy L, Sauer BC. Identifying Root Causes of Hyper/Hypoglycemia Episodes in Adult Medical Patients. Southeastern Residency Conference, May 8-10, 2003, Athens, Georgia (podium presentation)

200. Correll T**, Winterstein AG, Johns TE, Lawrence T. The incidence and clinical consequence of administration of penicillin and cephalosporin antibiotics in patients who have a documented beta-lactam allergy. Southeastern Residency Conference, Athens, Georgia, May 8-10, 2003 (podium presentation)
201. Soliman G**, Winterstein AG, Kimberlin C, DeLeon J. Enhancing diabetic patients' involvement in the prevention and recognition of medication errors in an acute care setting through the use of a patient training program. Southeastern Residency Conference, Athens, Georgia, May 8-10, 2003. (podium presentation)
202. Winterstein AG, Hartzema AG Development of Community Pharmacy-Based Quality Indicators.. American Pharmacy Association Annual Meeting, March 29th, 2003, New Orleans. (podium presentation)
203. Kanjanarat P, Winterstein AG, Johns TE, Gonzalez-Rothi R, Hatton RC. Stimulated report of in-hospital medication errors of omission and commission utilizing personal digital assistants. American Pharmacy Association Annual Meeting, March 29th, 2003, New Orleans
204. Robinson JD, Segal R, Annis LG, Pederson L, Pinto SL, Winterstein AG. Managing diabetes in Florida-based community health centers. American Society of Health-Systems Pharmacists 37th Annual Clinical Midyear Meeting, December 2002, Atlanta. (ASHP-Midyear-Clinical-Meeting); 2002; 37(DEC)
205. Pharmacists' use of automated healthcare information for medication error prevention. Presentation: Development and results of automated screens for preventable adverse drug events. American Society of Health-Systems Pharmacists 37th Annual Clinical Midyear Meeting, December 10th 2002, Atlanta. ASHP-Midyear-Clinical-Meeting (ASHP-Midyear-Clinical-Meeting); 2002; 37(DEC); PI-167 (symposium development and podium presentation)
206. Winterstein AG, Johns TE, Hatton RC, Gonzalez-Rothi R, Segal R. Pharmacoepidemiologic methods to detect preventable adverse drug events. 18th International Conference on Pharmacoepidemiology. Edinburgh, UK. August 19-21,2002. Pharmacoepidemiology and Drug Safety 2002;11(S1):S198
 - Received EuroDurg Poster Award
207. Kanjanarat P**, Winterstein AG, Johns TE, Gonzalez-Rothi R, Hatton RC, Segal R. Stimulated Report of In-hospital Medication Errors of Omission and Commission Utilizing Personal Digital Assistants (PDAs). Drug Information Association (DIA) 38th Annual Meeting, Chicago, USA. 2002, June 16-20
 - Received (b) (6) poster award
208. Winterstein AG, Kanjanarat P, Johns TE. Stimulated report of in-hospital medication errors or omission and commission utilizing personal digital assistants. The Southeastern Pharmacy Health Care Administration conference. Monroe, Louisiana. June 7-9, 2002
209. Sauer BC**, Winterstein AG, Mattenklotz AM. Design and Validity of Automated Health Care Data Screens to Detect Preventable Adverse Drug Events. Annual Meeting of the International Society of Pharmaceutical Outcomes Research, May 7th, 2002. Arlington, USA. Value in Health 2002;5(3): 225

