



## PHARMACY RESIDENCY OPPORTUNITIES



## EXPERIENCE

some of the most advanced  
pharmacy practice models in  
the United States

THE UNIVERSITY OF NEW MEXICO HEALTH SCIENCES CENTER

PGY-1 Pharmacy Practice Residency  
Specialized PGY-2 Residencies  
in Ambulatory Care, Emergency  
Medicine, Infectious Diseases,  
Informatics, Oncology and Pediatrics  
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# PHARMACY RESIDENCY OPPORTUNITIES



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## The UNM Pharmacy Residency Experience

Post-graduate pharmacy residency training at The University of New Mexico (UNM) Health Sciences Center cultivates future leaders in the pharmaceutical care profession through experiences that further advance the resident’s knowledge, confidence, leadership skills and understanding of how a healthcare system functions.

Through a close and enduring collaboration between the UNM College of Pharmacy and the UNM Hospitals Department of Pharmacy, pharmacy residency experiences at UNM are unique in comparison to most other programs.

We provide our residents the opportunity to interact with one of the most diverse patient populations in the nation while practicing within an award-winning interdisciplinary healthcare setting.

Additionally, UNM pharmacy residents have direct access to the knowledge and experience of nationally and internationally recognized practitioners - all within state-of-the-art facilities, situated in one of the most geographically beautiful and culturally diverse regions of the nation.



PGY-1 and PGY-2 Pharmacy Residencies at the University of New Mexico Health Sciences Center are accredited through the American Society of Health System Pharmacists (ASHP)





## Advancing Pharmacy Practice in New Mexico and Beyond

For nearly three quarters of a century, UNM Health Sciences faculty in partnership with New Mexico’s pharmacy profession have continually forged new roles for pharmacists and new models of care.

New Mexico is the first state to recognize and license advanced practice pharmacists (pharmacist clinicians) who provide direct care to patients. Pharmacist clinicians conduct medication reviews and physical assessments, order lab and diagnostic tests, and prescribe medication therapies.

New Mexico’s pharmacists can prescribe, dispense and administer a variety of Board-approved medications such as childhood and adult vaccinations, hormonal and emergency contraceptives, naloxone, smoking cessation agents, and travel medicines.

As part of an academic health sciences center, interprofessional educational experiences flourish at UNM, providing our residents with vital training alongside medical, nursing, and other health professionals and preparing them to take their place as a critical part of a comprehensive health care team.

In 2020 New Mexico added pay parity legislation to the already progressive pharmacy practice laws. Now state insurance plans (including Medicaid and private insurance) are required to compensate pharmacist clinician or pharmacist with prescriptive authority at an equivalent rate to other providers.

## Life in the Land of Enchantment

Albuquerque, the state’s largest city, basks in 310 days of sunshine, combined with a mild, dry climate and four distinct seasons. Very low humidity means that even when temperatures rise, summer is always comfortable, and our sunny winters are comparatively mild.

The University of New Mexico campus comprises a small “city within a city” nestled at the base of the majestic sandia mountains.

Daily walks throughout the year provide you with mini snapshots of New Mexican beauty - electric colors

of blooming cacti and wildflowers in the spring, roadrunners darting to and fro in the summer, hot air balloons overhead in the autumn, luminarias lighting your path in the winter - all set against the backdrop of award-winning southwest architecture and beneath the canopy of awe inspiring big blue skies.

From the breathtaking views to resilient and diverse people to delicious chile-infused cuisine, New Mexico provides opportunities for constant amazement within a place and culture like no other.

The state provides endless natural sources of wonder and adventure spanning the dramatic northern mountains to the stark beauty of open spaces like our eastern high plains and southern deserts.

Our special blend of cultures - Native American, Hispanic, Western and more - come together to create a wonderful and vibrant mix of art, music and food found nowhere else on earth.





## Exceptional Training. Superior Care.

### UNM HOSPITAL

As one of a select few U.S. institutions that serve simultaneously as an academic medical center, level I trauma center and county hospital, and also the regional referral center for many specialties, UNMH offers a training site with a large diversity of clinical experiences while caring for underserved populations.

UNMH, a 619-bed acute tertiary care facility providing state-of-the-art patient care, provides a comprehensive stroke and neuro trauma service, a pediatric cardiothoracic surgery program, and adult and pediatric comprehensive psychiatry services.

The hospital has 72 adult ICU beds (split between medical ICU, neurosurgical ICU, and trauma surgical ICU) and 90 emergency room beds, which annually manage more than 93,000 emergency visits, 7,000 trauma cases, and 18,000 surgeries.

### UNM CHILDREN'S HOSPITAL

UNM Children's Hospital is the state's largest pediatric hospital providing comprehensive services including New Mexico's only pediatric level 1 trauma center and level IV NICU. The children's

hospital also has a pediatric ICU and a pediatric rehabilitation facility.

