

Rachel C. Reise, MS, PharmD, CPh

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EDUCATION

University of Florida College of Pharmacy , Gainesville, FL Pharmaceutical Outcomes & Policy (M.S.) Specialty Track: Medication Safety and Quality Systems	August 2020-May 2022
University of New Mexico College of Pharmacy , Albuquerque, NM Doctor of Pharmacy (PharmD)	June 2016-May 2020
University of Minnesota-Duluth , Duluth, MN Bachelor of Science in Biochemistry and Molecular Biology (B.S.) Bachelor of Arts in Hispanic Studies (B.A.) Degree honors with distinction	Aug 2012-May 2016
Instituto de San Joaquín de Flores , San Joaquín, Heredia, Costa Rica Intensive Language & Culture program: 6 credits of upper-level classes while living with a local host family	June-August 2015

LICENSES AND CERTIFICATIONS

Consultant Pharmacist - Florida Board of Pharmacy (License #PU8907) <i>Exp. Dec 31, 2024</i>	May 2021
Immunization Certification - Florida Board of Pharmacy	March 2021
Registered Pharmacist - Florida Board of Pharmacy (License #PS61820) <i>Exp. Sept 30, 2025</i>	Oct 2020

WORK EXPERIENCE

Clinical Assistant Professor Department of Pharmaceutical Outcomes & Policy University of Florida College of Pharmacy, Gainesville, FL	June 2022-Present
Assistant Director of Pharmacy Services UF Health Physicians, Gainesville, FL	June 2022-Present
Fellow in Healthcare Quality, Medication Safety, and Population Health University of Florida College of Pharmacy and UF Health Physicians, Gainesville, FL	June 2020-June 2022

Responsibilities:

Quality

- Conduct inspections of 50+ UF Health clinics to report findings and recommendations
- Create Continuous Quality Improvement (CQI) reports quarterly for the clinics
- Contribute to various UF Health quality improvement projects with physicians, including those related to atrial fibrillation, hemophilia, diabetic retinopathy, and short bowel syndrome

Safety

- Lead the Clinical Safety Committee (CSC), which meets monthly for approval of clinic drug formularies and services along with medication investigation
- Serve as a member of the UF Health Physicians (UFHP) Safety & Quality team and contribute formal commentary on Patient Safety Reports (PSRs)
- Draft educational materials relating to medication safety for clinics, especially following patient safety events
- Provide guidance on the handling of drugs following a temperature excursion
- Provide education to clinical staff regarding proper medication security, temperature monitoring, and drug disposal
- Monitor drug and device recall notifications and clinic drug purchasing records

Clinical

- Maintain ongoing relationships with clinic managers and lead nurses

- Assist in COVID-19 vaccination efforts, including drafting policies, providing vaccine education, ordering and transporting supplies, answering clinical questions from staff, monitoring storage conditions, and maintaining active tracking of inventory consumption and dose wasting
- Serve as a liaison between pharmaceutical representatives and clinics regarding medication and vaccination use
- Provide oversight of outpatient clinics' pharmacy-related workflows, including assistance with drug information questions, drug acquisition, licensure, and medication disposal
- Serve as a liaison between clinic managers/staff and drug wholesaler representatives
- Coordinate and operationalize additional immunization efforts at clinics newly offering the service and at pop-up sites
- Assist in writing drug and vaccine-related protocols (hurricane/power outages, immunizations, standing orders, novel Covid-19 therapies, etc)

Cost Assessment

- Implement changes in preferred vaccines lists to reduce costs while following current practice recommendations
- Conduct annual cost assessments relating to flu and non-flu vaccine contracts and present results of findings to UFHP leadership

Regulatory

- Manage clinic drug formularies and permits (Modified Class IIB pharmacy licenses, Health Care Clinic Establishment permits, DEA licenses)
- Serve as a consultant for legal regulations relating to pharmacy, documentation, and the delivery of care

Research

- Conduct research relating to healthcare quality, medication safety, policy, and/or population health