210. Segal R, Winterstein AG, Robinson D, Annis L, Yates DW, Pederson L Managing diabetes in community health centers.. Annual Meeting of the American Pharmaceutical Association, March 2002. Philadelphia, USA
211. Choy H**, Winterstein A, Lipowski E, Chiu A, Davis J. Practice Variation among warfarin clinics. 36th Annual American Society of Health-System Pharmacy Midyear Clinical Meeting. December 2001, New Orleans
212. Winterstein AG, Johns TE. Introduction of a systematic approach to detect and reduce preventable adverse events. 36th Annual American Society of Health-System Pharmacy Midyear Clinical Meeting. December 2001, New Orleans (Symposium development and podium presentation); lecture Detection, Reduction and Measurement of preventable adverse drug events. ASHP-Midyear-Clinical-Meeting; 2001; 36(Dec); PI-168
213. Kanjanarat P**, Winterstein A, Segal R, Hatton RC, Gonzalez-Rothi R, Johns TE Preventable adverse drug events in hospitals: medications, types of errors, and outcomes. American College of Clinical Pharmacy (ACCP) Annual Meeting, October 2001, Tampa (poster presentation)
214. Bastardo YM**, Winterstein AG, Schaefer M. Performance of the MOS-SF 36 Health Survey to evaluate elderly patients health outcomes. Pharmaceutical Congress of the Americas, March 2001. Orlando, FL (poster presentation)
215. Winterstein AG, Sauer BC, Hepler CD, Poole C. Preventable drug-related hospitals admissions and morbidity in hospital inpatients – a meta-analysis of prevalence reports. American Pharmaceutical Association 148th Annual Meeting, San Francisco, March 2001 (oral presentation)
216. Winterstein AG, Bastardo Y, Schaefer M. Performance of the SF-36 Health Survey in an elderly population. 60th Congress of the International Pharmaceutical Federation, August 2000. Vienna, Austria
217. Winterstein AG, Sauer BC, Hepler CD, Poole C. The incidence of preventable drug-related hospital admissions. 16th International Conference on Pharmacoepidemiology ISPE, August 2000. Barcelona, Spain. Pharmacoepidem Drug Saf 2000;9:S147-8
218. Sauer BC, Winterstein AG, Hepler CD, Poole C. The prevalence of preventable drug-related hospital admissions: a meta-analysis. 36th Annual Drug Information Association Meeting, San Diego, June 2000
- received 1st place (b) (6) poster division
219. Winterstein AG. Indicator development to evaluate the quality of pharmacotherapy and pharmacist performance. 11th International Social Pharmacy Workshop, Kuopio, Finland. June 2000 (oral presentation)
220. Winterstein AG, Hartzema AG, Hepler CD. International development of pharmacy-based indicators to improve asthma management. 59th World Conference of the International Federation of Pharmacists, special interest group pharmacoepidemiology/ pharmaco-economics, Barcelona, Spain. September 2000 (oral presentation)
221. Winterstein AG, Schaefer M. A trial of a community pharmacists' pharmaceutical care program to improve drug therapy and health-related quality of life for elderly patients – introduction and preliminary results from the OMA project in Germany. International Congress on Clinical Pharmacy, American College of Clinical Pharmacy, April 1999. Orlando, USA

Curriculum Development for Conferences

Critical Access Hospital Patient Safety Summit

1.5-day summit in collaboration with FMQAI and the Florida Department of Health. May 14-15, 2013. Gainesville, FL. Curriculum and selected lectures developed in collaboration with (b) (6)

Critical Access Hospital Patient safety Summit

1.5-day summit in collaboration with FMQAI and the Florida Department of Health. June 5-6, 2012. Gainesville, FL. Curriculum and selected lectures developed in collaboration with (b) (6)

Critical Access Hospital Patient Safety Summit

1.5-day summit in collaboration with FMQAI and the Florida Department of Health. May 2-3, 2011. Gainesville, FL. Curriculum and selected lectures developed in collaboration with (b) (6)

Critical Access Hospital Patient Safety Summit.

1.5-day summit in collaboration with FMQAI and Florida Department of Health, March 10-11, 2010, Gainesville, FL. Curriculum and selected lectures developed in collaboration with (b) (6)

Critical Access Hospital Patient Safety Summit

One-day summit in collaboration with FMQAI and Florida Department of Health, March 18, 2009, Gainesville, FL. Curriculum and selected lectures developed in collaboration with (b) (6)

ASHP Bootcamp

Curriculum development (jointly with (b) (6)) for the ASHP Research Foundation aimed at facilitating a start in research for clinicians. Development of 5 online learning modules and online assignments. Faculty at the 2.5-day experiential component comprising lectures and interactive development of participant research proposals. Bethesda, MD, May 4-6, 2011, May 19-21, 2010, and May 2008.

Critical Access Hospital Patient Safety Summit

1.5-day summit in collaboration with FMQAI and Florida Department of Health, November 13-14, 2007. Gainesville, FL. Curriculum and selected lectures developed in collaboration with (b) (6)

Critical Access Hospital Patient Safety Summit

1.5-day summit in collaboration with FMQAI and Florida Department of Health, November 13-14, 2006. Gainesville, FL. Curriculum and selected lectures developed in collaboration with (b) (6)

Critical Access Hospital Patient Safety Summit

1.5-day summit in collaboration with FMQAI and Florida Department of Health, November 15-16, 2004. Gainesville, FL. Curriculum and lectures developed in collaboration with (b) (6)

Critical Access Hospital Patient Safety Summit

1-day summit in collaboration with FMQAI and Florida Department of Health, August 13, 2003. Gainesville, FL. Curriculum and lectures developed in collaboration with (b) (6)

Professional Service

Editorial Boards and Peer Review Activities

Ad hoc reviewer for professional journals (# reviewed)

