

PGY2 Ambulatory Care Pharmacy Residency

UCHealth-University of Colorado Hospital/University of Colorado Skaggs School of Pharmacy

(ASHP Accreditation #82155; NMS Program Code 514165)

This PGY2 pharmacy residency program builds on Doctor of Pharmacy education and PGY1 pharmacy residency programs to contribute to the development of clinical pharmacists in the specialized area of ambulatory care practice. PGY2 residencies provide residents with opportunities to function independently as practitioners by conceptualizing and integrating accumulated experience and knowledge and incorporating both into the provision of patient care. Residents who successfully complete this accredited PGY2 pharmacy residency are prepared for advanced patient care, academic, or other specialized positions, along with board certification in ambulatory care. Graduates of this program are qualified to practice as a clinical pharmacist and/or become a faculty member at a School of Pharmacy or Medicine.

The University of Colorado is an interprofessional, state of the art academic medical center. Our residents have robust clinical training and educational/academic experiences. Residents gain experience in medical writing and publishing, complete a research project of publishable/presentable quality, and are involved with practice management activities.

LEARNING EXPERIENCES:

Required Longitudinal Rotations (entire 12-months)	
Family Medicine	This clinic site is the School of Medicine's interdisciplinary AF Williams Family Medicine clinic and enables a well-rounded experience with a wide variety of patient populations (e.g., children, adults, elderly, pregnant patients) and providers (physicians, medical residents, nurses/nurse practitioners, physician assistants, psychiatrist/psychologists, and health sciences trainees). Clinical pharmacists provide team-based care, consultative services, direct patient care under collaborative drug therapy protocols, and education.
Population Health	At the University of Colorado Health (UCHealth) System. Activities within UCHealth involve targeted strategies to improve quality metrics and care gaps for practices within the UCHealth system, ranging from Ft. Collins to Pueblo. However, this experience is based out of the Population Health Pharmacy office on the Anschutz Campus.
Academia	Teaching and other educational activities for PharmD students and Medical Residents
Research	Working with a team of faculty members to complete a research project
Required Core Rotations (3-months)	
Geriatrics	The Senior's clinic at the University of Colorado Hospital cares for patients age ≥75 years.
Internal Medicine	The University of Colorado Hospital Anschutz clinic is the largest internal medicine clinic in our system. This is a medical residency training sites where clinical pharmacists are embedded as a part of the care team.
Primary Care	Several primary care clinics within UCHealth where clinical pharmacists provide care.

Elective Rotations (over 6 weeks or 3 months)

- Electives are available where University of Colorado Anschutz Medical Campus faculty practice, including Children's Hospital of Colorado, Denver Health, and Clinica Family Health.
- Electives include: anticoagulation/benign hematology, clinical lipidology, diabetes, FQHC clinic, hepatitis C, nephrology, pediatrics, pharmacy education (APhA), psychiatry, solid organ transplantation, women's health, etc.

The Teaching Certificate Program and A Structured Program to Guide Residents' Experience in Research are required.

REQUIREMENTS: Doctor of Pharmacy Degree (ACPE accredited), PGY 1 residency, Pharmacist licensure in Colorado throughout the duration of the PGY2 program

BENEFITS: Salary is \$60,923 (2021-2022 stipend). Benefits include: healthcare, 15 days annual leave (and select holidays), and a travel stipend. Residents are appointed as Clinical Instructors with the School of Pharmacy.

APPLICATION: Interested applicants should provide a letter of intent, CV, academic transcripts, and 3 letters of recommendation using the ASHP Pharmacy Online Residency Centralized Application Service (<http://www.ashp.org/phorcas>). The application deadline is January 1.

Send questions to: Liza Claus, PharmD (Liza.Claus@CUAnschutz.edu), or Joseph Saseen, PharmD (Joseph.Saseen@CUAnschutz.edu)

<https://pharmacy.cuanschutz.edu/academics/residencies/pgy2-ambulatory-care-residency>



3 months

Internal Medicine Clinic Core

- Internal Medicine Clinic – Anschutz or Lowry Clinics (6 half-days/week)

3 months

Geriatrics Clinic Core

- Seniors Clinic – Anschutz Outpatient Pavilion (6 half-days/week)

3 months

Primary Care Clinic Core

- Several Clinics (4 half-days/week)

3 months

Electives Core

- Electives – usually two different experiences (5 half-days/week)

Longitudinal Learning Experiences over 12 months:

1. **Family Medicine** – AF Williams Clinic (2 to 4 half-days/week)
2. **Population Health** – UCHHealth (2 to 3 half-days/week)
3. **Academia**
4. **Research**