Teaching

- Collaborate with nurse educators and present a biweekly medication safety lecture at nursing employee orientation
- Present a bi-monthly lecture on medication safety topics at a family medicine clinic
- Help precept Advance Pharmacy Practice Experiences (APPE) students and introduce them to Pharmacy Services in health systems
- Serve as a TA for Skills Lab at the College of Pharmacy and help teach a Patient Safety & Quality course for pharmacy students

Other

- Manage and supply PPE and other inventory for clinics during the COVID-19 pandemic
- Assist clinic staff with the procurement of medications and other supplies in shortage
- Utilize data to inform various processes (e.g. decisions relating to influenza vaccines in the clinics)

Drug Information Consultant , NeX Step, Inc in Santa Fe, NM	Nov 2018-May 2020
Peer Tutor , UNM College of Pharmacy, Albuquerque, NM	Aug 2017-May 2019
Pharmacy Intern , Smith's Pharmacy, Albuquerque, NM	June 2018-Feb 2019

TEACHING

Current Teaching

PHA6265 Introduction to Pharmaceutical Outcomes & Policy Research, UF College of Pharmacy Feb 2023-Present
Lecturer of 'Drug Utilization Review studies' in course required for 1st year POP PhD students (Spring semester)

PHA5789C Patient Care VII, UF College of Pharmacy January 2023-Present
Lecturer of 'TC: Quality Assessment to Develop Targets for QI' in course required for 3rd year PharmD students (Spring semester, 6 credit hours).

PHA5156L Skills Lab V, UF College of Pharmacy August 2022-Present
Instructor of Module 8: Patient Safety in course required for 3rd year PharmD students (Fall semester, 1 credit hour).

PHA5226C Patient Safety & Quality, UF College of Pharmacy Sept 2021-Present
Coordinator/lead instructor of course required for 3rd year PharmD students (Fall semester, 2 credit hours).

Past Teaching Experiences

Medication Safety Lecture, UF Health Physicians Nursing Orientation Feb 2021-Dec 2022
Presented a biweekly lecture on medication safety and regulatory requirements for new nursing staff

Friday Lecture Series, UF Health Family Medicine Main St August 2020-Dec 2022
Presents bimonthly lecture on medication safety topics to 4th year pharmacy students

PHA5165L Pharmacy Skills Lab, UF College of Pharmacy Nov 10, 2021
Served as a facilitator for Module 12: Patient Safety

APPE Student precepting, UF Health Physicians May 2021 and March 2022

Assisted preceptor of record, Dr. Scott Vouri, with precepting two 4th year pharmacy students

PHA6163L/PHA5164L Pharmacy Skills Lab, UF College of Pharmacy Aug 2020-May 2021
Served as a teaching assistant to 2nd year pharmacy students for two semesters, facilitating both in-person and over Zoom

PHA5226C Patient Safety & Quality Course, UF College of Pharmacy Sept-Oct 2020
Served as a T.A. by facilitating discussions and assisting with grading assignments

Opioid Research Workgroup Journal Club Facilitation, University of Florida Oct 5, 2020
Served as facilitator for student-led journal club and currently serving as a mentor on a research project within the group

Self-Care Class, UNM College of Pharmacy April 2020
Helped serve as a facilitator for a 1st year pharmacy student OTC class during an APPE rotation by writing patient cases and leading a class discussion

Tutoring, UNM College of Pharmacy Aug 2017-May 2019
Served as a tutor for the Class of 2021 for 2 years and the Class of 2020 for 1 year

Training

Teaching Certificate Program, UF College of Pharmacy Aug 2020-June 2021
Program within the College of Pharmacy aimed at providing foundational knowledge and skills to become effective teachers in a variety of settings

Preparing Future Faculty Program, UF Center for Teaching Excellence Jan 2021-May 2021
A semester-long interdisciplinary course whose participants were selected on a competitive basis. Activities included attending weekly class discussions, completing various readings and assignments, and meeting with a teaching mentor