2010 – present Acta Psychiatrica Scandinavica (3)
2015 – present Administration and Policy in Mental Health and Mental Health Services Research (2)
2011 – present AHRQ DEcIdE Effective Health Care Program (3)
2012 – present American Journal of Drug and Alcohol Abuse (1)
2007 – present American Journal of Health Systems Pharmacy (10)
2014 – present Annals of Pharmacotherapy (2)
2011 – present BioMedCentral Pediatrics (3)
2013 – present BMJ open (1)
2014 – present Drug Safety (2)
2009 – present Drugs and Aging (2)
2013 – present Epidemiology (1)
2012 – present Expert Review of Pharmacoeconomics and Outcomes Research (1)
2007 – present Medical Research and Opinion (3)
2004 – present Clinical Pharmacology and Therapeutics (2)
2004 – present International Journal of Clinical Pharmacy (16)
2014 – present Journal of the American Heart Association (2)
2003 – present Journal of American Pharmaceutical Association (5)
2010 – present Journal of Child and Adolescents Psychopharmacology (5)
2007 – present Journal of the American Medical Association JAMA (4)
2007 – present JAMA Internal Medicine (4)
2003 – present Journal of Pharmaceutical Finance, Economics and Policy (1)
2010 – present Pediatrics (5)
2011 – present Pharmacotherapy (5)
2004 – present Pharmacological Research (1)
2009 – present Pharmacoepidemiology and Drug Safety (13)
2011 – present PLoS ONE (3)
2012 – present Reproductive Toxicology (3)
2008 – present Value in Health (6)

Editorial Boards

2009 American Journal of Health System Pharmacy Research Series
(guest editor for Research Fundamental Series – 12 papers)

Grant review panels

2012 NIH: Special Emphasis Panel/Scientific Review Group 2012/10 ZMH1 ERB-I
2010 Florida Department of Health, FLEX Grants
2009 - 2012 American Society of Health Systems Pharmacist Research Foundation, Research Bootcamp applications
2009 CDC Study Section ZCD1 SXQ 02
2009 Idaho Board of Education, Center Grants
2006 - 2007 Florida Health Information Network / Governor's Advisory Board for the Implementation of Health Information Technology, Grant Program
2006, 2008 University of Florida, Division of Sponsored Research, Research Opportunity Fund
2006 American Society for Health Systems Pharmacist Research and Education Foundation, Junior Investigator Grant Program
2006 Michael Smith Foundation for Health Care Research; Senior Scholar Award Program
1999 - 2003 German Pharmaceutical Care Foundation

Tenure and Promotion Reviews

2016 University of Pennsylvania
2016 University of Nebraska Medical Center
2015 University of Chicago at Illinois
2015 UNC School of Public Health
2014 National University of Singapore Department of Pharmacy
2014 Johns Hopkins School of Medicine
2014 Northeastern School of Pharmacy
2014 Harvard School of Public Health
2012 Oregon State University College of Pharmacy (2)
2011 University of New Mexico College of Pharmacy
2010 University of Florida College of Medicine

Memberships, Committees, Advisory Boards

International Society of Pharmacoepidemiology

2014 – present Board member
2011 – present Faculty Advisor, IF ISPE student chapter
2011 – 2012 Chair, Academic Council

2010 – 2012	Planning Committee ICPE Midyear 2012
2008 – present	Education Committee
2000 – present	Member

American Society of Health Systems Pharmacists

2005 – 2010	Chair, Research Advisory Board ASHP Research Foundation
2004 – present	Member, Research Advisory Board ASHP Foundation
1998 – present	Member

American Association of Colleges of Pharmacy

2010 – 2011	Committee for Graduate Programs
2001 – present	Member

FDA – Center for Drug Evaluation and Research (CDER)

2013 – present	Chair, Drug Safety and Risk Management Advisory Committee (DSaRM)
2011 – 2012	Member, DSaRM
2009 – 2011	Consultant to DSaRM
2011 – present	Mini Sentinel Safety Science Committee, consultant

UF/UF Health

2015 – present	UF Health Power of Together (PoT) Data and Analytics implementation team
2015 - present	Governing Board, Medication Therapy Management Communication and Care Center, College of Pharmacy
2015	UF Health Strategic Planning Committee, work group on data analytics
2014 – present	College of Pharmacy Faculty Development Committee
2012 – present	UF Research Computing Advisory Committee
2012 – 2013	UF Academic Health Center (AHC) Advisory Committee for Research Information technology
2012 – present	Center for Pharmacometrics and Systems Pharmacology Strategic Advisory Group
2011 – 2014	College of Pharmacy Graduate Studies Committee
2009 – 2012	College of Pharmacy Tenure and Promotion Committee
2007 – 2008	Chair, Dean’s Task Force on Problem-based Learning, College of Pharmacy
2005 – 2006	PhD Epidemiology Planning Committee, College of Public Health & Health Professions
2004 – 2008	Epidemiologist, Clinical Practice Committee, UF&Health Shands
2003 – 2010	College of Pharmacy Curriculum Committee
2002 – 2004	Institute of Aging Working Group
2001 – 2012	UF Health Shands Medication Safety Committee