### UNM COMPREHENSIVE CANCER CENTER

An NCI-designated cancer center, the UNM Comprehensive Cancer Center annually manages more than 10,000 patient visits, 13,900 prescriptions, 15,800 radiation treatments and 38,900 infusions. In 2016, the cancer center started an autologous BMT program with the hope for expansion to others.

### OUTPATIENT LEARNING OPPORTUNITIES

With nearly 500,000 outpatient visits completed in 90 outpatient clinics annually, the University of New Mexico Health Sciences Center (UNM HSC) provides ample opportunities for pharmacists to have a significant impact on the lives of New Mexicans.

One of the many outstanding examples of a medical home in which pharmacists serve as healthcare providers is in the UNM Truman Health Services Clinic, serving the medical needs of over 1,200 people living with or at risk of HIV or Hepatitis C. The Truman clinic also offers one of the

few opportunities nationwide to train in an interdisciplinary setting providing care to transgender individuals.

Due to New Mexico's large geographic area and relatively few specialists outside of Albuquerque, Project ECHO® (Extension for Community Healthcare Outcomes) was originally designed for the treatment of Hepatitis C across vast distances. The ECHO™ model utilizes a "hub and spoke model," teleconferencing subject matter experts (often times including UNM residency preceptors) and local community providers. This provider-to-provider teleECHO™ model disseminates knowledge and maximizes the capacity of the healthcare system. Project ECHO currently hosts 220 hubs for more than 100 diseases and conditions in 31 countries.



## History of Pharmacy Residency Programs at UNM

The University of New Mexico Health Sciences Center established its first pharmacy residency in 2000 - the PGY2 Residency in Infectious Disease.

Since that time, we have continued to expand post graduate pharmacy residency opportunities with the PGY1 program in 2003, and additional PGY2 specialized programs in ambulatory care (2012), emergency medicine (2015), oncology (2016) and beginning in 2019, pediatrics (2019) and Informatics (2020).

Over 100 PGY1s and PGY2 pharmacist have successfully completed residencies at UNMH. Roughly 70% of PGY1 graduates have pursued additional trainer through either board certification and/or PGY2 residencies.

Graduates from UNM residency programs have gone on to careers in a multitude of specialties including academia, clinical pharmacy, pharmacy informatics and industry and have published hundreds of peer reviewed articles.

## Benefits of and Requirements for Admission

### BENEFITS

- Competitive salary (Please see our listings in the ASHP residency directory for the most recent salary)
- Vacation: 10 days
- Professional Leave: up to 10 working days
- Holidays: up to 9 days
- Health Insurance
- Attend two conferences including ASHP Midyear Clinical Meeting

### ADMISSION REQUIREMENTS

- Doctor of Pharmacy degree from an accredited school or college of pharmacy required prior to beginning of residency
- Be eligible for New Mexico pharmacist licensure
- **Additional PGY2 Requirement:** completion of a PGY1 residency

### APPLICATION INFORMATION

- Apply online using ASHP PhORCAS:
  - Letter of intent stating interests and goals
  - Curriculum vitae
  - College of pharmacy transcripts
  - Three recommendations from healthcare professionals who can attest to your practice abilities
- An on-site interview is required
- **Application deadline is early January annually (please see our listings in the ASHP residency directory exact deadline)**





# Post Graduate Year 1 PGY1 Pharmacy Residency Program

## Recent Resident Bibliography

**Eckstein MA**, Newsome CC, Borrego ME, Burnett A, Wittstrom K, Conklin JR. A cross-sectional survey evaluating transgender-related care education in United States pharmacy school curricula. *Curr Pharm Teach Learn.* 2019;11(8):782-792. doi:10.1016/j.cptl.2019.04.005

**Hadlock GC**, Moler KA, Pineda LJ, Jakeman B. Risk factors for potentially preventable hospital readmissions among persons living with human immunodeficiency virus infection [published online ahead of print, 2020 Jan 2]. *AIDS Care.* 2020;1-5. doi:10.1080/09540121.2019.1709613

**Patel A**, Dodd MA, D'Angio R, et al. Impact of discharge medication bedside delivery service on hospital reutilization. *Am J Health Syst Pharm.* 2019;76(23):1951-1957. doi:10.1093/ajhp/zxz197

**Cabanilla MG**, Sarangarm P. Development of a leadership certificate program for postgraduate year 1 pharmacy residents at an academic medical center. *Am J Health Syst Pharm.* 2018;75(19):1446-1447. doi:10.2146/ajhp180217

## Contact Information

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“UNM Hospital and College of Pharmacy allowed me the opportunity to have a wide array of experiences. I was able to practice in 8 different clinical areas of the hospital, teach a section of therapeutics to students, mentor students on rotation, and conduct my own research. UNM has some of the highest quality and smartest clinical pharmacists anywhere, and they are highly respected not only within the hospital but in the US healthcare community. It is their reputation which opened doors for me to function as an equal member of the medical teams. They will put in extraordinary effort to make you feel at home, no matter where you’re coming from.”

