PURPOSE: This PGY2 pharmacy residency programs build 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. Completion of this program is intended to create individuals that are qualified to practice as a clinical pharmacy specialist and/or become a faculty member at a School of Pharmacy or Medicine.

The University of Colorado is an integrated academic health sciences center. In addition to clinical training, residents are involved in educational experiences focused towards the training of PharmD students, PGY1 pharmacy residents, and medical residents. Residents also gain experience in medical writing and publishing, and completion of a research project of publishable/presentable quality and an administrative project are required. Previous residents have had an exceptionally strong record of publishing their research and other projects.

PRACTICE SITES/ROTATIONS:

- The first longitudinal rotation (entire 12-months) is a continuity ambulatory care clinic site is the School of Medicine’s interdisciplinary Stapleton Family Medicine clinic. The University of Colorado offers a variety of ambulatory care clinic sites enables a well-rounded experience. The continuity clinic for the Family Medicine track consists of a longitudinal experience within the Department of Family Medicine Residency program at the Stapleton (aka, AF Williams) Family Medicine clinic, which is an interprofessional clinic.
- The second longitudinal rotation (entire 12-months) is 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. This rotation occurs throughout the entire 12-months.
- Other required core rotations (3-months) are in Geriatrics, Internal Medicine, and Federally Qualified Health Center (FQHC).
- Electives are available in a wide range of experiences where University of Colorado Anschutz Medical Campus faculty practice (anticoagulation/hematology, clinical lipidology, diabetes, FQHC clinic, hepatitis C, nephrology, pediatrics, psychiatry, specialty pharmacy, solid organ transplantation, women’s health)

Opportunities to provide care to Spanish speaking patients exist at many clinics, but especially the FQHC clinics. Residents are expected to be a licensed Pharmacist in Colorado throughout the residency-training period. Participation in the Colorado Pharmacy Residency Teaching Certificate Program and A Structured Program to Guide Residents’ Experience in Research is required. Participating in the education of PharmD students is also required.

REQUIREMENTS: Doctor of Pharmacy Degree (ACPE accredited), PGY 1 residency, Pharmacist licensure in Colorado

BENEFITS: Salary is $59,151 (2020-2021 stipend). Benefits include: healthcare coverage, 23 days annual leave (including professional meetings), and a travel stipend. Resident are appointed as Clinical Instructor with the School of Pharmacy. Limited staffing (an administrative project) may be required.

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.

For questions, contact the Program Director: Joseph Saseen, PharmD (Joseph.Saseen@CUAnschutz.edu)
Other listings: http://www.ucdenver.edu/academics/colleges/pharmacy/AcademicPrograms/Residencies/Pages/Residencies.aspx

(Updated April 2020)
## PGY2 Ambulatory Care Pharmacy Residency

**University of Colorado Skaggs School of Pharmacy**

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

### Internal Medicine Clinic Core
- Internal Medicine Clinic – Anschutz Outpatient Pavilion or Lowry
  (6 half-days/week)

### FQHC Clinic Core
- Denver Health Eastside Clinic
  (4 half-days/week)

### Electives Core
- Elective clinic(s)
  (6 half-days/week)

### Longitudinal Learning Experiences, 12 months:
- **Family Medicine** – Stapleton Family Medicine Clinic
  (2 half-days/week)
- **Population Health** – UCHealth
  (2 half-days/week)