Resident Roster: University of Colorado PGY2 Ambulatory Care Pharmacy Residency

Name	Year	Education	Residency Project	Current Position
Lindsay Courtney	20-21	<ul style="list-style-type: none"> PharmD: University of Colorado PGY1: University of Pittsburg Medical Center 	“Incidence of VTE among COVID-19 positive patients following hospital discharge”	Assistant Professor: Texas Tech University; Amarillo, TX
Brooke Trudeau	20-21	<ul style="list-style-type: none"> PharmD: University of Michigan PGY1: Detroit Medical Center 	“Characterizing changes in diuretic therapy in patients with heart failure after implementation of an SGLT2 inhibitor”	Clinical Pharmacist: Denver Health Medical Center; Denver, CO
Ben Hill	20-21	<ul style="list-style-type: none"> PharmD: University of West Virginia PGY1: Boulder Community Hospital 	“Medications associated with increased occurrence of urinary tract infections in patients with diabetes and/or heart failure”	Ambulatory Care Specialist: The Ohio State University Wexner Medical Center; Columbus, OH
Briana Williams	20-21	<ul style="list-style-type: none"> PharmD: University of Colorado PGY1: Denver Health Medical Center 	“Direct oral anticoagulants versus warfarin in patients with single or double antibody-positive antiphospholipid syndrome” Accepted, <i>J Thromb</i>	Assistant Professor: University of the Incarnate Word; San Antonio, TX
Vivian Cheng	19-20	<ul style="list-style-type: none"> PharmD: University of North Carolina PGY1: VAMC, Denver 	“Prescribing practices of migraine-specific pharmacotherapy associated with emergency department use for migraine” <i>Headache</i> . 2021;61:455–461.	Clinical Pharmacy Specialist: Valley Medical Center: Seattle, WA
Joseph Nardolillo	19-20	<ul style="list-style-type: none"> PharmD: University of Rhode Island PGY1: Indian Health Service Albuquerque 	“Retrospective cohort study of statin prescribing for primary prevention among people living with HIV” <i>JSRM Cardio Dis</i> 2021;10:1-10.	Assistant Professor (Clinical): Wayne State University/Henry Ford Health System; Detroit, MI
Jennifer Tunoa	19-20	<ul style="list-style-type: none"> PharmD: University of Colorado PGY1: VAMC, Seattle, WA 	“Early impact of 2018 AHA/ACC/Multisociety Cholesterol Guideline on lipid monitoring after statin initiation” <i>J Clin Lipidol</i> . 2020;14:784-790.	Geriatric Clinical Pharmacy Specialist: VA Puget Sound Healthcare System (Seattle Division); Seattle, WA
Navya Varshney	19-20	<ul style="list-style-type: none"> PharmD: University of Michigan PGY1: University of California San Francisco 	“Sodium-glucose cotransporter-2 inhibitors and risk for genitourinary infections in older adults with type 2 diabetes” <i>Ther Adv Drug Saf</i> . 2021;12:1-8.	Internal Medicine/Geriatrics Clinical Pharmacy Specialist: Johns Hopkins Bayview Medical Center; Baltimore, MD
Marina Maes	18-19	<ul style="list-style-type: none"> PharmD: University of Colorado PGY1: University of Michigan 	“Evaluation of acute gout prophylaxis prescribing when initiating a xanthine oxidase inhibitor therapy for gout” <i>Clin Rheumatol</i> . 2020 Aug 15. PMID: 32803572.	Assistant Professor: University of Wisconsin; Madison, WI