Other memberships

2012 – present	Federal Interagency Workgroup for Adverse Drug Events
2011	Board member, Risk Communication Advisory Board, Global Medical Regulatory & Safety, Eli Lilly
2008 – 2014	UF Academic Health Center interdisciplinary learning community on patient safety curricula
2007 – 2008	Safety Technical Advisory Panel for the National Voluntary Consensus Standards

	for Therapeutic Drug Management Quality project, National Quality Forum (NQF)
2007 – 2009	Biomedical Informatics Core Committee, UF CTSA
2005 – 2007	Special advisor, Florida Governor’s Health Information Technology Advisory Board
2004 – 2008	Board Member, North Florida Foundation for Research and Education, North Florida/South Georgia Veterans Health System
1999 – 2006	Scientific Board, German National Pharmaceutical Care Foundation
2002 – 2005	Member, Drug Information Association
2001 – present	American Pharmacists Association (APhA)
2000 – present	ISPOR International Society of Pharmacoeconomics and Outcomes Research
1996 – 2003	Pharmaceutical Care Network Europe (PCNE)
1998 – 2001	Secretary, Special Interest Group Pharmacoepidemiology and Pharmacoeconomics, International Federation of Pharmacists
1997 – 1999	European Society of Clinical Pharmacy
1997 – 1999	Vice-president and Founding Member, German National Pharmaceutical Care Foundation
1997 – 2001	International Federation of Pharmacists (FIP)
1996 – 2001	German Pharmaceutical Society
1996 – 1998	Delegate for the Pharmacy Association of Westfalen-Lippe

Experience with Health-related Datasets

Florida Medicaid; MAX; HCUP; Ingenix; NCHS surveys; US hospital administrative and clinical databases (UF Health); IMS; SDI; Truven; Medicare Part A,B,D; Thai Government hospitals databases

Professional Awards and Honors

Robert & Barbara Crisafi Cair - Endowment in Pharmaceutical Outcomes & Policy	2016
Pharmacoepidemiology and Drug Safety; recognition of best peer review	2014, 2015
Fellow of the International Society of Pharmacoepidemiology	2013
APhA Wiederholt Prize for best paper (together with C. Kimberlin)	2013
Nominee by the Joint Commission of Pharmacy Practitioners for the PCORI Methodology Committee for US GAO	2012
University of Florida, Research Foundation Professorship Award	2010 – 2012
Best Practice Award in Teaching, College of Pharmacy, University of Florida	2005
Magna cum Laude, Doctoral dissertation. Humboldt University, Berlin, Germany	1999
(b) (6)	

Courses (professional PharmD and Pharmacy Administration PhD curriculum)

PHA 6717 Measurement in Pharmaceutical Outcomes Research (3 credits, annually)

Co-instructor with ^{(b) (6)} from 2008 to 2014; course coordinator since 2015; mandatory course in POP residential MS and PhD program

PHA 5226 Evidence-based Pharmacy (4 credits, annually)

Course coordinator from 2006 (developed as new course) to 2011, mandatory course in 3rd year Professional PharmD Curriculum

PHA 6796 Study Design in POP research (3 credits, annually)

Course coordinator from 2009-2011, core course in MS and PhD graduate curriculum

PHA 5211 Pharmaceutical Outcomes (3 credits, annually)

Course coordinator from 2003-2005, mandatory 3-credit hour course in 3rd year Professional PharmD Curriculum; was terminated in 2005 and replaced by PHA 5226

2004 – 2006, 2009, 2011 chair for pharmacoepidemiology journal club

PHA 6935 Foundations - pharmacoepidemiology (annually)

Co-instructor (5-6/16 weeks), 2 credit hour mandatory course in POP MS and PhD curriculum

PHA 5213 Pharmaceutical Outcomes Evaluation (2 credits, annually)

Co-Instructor with ^{(b) (6)} from 2001 to 2003, 2-credit hour mandatory course in the 4th year professional Pharm.D. Curriculum

PHA 5941 clinical practicum 1: Keeping families healthy program

Group facilitator in 2002, (medical, nursing and pharmacy students),