### Additional requirements:
- Colorado Pharmacy Residency Teaching Certificate Program, ASPIRE Program, Teaching PharmD Students
<table>
<thead>
<tr>
<th>Name</th>
<th>Year</th>
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<th>Residency Project</th>
<th>Current Position</th>
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</thead>
<tbody>
<tr>
<td>Vivian Cheng, PharmD</td>
<td>19-20</td>
<td>PhD: University of North Carolina</td>
<td>“Prescribing practices of migraine-specific pharmacotherapy as determinants of emergency department use for migraine headache”</td>
<td>PGY2 Ambulatory Care Resident <a href="mailto:Vivan.Cheng@CUAnschutz.edu">Vivan.Cheng@CUAnschutz.edu</a></td>
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<tr>
<td></td>
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<td>PGY1: VAMC, Denver</td>
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<tr>
<td>Joseph Nardolillo, PharmD</td>
<td>19-20</td>
<td>PhD: University of Rhode Island</td>
<td>“Describing statin use in patients with HIV”</td>
<td>PGY2 Ambulatory Care Resident <a href="mailto:Joseph.Nardolillo@CUAnschutz.edu">Joseph.Nardolillo@CUAnschutz.edu</a></td>
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<tr>
<td></td>
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<td>PGY1: Indian Health Service Albuquerque</td>
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<tr>
<td>Jennifer Tunoa, PharmD</td>
<td>19-20</td>
<td>PhD: University of Colorado</td>
<td>“Comparing lipid monitoring patterns in patients newly started on statin therapy before and after publication of the 2018 multi-society management of blood cholesterol guideline”</td>
<td>PGY2 Ambulatory Care Resident <a href="mailto:Jennifer.Tunoa@CUAnschutz.edu">Jennifer.Tunoa@CUAnschutz.edu</a></td>
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<tr>
<td></td>
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<td>PGY1: VAMC, Seattle, WA</td>
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<tr>
<td>Navya Varshney, PharmD</td>
<td>19-20</td>
<td>PhD: University of Michigan</td>
<td>“Sodium-glucose Cotransporter-2 inhibitors and risk for urinary tract infections in the elderly”</td>
<td>PGY2 Ambulatory Care Resident <a href="mailto:Navya.Varshney@CUAnschutz.edu">Navya.Varshney@CUAnschutz.edu</a></td>
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<tr>
<td></td>
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<td>PGY1: University of California San Francisco</td>
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<tr>
<td>Marina Maes, PharmD</td>
<td>18-19</td>
<td>PhD: University of Colorado</td>
<td>“Evaluation of acute gout prophylaxis prescribing when initiating a xanthine oxidase inhibitor therapy for gout”</td>
<td>Assistant Professor: University of Wisconsin; Madison, WI</td>
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<td>PGY1: University of Michigan</td>
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<tr>
<td>Natalie Rosario, PharmD</td>
<td>18-19</td>
<td>PhD: University of Kentucky</td>
<td>&quot;Hispanic patients’ perceptions of mental health disorders among a FQHC clinic population”</td>
<td>Assistant Professor: Texas A&amp;M University; Corpus Christi, TX</td>
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<td>PGY1: Palm Beach Atlantic University</td>
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<tr>
<td>Marina Snellings, PharmD</td>
<td>18-19</td>
<td>PhD: University of North Carolina</td>
<td>“Effectiveness of methenamine for UTI prevention in older adults with varying degrees of kidney function”</td>
<td>Clinical Pharmacist: University of North Carolina Medical Center; Chapel Hill, NC</td>
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<td></td>
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<td>PGY1: University of Montana</td>
<td><a href="https://doi.org/10.1002/jac5.1222">https://doi.org/10.1002/jac5.1222</a></td>
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<tr>
<td>Ian Hatlee, PharmD</td>
<td>17-18</td>
<td>PharmD: Lake Erie College of Osteopathic Medicine School of Pharmacy</td>
<td>“Can pharmacists reduce inappropriate ED utilization?” In press, Am J Health-Syst Pharm</td>
<td>Clinical Pharmacist – Digital Medicine Ochsner Health System; New Orleans, LA</td>
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<td>PGY1: Millcreek Community Hospital</td>
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<td>PGY1: Regis University/Safeway Community</td>
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<tr>
<td>Scott Pearson, PharmD</td>
<td>17-18</td>
<td>PharmD: University of Wisconsin</td>
<td>“Assessment of chronic disease management among patients with diabetes and coronary artery disease receiving care in a cardiology clinic” J Am Coll Clin Pharm 2018;1:89-94.</td>
<td>Assistant Professor: University of Colorado; Aurora, CO</td>
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<tr>
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<td>PGY1: University of Colorado Hospital</td>
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<td>PGY1: VAMC, Denver, CO</td>
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<tr>
<td>Elizabeth Carter, PharmD</td>
<td>16-17</td>
<td>PharmD: NEOCOM</td>
<td>“Focused evaluation of provider usability and preferences with the aspirin guide app”</td>
<td>Primary Care Clinical Pharmacist: Cleveland Clinic; Strongsville, OH</td>