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Name	Year	Education	Residency Project	Current Position
Natalie Rosario	18-19	<ul style="list-style-type: none"> PharmD: University of Kentucky PGY1: Palm Beach Atlantic University 	“Hispanic patients’ perceptions of mental health disorders among a FQHC clinic population”	Assistant Professor: University of Houston; Houston, TX
Marina Snellings	18-19	<ul style="list-style-type: none"> PharmD: University of North Carolina PGY2: VAMC, Denver 	“Effectiveness of methenamine for UTI prevention in older adults with varying degrees of kidney function” <i>Ann Pharmacother.</i> 2020;54(4):356-363.	Clinical Pharmacist: University of North Carolina Medical Center; Chapel Hill, NC
Kyle Troksa	18-19	<ul style="list-style-type: none"> PharmD: University of Colorado PGY1: University of Montana 	Effectiveness of a pharmacist-led population health approach to implementing statin therapy in primary prevention patients with type 2 diabetes mellitus <i>J Am Coll Clin Pharm.</i> 2020;3:723-728.	Ambulatory Care Clinical Pharmacy Specialist: Banner Health, Northern Colorado; Boulder, CO
Ian Hatlee	17-18	<ul style="list-style-type: none"> PharmD: Lake Erie College of Osteopathic Medicine School of Pharmacy PGY1: Millcreek Community Hospital 	“Can pharmacists reduce inappropriate ED utilization?” <i>Am J Health-Syst Pharm.</i> 2020;77(14):1153–1157.	Clinical Pharmacist – Digital Medicine Ochsner Health System; New Orleans, LA
Emanuela Mooney	17-18	<ul style="list-style-type: none"> PharmD: Idaho State University PGY1: Regis University/Safeway Community 	“Comparison of clinical pharmacist management of type 2 diabetes versus usual care in a federally qualified health center” <i>Pharm Pract (Granada).</i> 2019;17(4):1618.	Clinical Pharmacist: University of Colorado Health; Colorado Springs, CO
Scott Pearson	17-18	<ul style="list-style-type: none"> PharmD: University of Wisconsin PGY1: University of Colorado Hospital 	“Assessment of chronic disease management among patients with diabetes and coronary artery disease receiving care in a cardiology clinic” <i>J Am Coll Clin Pharm</i> 2018;1:89-94.	Assistant Professor: University of Colorado; Aurora, CO
Julianna Rivich	17-18	<ul style="list-style-type: none"> PharmD: Purdue University PGY1: VAMC, Denver, CO 	“Social and Psychosocial Determinants of Health Associated with Uncontrolled Diabetes in a Federally Qualified Health Center Population” <i>Diabetes Spectrum</i> 2019;32(2):145-151.	Clinical Pharmacist: Denver Health Medical Center; Denver, CO
Elizabeth Carter	16-17	<ul style="list-style-type: none"> PharmD: NEOCOM PGY1: University of Colorado Community 	“Focused evaluation of provider usability and preferences with the aspirin guide app”	Primary Care Clinical Pharmacist: Cleveland Clinic; Strongsville, OH
Ashley Huntsberry	16-17	<ul style="list-style-type: none"> PharmD: University of Colorado PGY1: University of Nebraska Medical Center 	“Effects of chronic proton pump inhibitor use on kidney function in older adults” <i>Sr Care Pharm</i> 2019;34:325-33.	Assistant Professor: University of Colorado; Aurora, CO

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Morgan Payne	16-17	<ul style="list-style-type: none"> PharmD: University of Houston PGY1: The Ohio State University 	<p>“Changes in pharmacy students' perceptions of underserved populations after a 6-week clinical rotation in a FQHC clinic” <i>Curr Pharm Teaching Learning</i> 2018;10:1149-1153.</p>	Clinical Assistant Professor: University of Texas; Austin, TX
Natalia Uzal	16-17	<ul style="list-style-type: none"> PharmD: Shenandoah University PGY1: Lancaster General Hospital 	<p>“Monitoring of recommended metabolic laboratory parameters among Medicaid recipients on second-generation antipsychotics in federally qualified health centers” <i>Ann Pharmacother</i> 2018;52(2):160-165.</p>	Clinical Pharmacist: Community Health Centers of Lane County; Eugene, OR
Michael Kelly	15-16	<ul style="list-style-type: none"> PharmD: Virginal Commonwealth University PGY1: Virginal Commonwealth University 	<p>“BP goals and treatment in patients 60-79 (without DM or CKD) before and after new JNC8/ASH-ISH recommendations” <i>Ther Adv Cardiovasc Dis</i> 2017;11(2):63-71.</p>	Assistant Professor: Chapman University; Orange County, CA
Jessica Norman	15-16	<ul style="list-style-type: none"> PharmD: University of Wisconsin PGY1: University of Colorado Hospital 	<p>“The effect of the FDA required label changes on zolpidem prescribing practices based on gender” <i>SAGE Open Medicine</i> 2017;5:1-5.</p>	Primary Care Clinical Pharmacist: University of Wisconsin Health; Madison, WI
Alvin Oung	15-16	<ul style="list-style-type: none"> PharmD: Massachusetts College of Pharmacy PGY1: Cone Health 	<p>“Evaluation of medication adherence in a federally qualified health center” <i>Ther Adv Chronic Dis</i> 2017;8:113-120.</p>	Assistant Professor: University of Wyoming; Denver, CO
Sara Wettergreen	15-16	<ul style="list-style-type: none"> PharmD: South Dakota State University PGY1: VAMC, Houston, TX 	<p>“Comparison of Faculty Assessment and Students' Self-Assessment of Performance during Clinical Case Discussions in a Capstone Course” <i>Medical Teacher</i> 2018;40(2):193-198</p>	Assistant Professor: University of Colorado; Aurora, CO
Cy Fixen	14-15	<ul style="list-style-type: none"> PharmD. South Dakota State University PGY1: University of North Carolina 	<p>“Retrospective assessment of mean blood pressure in adults aged 60-79 before and after the publication of 2013 ASH/ISH and JNC8 hypertension guidelines” <i>Ther Adv Cardiovasc Dis</i> 2016 Apr;10(2):67-73.</p>	Clinical Pharmacy Specialist: VA Medical Center; Aurora, CO
Danielle Rhyne	14-15	<ul style="list-style-type: none"> PharmD: Wingate University PGY1: University of Colorado Hospital 	<p>“The effect of medical marijuana on the frequency of migraine headache in an adult population” <i>Pharmacotherapy</i> 2016 May;36(5):505-10.</p>	Assistant Professor: University of Colorado; Aurora, CO
Jason Zupec	14-15	<ul style="list-style-type: none"> PharmD: University of Cincinnati PGY1: Akron General Medical Center 	<p>“Evaluation of statin prescribing for secondary prevention in primary care following new guideline recommendations” <i>Ann Pharmacother</i> 2016 Jan;50(1):17-21.</p>	Assistant Professor: University of the Sciences; Philadelphia, PA
Liza Wilson	13-14	<ul style="list-style-type: none"> PharmD: University of Missouri PGY1: University of Mississippi 	<p>“Comparison of New-Onset Gout Incidence in Adults Prescribed Hydrochlorothiazide vs. Chlorthalidone” <i>J Clin Hypertens</i> 2014;16(12):864-868.</p>	Assistant Professor: University of Colorado; Aurora, CO