RESEARCH

Peer-Reviewed Publications

1. **Reise R**, Huang Y, Usmani SA, Gruber L, Patel N, Green T, Swilley L, Dewar MA, Gums J. The Adaptation of a Clinic-Adjacent Parking Garage for Drive-In COVID-19 Vaccination. *Health Serv Insights*. 2021 Sep 11;14:11786329211042769. doi: 10.1177/11786329211042769.
2. Vouri SM, Morris EJ, Usmani SA, **Reise R**, Jiang X, Pepine CJ, Manini TM, Malone DC, Winterstein AG. Evaluation of the key prescription sequence symmetry analysis assumption using the calcium channel blocker: Loop diuretic prescribing cascade. *Pharmacoepidemiol Drug Saf*. 2021 Sep 23. doi: 10.1002/pds.5362.
3. Santana G, **Reise R**, Koenig M, Dodd M, Zhang QY. Evaluating test utilization for anemia during pregnancy. *Int J Lab Hematol*. 2022 Jan 14. doi: 10.1111/ijlh.13797.

Under Review:

4. **Reise R**, Ndai A, Dewar MA, Vouri SM. Assessment of the Utilization of Real-Time Prescription Benefits for Patient Cost Savings within an Outpatient Setting. Submitted to *Exploratory Research in Clinical and Social Pharmacy*, December 2023.
5. **Reise R**, Dewar MA, Ndai A, Morris EJ, Vouri SM. A comparison of vancomycin oral capsules vs. oral liquid for the treatment of C.difficile on readmission. Submitted to *Journal for General Internal Medicine*, December 2023.
6. Ndai A, Wynn T, Rajasekhar A, Saqr Z, Sandeli I, **Reise, R**. Rapid Recognition and Optimal Management of Hemophilia in the Emergency Department: A Quality Improvement Project. Submitted to *Journal of the American College of Emergency Physicians Open*, December 2023.
7. Xiang K, Ndai A, **Reise R**, Rosenberg E, Catanzaro J, Smith AM, Moore M, Singer T, Tamas M, Jackson M, Dietric E, Conti J, Dewar MA. Accepted to *Circulation: Cardiovascular Quality and Outcomes*, January 2024.

Peer-Reviewed Abstracts

1. Ndai A., Smith S.M., Svensson M.K., Vouri S.M., **Reise R.** The Role of Anticoagulants Clinics in Anticoagulant Therapy Initiation for Incident Atrial Fibrillation. *ISPOR 2023 Annual International Meeting*. Boston, MA, USA. May 7-10, 2023.
2. **Reise R.**, Bhagwandass H, Galvez SA, Smith K, Tortor C, Usmani SA, Hincapie-Castillo JM, Goodin A, Vouri SM. Assessment of DEA Controlled Substance Public Disposal Locations in Florida Pharmacies. *AcademyHealth 2022 Annual Research Meeting*. Washington DC, USA. June 4-7, 2022.
3. **Reise R.**, Ndai A, Dewar MA, Vouri SM. Assessment of the Utilization of Real-Time Prescription Benefits for Patient Cost Savings within an Outpatient Setting. *AcademyHealth 2022 Annual Research Meeting*. Washington DC, USA. June 4-7, 2022.
4. **Reise R.**, Dewar MA, Sumfest J, Ndai A, Staley B, Morris EJ, Vouri SM. A comparison of vancomycin oral capsules vs. oral liquid for the treatment of *C.difficile* on readmission. *AcademyHealth 2022 Annual Research Meeting*. Washington DC, USA. June 4-7, 2022.

Projects in Progress

A comparison of vancomycin oral capsules vs. oral liquid for the treatment of C.difficile on readmission

Reise R., Dewar MA, Sumfest J, Ndai A, Staley B, Morris EJ, Vouri SM

Improving Time to Administration of Factor in Hemophilia Patients in the ED.