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<td>PGY1: University of Colorado Community</td>
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<tr>
<td>Ashley Huntsberry, PharmD</td>
<td>16-17</td>
<td>PharmD: University of Colorado</td>
<td>“Effects of chronic proton pump inhibitor use on kidney function in older adults” Sr Care Pharm 2019;34:325-33.</td>
<td>Assistant Professor: University of Colorado; Aurora, CO</td>
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<tr>
<td></td>
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<td>PGY1: University of Nebraska Medical Center</td>
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<tr>
<td>Morgan Payne, PharmD</td>
<td>16-17</td>
<td>PharmD: University of Houston</td>
<td>“Changes in pharmacy students’ perceptions of underserved populations after a 6-week clinical rotation in a FQHC clinic” Curr Pharm Teaching Learning 2018;10:1149-1153.</td>
<td>Assistant Professor: University of Colorado; Ft. Collins, CO</td>
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<td>PGY1: The Ohio State University</td>
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</thead>
</table>
| Natalia Uzal, PharmD  | 16-17   | • PharmD: Shenandoah University                      | “Monitoring of recommended metabolic laboratory parameters among Medicaid recipients on second-generation antipsychotics in federally qualified health centers”  
  *Ann Pharmacother* 2018;52(2):160-165. | Clinical Pharmacist:  
  Community Health Centers of Lane County;  
  Eugene, OR |
| Michael Kelly, PharmD  | 15-16   | • PharmD: Virginal Commonwealth University           | “BP goals and treatment in patients 60-79 (without DM or CKD) before and after new JNC8/ASH-ISH recommendations”  
  *Ther Adv Cardiovasc Dis* 2017;11(2):63-71. | Assistant Professor:  
  Chapman University;  
  Orange County, CA |
| Jessica Norman, PharmD | 15-16   | • PharmD: University of Wisconsin                    | “The effect of the FDA required label changes on zolpidem prescribing practices based on gender”  
  *SAGE Open Medicine* 2017;5:1-5. | Primary Care Clinical Pharmacist:  
  University of Wisconsin Health;  
  Madison, WI |
| Alvin Oung, PharmD     | 15-16   | • PharmD: Massachusetts College of Pharmacy         | “Evaluation of medication adherence in a federally qualified health center”  
  *Ther Adv Chronic Dis* 2017;8:113-120. | Assistant Professor:  
  University of Wyoming;  
  Denver, CO |
| Sara Wettergreen, PharmD| 15-16   | • PharmD: South Dakota State University              | “Comparison of Faculty Assessment and Students’ Self-Assessment of Performance during Clinical Case Discussions in a Capstone Course”  
  *Medical Teacher* 2018;40(2):193-198 | Assistant Professor:  
  University of Colorado;  
  Aurora, CO |
| Cy Fixen, PharmD       | 14-15   | • PharmD: South Dakota State University              | “Retrospective assessment of mean blood pressure in adults aged 60-79 before and after the publication of 2013 ASH/ISH and JNC8 hypertension guidelines”  
  VAMC;  
  Denver, CO |
| Danielle Fixen, PharmD | 14-15   | • PharmD: Wingate University                         | “The effect of medical marijuana on the frequency of migraine headache in an adult population”  
  *Pharmacotherapy* 2016 May;36(5):505-10. | Assistant Professor:  
  University of Colorado;  
  Aurora, CO |
| Jason Zupec, PharmD    | 14-15   | • PharmD: University of Cincinnati                  | “Evaluation of statin prescribing for secondary prevention in primary care following new guideline recommendations”  
  *Ann Pharmacother* 2016 Jan;50(1):17-21. | Assistant Professor:  
  University of the Sciences;  
  Philadelphia, PA |
| Liza Wilson, PharmD    | 13-14   | • PharmD: University of Missouri                    | “Comparison of New-Onset Gout Incidence in Adults Prescribed Hydrochlorothiazide vs. Chlorothalidone”  
  *J Clin Hypertens* 2014;16(12):864-868. | Assistant Professor:  
  University of Colorado;  
  Aurora, CO |
| Rhianna Fink, PharmD   | 13-14   | • PharmD: South Dakota State University              | “Simvastatin and CCBs: A Comparison of Prescribing Practices before and after the U.S. FDA Updates to the 2011 Simvastatin Dosing Standards”  
  *Am J Cardiovasc Drugs* 2015;15:27-34. | Assistant Professor:  
  University of Colorado;  
  Aurora, CO |
| William King IV, PharmD| 12-13   | • PharmD: South Carolina College of Pharmacy        | “Characterization of diabetes risk factors in patients prescribed chronic statin therapy”  
  *Ther Adv Chronic Dis* 2014;4(4):206-211. | Clinical Pharmacy Specialist:  
  New Hanover Regional Medical Center;  
  Wilmington, NC |
| Matthew Kostoff, PharmD| 12-13   | • PharmD: University of Toledo                      | “Description of long-term bisphosphonate therapy in postmenopausal women in a primary care setting”  
  *Int J Women’s Health* 2014;6:423-428. | Clinical Pharmacist:  
  NewHealth Collaborative,  
  Akron, Ohio |
| Rachel Lowe, PharmD    | 11-12   | • PharmD: University of Colorado                    | “Clinical and economic description of monitoring in patients on chronic statin therapy”  
  Kaiser Permanente;  
  Sacramento, CA |
| Angie Thompson, PharmD | 11-12   | • PharmD: University of Colorado                    | “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”  
  *Consult Pharm* 2013;28(5):296-306. | Clinical Assistant Professor:  
  University of Colorado;  
  Aurora, CO |