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Rhianna Tuchscherer	13-14	<ul style="list-style-type: none"> PharmD. South Dakota State University PGY1: Beaumont Health System 	“Simvastatin and CCBs: A Comparison of Prescribing Practices before and after the U.S. FDA Updates to the 2011 Simvastatin Dosing Standards” <i>Am J Cardiovasc Drugs</i> 2015;15:27-34.	Assistant Professor: University of Colorado; Aurora, CO
William King IV	12-13	<ul style="list-style-type: none"> PharmD: South Carolina College of Pharmacy PGY1: University of Colorado Hospital 	“Characterization of diabetes risk factors in patients prescribed chronic statin therapy” <i>Ther Adv Chronic Dis</i> 2014;4(4):206-211.	Clinical Pharmacy Specialist: New Hanover Regional Medical Center; Wilmington, NC
Matthew Kostoff	12-13	<ul style="list-style-type: none"> PharmD: University of Toledo PGY1: Akron General Medical Center 	“Description of long-term bisphosphonate therapy in postmenopausal women in a primary care setting” <i>Int J Women’s Health</i> 2014;6:423-428.	Clinical Pharmacist: NewHealth Collaborative; Akron, Ohio
Rachel Lowe	11-12	<ul style="list-style-type: none"> PharmD: University of Colorado PGY1: VAMC, Houston, TX 	“Clinical and economic description of monitoring in patients on chronic statin therapy” <i>Ther Adv Drug Safety</i> 2013;4(1):4-12.	Assistant Professor: University of Colorado; Aurora, CO
Angie Thompson	11-12	<ul style="list-style-type: none"> PharmD: University of Colorado PGY1: Exempla St. Joseph Hospital 	“Evaluation of type 2 diabetes mellitus medication management and diabetes control in patients 65-79 years of age and patients 80-89 years of age at a university affiliated health system” <i>Consult Pharm</i> 2013;28(5):296-306.	Clinical Assistant Professor: University of Colorado; Aurora, CO
Julie Alford	10-11	<ul style="list-style-type: none"> PharmD: University of Tennessee PGY1: University of Arizona, Tucson, AZ 	“Patterns of prescribing statin-based combinations that are high risk for myopathy” <i>Pharmacotherapy</i> 2012;32(7):623–630.	Senior Clinical Instructor: University of Colorado; Aurora, CO
Michele Hanselin	10-11	<ul style="list-style-type: none"> PharmD; University of Colorado PGY1: University of Colorado Hospital 	“Prescribing trends for the treatment of resistant hypertension” <i>Hypertension</i> 2011;58:1008-1013.	Associate Professor and Vice Chair: Regis University; Denver, CO
Chad Martell	09-10	<ul style="list-style-type: none"> PharmD: University of Colorado PGY1: Providence Health System, Portland, OR 	“Evaluation of thiazide diuretic use on serum potassium and glucose regulation”	Associate Professor: Regis University; Denver, CO
Jonathan White	09-10	<ul style="list-style-type: none"> PharmD: Midwestern University PGY1: St. Alphonsus Hospital, Boise, ID 	“Evaluation of fibric acid derivative use at a university affiliated health system using a medication appropriateness index”	Clinical Pharmacist – Primary Care: Froedtert/Medical College of Wisconsin; Milwaukee, WI
Sarah Anderson	08-09	<ul style="list-style-type: none"> PharmD: University of Colorado PGY1: Denver Health 	“Determining predictors of response to exenatide in type 2 diabetes” <i>J Am Pharm Assoc</i> 2012;52:466–471.	Scientific Director, Clinical Care Options; Denver, CO