Ndai A, Allen B, Wynn T, Rajasekhar A, **Reise R.**

The Role of Anticoagulants Clinics in Anticoagulant Therapy Initiation for Incident Atrial Fibrillation

Ndai A., Smith S.M., Svensson M.K., Vouri S.M., **Reise R.**

Scoping Review of Pharmacist-Led Comprehensive Medication Review (CMR)

Polzing P, **Reise R.**, Vouri SM

Assessment of DEA Controlled Substance Public Disposal Locations in Florida Pharmacies

Reise R., Bhagwandass H, Galvez SA, Smith K, Tortor C, Usmani SA, Hincapie-Castillo JM, Goodin A, Vouri SM

Systemic Side Effects of Eye Drops: A Meta-Analysis

Deravi M, Ma K, Ndai A, Wang HM, **Reise R.**, Vouri SM

Systematic Review of Controlled Substance Disposal and Takeback Programs in the United States

Ma K, Shah R, Keshwani S, Tran N, **Reise R.**, Thompson B, Hochleitner L, Adkins L, Hincapie-Castillo JM, Goodin A, Vouri SM

Past Projects

Transleaflet interactions between phospholipid bilayers in cellular biomimetic membranes using Fluorescence Correlation Spectroscopy (FCS)

April 2013-Jan 2015

Faculty advisor: Erin Sheets

Grants Awarded

\$10,000 UF Health Shands Quasi Endowment fund awarded for project "Quality Assessment of Electronic Prior Authorization (ePA) and Real-Time Pharmacy Benefits (RTPB) and Program Expansion"

June 2021-Current

Rachel Reise (PI), Scott Martin Vouri (co-PI)

\$1,700 grant awarded for project "Investigating transleaflet interactions in biomembranes"

March 2014

\$1,700 grant awarded for project "Investigation transleaflet interactions in biomembranes: an initial study"

April 2013

MENTORSHIP

Graduate Committee Member

PhD student advisee: Hsin-Min (Grace) Wang

June 2023-Present

Post-Doctoral Fellowship Director in Healthcare Quality, Medication Safety, and Population Health

Oct 2022-Present

Fellows: Michael Luvera, PharmD, Jaeyoung Choi, PharmD, Kelly Ma, PharmD

Graduate Student Mentor in PHA6265 Jan 2022-Present
PhD student mentee: Kayla Smith, PharmD

International Internship for German Pharmacists Nov 2022-Present
Current advisee: Peggy Pölzing, BPharm

AWARDS

Joy H. Donelson Leadership Award for Women Students in Pharmacy, UNM College of Pharmacy May 2020
Awarded to graduating female student(s) who have demonstrated high standards of leadership in the Doctor of Pharmacy program.

Annual Patient Care Award, UNM College of Pharmacy May 2020
Recognizes students for excellent performance during pharmacy rotations. Recipients excel in areas of patient care, such as communication skills, counseling, drug utilization review, therapeutic drug monitoring, and drug regimen evaluation and recommendations.

Brother of the Year, Phi Delta Chi April 2017
Award voted upon by the fraternity to be given to a member who exhibits excellence.

AcademyHealth Annual Research Meeting June 6, 2022
Poster presentations on “Assessment of DEA Controlled Substance Public Disposal Locations in Florida Pharmacies”; “Assessment of the Utilization of Real-Time Prescription Benefits for Patient Cost Savings Within an Outpatient Setting”; “A Comparison of Vancomycin Oral Capsules vs Oral Liquid on *C. difficile* Readmission”

PROFESSIONAL PRESENTATIONS

UF American Society of Consultant Pharmacists (ASCP) General Board Meeting Nov 13, 2023
Multimedia presentation: “Prescription for Success: My Path to Consultant Pharmacy”

UF College of Pharmacy Pharmaceutical Outcomes & Policy Seminar Sept 2, 2021
“A comparison of vancomycin oral capsules vs. oral liquid for the treatment of *C. difficile* on readmission”

ASHP Midyear Clinical Meeting Dec 10, 2019
Professional poster presentation: “Test utilization for iron-deficiency anemia across trimesters in the state of New Mexico: a retrospective, longitudinal, cross-sectional study”
Co-presenter: Gina Santana, PharmD

NM Corrections Facility ECHO Sept 12, 2019
Educational presentation to NM prisoners across the state about diabetes