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</table>
| Julie Alford, PharmD | 10-11 | - PharmD: University of Tennessee  
- PGY1: University of Arizona, Tucson, AZ | “Patterns of prescribing statin-based combinations that are high risk for myopathy”  
| Michele Hanselin, PharmD | 10-11 | - PharmD: University of Colorado  
- PGY1: University of Colorado Hospital | “Prescribing trends for the treatment of resistant hypertension”  
*Hypertension* 2011;58:1008-1013. | Associate Professor: Regis University; Denver, CO |
| Chad Martell, PharmD | 09-10 | - 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, PharmD | 09-10 | - PharmD: Midwestern University  
- PGY1: St. Alphonsus Hospital, Boise, ID | “Evaluation of fibrin diuretic 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, PharmD | 08-09 | - PharmD: University of Colorado  
- PGY1: Denver Health | “Determining predictors of response to exenatide in type 2 diabetes”  
*J Am Pharm Assoc* 2012;52:466–471. | Associate Professor: University of Colorado; *Aurora, CO |
| Joseph Vande Griend, PharmD | 06-07 | - PharmD: University of Iowa  
- PGY1: University of Colorado Hospital | “Characterization and attainment of LDL-cholesterol goals in high risk family medicine patients”  
| Joel Marrs, PharmD | 05-06 | - PharmD: Butler University  
- PGY1: Mount Carmel Medical Center, Columbus, OH | “Dyslipidemia control in an indigent population with medication assistance compared to an insured population”  
*Pharmacotherapy* 2008;28(5):562–569. | Associate Professor: University of Colorado; *Aurora, CO |
| Amy Egras, PharmD | 04-05 | - PharmD: University of Colorado  
- PGY1: University of California at San Francisco | “Comparing a therapeutic statin conversion to a usual care statin conversion”  
*Pharmacotherapy* 2008;28(5):553–561. | Associate Professor: Thomas Jefferson University; Philadelphia, PA |
| Donnie Nuzum, PharmD | 03-04 | - PharmD: Texas Tech University  
*Joint Comm J Qual & Patient Safety* 2006;32:688-692. | Associate Professor: Wingate University; Charlotte, NC |
| Megan Bestul, PharmD | 02-03 | - PharmD: University of Michigan  
- PGY1: University of Colorado Hospital | “Impact of the Women’s Health Initiative trial results on hormone replacement therapy use”  
*Pharmacotherapy* 2004;24(4):495-499. | Clinical Specialist: William Beaumont Hospital; Royal Oak, MI |
| Jessica Milchak, PharmD | 01-02 | - PharmD: University of Iowa  
- PGY1: VAMC Tucson, AZ | “Development of a core herbal product list and a pharmacist education program within a university-based outpatient pharmacy” | Clinical Pharmacy Specialist: Kaiser Permanente; Longmont, CO |
| Sunny Linnebur, PharmD | 00-01 | - PharmD: University of Kansas  
- PGY1: VAMC Denver, CO | “Retrospective evaluation of antihypertensive effectiveness in clinical practice” | Professor: University of Colorado; *Aurora, CO |
| Eric MacLaughlin, PharmD | 98-99 | - BS, Pharmacy: Albany College of Pharmacy  
- PharmD: Medical University of South Carolina | “Selection and costs of antibiotics for patients with a reported beta-lactam allergy”  
*Arch Fam Med* 2000;9:722-726. | Professor & Chair: Texas Tech University; Amarillo, TX |
| Rachana Patel, PharmD | 98-99 | - PharmD: Butler University  
- PGY1: VAMC Long Beach, CA | “Prospective, randomized, double-blind, placebo-controlled evaluation of vitamin K1 versus temporary cessation of warfarin therapy in the treatment of excessive anticoagulation”  
*Pharmacotherapy* 2000;20(10):1159-1166. | Residency Supervisor & Clinical Pharmacy Specialist in Primary Care: Kaiser Permanente; Aurora, CO |

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