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Joseph Vande Griend	06-07	<ul style="list-style-type: none"> PharmD: University of Iowa PGY1: University of Colorado Hospital 	<p>“Characterization and attainment of LDL-cholesterol goals in high risk family medicine patients” <i>J Clin Lipidology</i> 2009;3:195-200.</p>	Senior Director, Pharmacy Ambulatory Health Outcomes: University of Colorado Health; Aurora, CO
Joel Marrs	05-06	<ul style="list-style-type: none"> PharmD: Butler University PGY1: Mount Carmel Medical Center, Columbus, OH 	<p>“Dyslipidemia control in an indigent population with medication assistance compared to an insured population” <i>Pharmacotherapy</i> 2008;28(5):562–569.</p>	Ambulatory Pharmacy Clinical Coordinator: Billings Clinic; Billings, MT
Amy Miller	04-05	<ul style="list-style-type: none"> PharmD: University of Colorado PGY1: University of California at San Francisco 	<p>“Comparing a therapeutic statin conversion to a usual care statin conversion” <i>Pharmacotherapy</i> 2008;28(5):553–561.</p>	Associate Professor: Thomas Jefferson University; Philadelphia, PA
Donnie Nuzum	03-04	<ul style="list-style-type: none"> PharmD: Texas Tech University PGY1: University of Colorado Hospital 	<p>“Evaluating sample medication use in primary care: A sub-study of Applied Strategies for Improving Patient Safety” <i>Joint Comm J Qual & Patient Safety</i> 2006;32:688-692.</p>	Associate Professor: Wingate University; Charlotte, NC
Megan Bestul	02-03	<ul style="list-style-type: none"> PharmD: University of Michigan PGY1: University of Colorado Hospital 	<p>“Impact of the Women’s Health Initiative trial results on hormone replacement therapy use” <i>Pharmacotherapy</i> 2004;24(4):495-499.</p>	Clinical Specialist: William Beaumont Hospital; Royal Oak, MI
Jessica Milchak	01-02	<ul style="list-style-type: none"> PharmD: University of Iowa PGY1: VAMC Tucson, AZ 	<p>“Development of a core herbal product list and a pharmacist education program within a university-based outpatient pharmacy”</p>	Clinical Pharmacy Specialist: Kaiser Permanente; Longmont, CO
Sunny Linnebur	00-01	<ul style="list-style-type: none"> PharmD: University of Kansas PGY1: VAMC Denver, CO 	<p>“Retrospective evaluation of antihypertensive effectiveness in clinical practice”</p>	Professor: University of Colorado; Aurora, CO
Eric MacLaughlin	98-99	<ul style="list-style-type: none"> BS, Pharmacy: Albany College of Pharmacy PharmD: Medical University of South Carolina 	<p>“Selection and costs of antibiotics for patients with a reported beta-lactam allergy” <i>Arch Fam Med</i> 2000;9:722-726.</p>	Professor & Chair: Texas Tech University; Amarillo, TX
Rachana Patel	98-99	<ul style="list-style-type: none"> PharmD: Butler University PGY1: VAMC Long Beach, CA 	<p>“Prospective, randomized, double-blind, placebo-controlled evaluation of vitamin K1 versus temporary cessation of warfarin therapy in the treatment of excessive anticoagulation” <i>Pharmacotherapy</i> 2000;20(10):1159-1166.</p>	Residency Supervisor & Clinical Pharmacy Specialist in Primary Care Kaiser Permanente; Aurora, CO