Calgary Poison Center Toxicology Webinar Aug 16, 2019
Powerpoint webinar presentation to an international audience: “Kombucha: tea of life? Toxicity associated with kombucha tea”

TriCore Reference Laboratories- Diagnostic Optimization June 26, 2019
Powerpoint presentation to TriCore CEO, pathologists, and business leaders in hybrid format (in-person and over Zoom): “Iron Deficiency Anemia Dashboard Proposal”

Department of Chemistry and Biochemistry Undergraduate Symposium April 23, 2016
Peer-reviewed multimedia presentation: “The role of iron in the pathophysiology of diabetes by ROS-induced pancreatic β -cell inflammation and apoptosis”

Annual Undergraduate Research & Artistic Showcase Dec 4, 2014
Poster presentation: “Determination of lateral diffusion coefficients within biomimetic lipid bilayers”

ADVANCED PHARMACY PRACTICE EXPERIENCES (APPEs)

Primary Care Elective , Albuquerque, NM Preceptor: James Nawarskas, PharmD, PhC, BCPS	April 2020
Advanced Community at Walmart Pharmacy , Albuquerque, NM Preceptor: Kevin Chung, PharmD	March 2020
Ambulatory Care at Zia Health & Dental HIS Clinic , Zia Pueblo, NM Preceptor: CDR Steven Rodgers, PharmD	Feb 2020
Neurology at UNM Pain Center/First Choice Community Health , Albuquerque, NM Preceptor: Mikiko Takeda, PharmD, PhC	Jan 2020
Internal Medicine at Lovelace Medical Center , Albuquerque, NM Preceptor: Diane Trainor, PharmD	Nov 2019
Advanced Hospital at Lovelace Medical Center , Albuquerque, NM Preceptor: Lisa Galante, RPh	Oct 2019
Liver Care at ECHO/HepC Clinic , Albuquerque, NM Preceptor: Paulina Deming, PharmD, PhC	Sept 2019
Toxicology at NM Poison Control & Drug Information Center , Albuquerque, NM Preceptor: Susan Smolinske, PharmD, BCPS, DABAT	Aug 2019
Population Health at TriCore Reference Laboratories , Albuquerque, NM Preceptor: Monique Dodd, PharmD, PhC, MLS(ASCP)CM	June 2019

LEADERSHIP POSITIONS

Vice President of Class- UNM College of Pharmacy Class of 2020	March 2018-May 2020
Class Tutor- UNM College of Pharmacy Class of 2021 and 2020	Aug 2017-May 2019
Vice President of Phi Delta Chi- Professional pharmacy fraternity	April 2018-April 2019
Secretary of Phi Delta Chi- Professional pharmacy fraternity	April 2017-April 2018

COMMUNITY SERVICE

<u>Drug Takeback Programs</u>	
DEA Drug Takeback Day , Alachua Health Promotion & Wellness Coalition, Hawthorne, FL	Oct 23, 2021
DEA Drug Takeback Day , Alachua Health Promotion & Wellness Coalition, Alachua, FL	April 24, 2021
<u>Immunizations</u>	
Moderna Covid-19 vaccination clinic , Internal Medicine Springhill, Gainesville, FL	March 23, 2021
Flu shot clinic , UNM SE Heights clinic, Albuquerque, NM	Oct 28, 2017
Flu shot clinic , UNM College of Pharmacy, Albuquerque, NM	Oct 21, 2016
Drive-thru flu shot clinic , UNM Health Science campus, Albuquerque, NM	Oct 1, 2016
<u>Educational Presentations</u>	
OTC Self-Care and Wellness , Sandia High School, Albuquerque, NM	Oct 19, 2018
Generation Rx , Mexican Consulate, Albuquerque, NM	Oct 20, 2017
Generation Rx , Mexican Consulate, Albuquerque, NM	Oct 12, 2016

OTHER SKILLS

SAS Programming for Academic Use
Basic Skills

Covidence Tool for Systematic Reviews
Basic Skills

LANGUAGE PROFICIENCY

Passed Oral Proficiency Exam in Spanish, Requirement for Hispanic Studies B.A.

Oct 20, 2015