**Joe Llewellyn**, PharmD  
PGY-1 Resident 2013-2014  
Senior Director Clinical Research  
Gilead Sciences

The PGY1 residency program is designed to provide the resident with training and experience in various areas of clinical practice, research, and teaching. The program maintains a close association with the University of New Mexico College of Pharmacy and thus is able to provide a unique one-year residency that can be tailored to meet the interests of each resident.

## Residency Rotations

a combination of longitudinal and/or 4 week experiences

### Required 4-week Rotations

- Orientation
- Internal Medicine
- Critical Care (ICU or Emergency Medicine)
- Pediatrics
- Internal Medicine Precepting

### Required Longitudinal Rotations

- Specialty longitudinal experience
- Research (research project with a publication-ready manuscript)\*
- Pharmacy Administration\*

\*Longitudinal in addition to a 4 week rotation

### Possible Elective Rotations

- Academia
- Ambulatory Care (several options)
- Anticoagulation
- Cardiology
- Geriatrics
- Hematology/Oncology
- Hepatology/ECHO
- Infectious Disease
- Informatics
- Nephrology
- Renal Transplant
- Toxicology

### Additional Residency Experiences

- Staffing 1 weekend/month & 1 evening/week
- Didactic Lectures at the College of Pharmacy
- Teaching Certificate Program
- ACLS/BLS Certification
- Statistics for Pharmacy Residents
- Physical Assessment Certificate Program (*optional - for pharmacist clinician licensure*)
- Leadership Certificate Program





# Ambulatory Care PGY2 Pharmacy Residency Program

## Recent Resident Bibliography

**Gallegos Aragon K**, Elmaoued AA, **Pham NT**, Conklin JR, Ray GM. Long-Acting Basal Insulins: A Review of the More Recently Approved Agents. *Cardiol Rev*. 2019;27(5):260-266. doi:10.1097/CRD.0000000000000266

Bass M, **Gonzalez LJ**, Colip L, Sharon N, Conklin J. Rethinking gender: The nonbinary approach. *Am J Health Syst Pharm*. 2018;75(22):1821-1823. doi:10.2146/ajhp180236

**Newsome C**, Mallawaarachchi I, Conklin J, Ray G. Health literacy of student pharmacists. *Curr Pharm Teach Learn*. 2018;10(3):340-343. doi:10.1016/j.cptl.2017.11.005

**Newsome C**, Mallawaarachchi I, Garcia J, Ray G. Association between health literacy and diabetes control in a pharmacist-run disease state management clinic. *Khurana V, ed. Cogent Medicine*. 2016;3(1):1269628. doi:10.1080/2331205X.2016.1269628

## Contact Information

**Gretchen M. Ray**, PharmD, PhC, BCACP, CDCES Associate Professor, Dept of Pharmacy Practice & Administrative Sciences

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“ I could not have imagined a better residency experience than what I had at UNMH. Taking the residency program at UNMH was the first time I left my home state. The preceptors, program director, and comradery among my coresidents made me feel like I never left home. The pharmacy department is highly valued within UNMH. They have multiple preceptors that are internationally recognized as experts in their field, yet they were still able to mentor and coach me at the level of my knowledge. I was impressed with the advanced scope of practice of my preceptors. These pharmacists were able to do so much and were highly regarded and respected by other providers for their knowledge.”

Cheyenne Newsome, PharmD, PhC  
PGY1-1 Resident 2014-15, PGY-2 Amb Care Resident '15-16  
Clinical Assistant Professor, Pharmacotherapy  
Washington State University, Spokane, WA

A collaboration between the University of New Mexico College of Pharmacy and our colleagues across the UNM Health Sciences Center results in an extraordinary 12-month ambulatory care experience. Our residents train with certified pharmacist clinicians who practice with prescriptive authority. This is one of the most advanced pharmacy practice models in the country, in which the resident earns patient contact hours toward a NM pharmacist clinician license.

## Required 4-week Rotations

- 2 months with RPD: diabetes and CV risk reduction
- 2 months primary care in HIV & transgender health
- 1 month research

## Required Longitudinal Rotations

- Diabetes/CV Risk Reduction Clinic, one ½-day per week
- Participation in Endocrinology teleECHO™ Clinic
- Teaching/Academia Experience
- Administration
- Research

## Possible Elective Rotations

- Academia
- Pain management
- Nephrology
- Heart Failure
- Anticoagulation
- Geriatrics
- Pediatric Pulmonary
- Transplant Clinic
- Outpatient Infectious Disease
- Neurology
- Required rotations can be repeated as electives
- Opportunity for new elective development

## Additional Residency Experiences

- Didactic Lectures
- Patient Care Lab Instruction
- Teaching Certificate Program
- Experiential Education





**UNM**  
COLLEGE  
OF PHARMACY

Truman Health Services

# Ambulatory Care PGY2 Pharmacy Residency Program

## Recent Resident Bibliography

**Newsome C**, Chen LW, Conklin J. Addition of Care for Transgender-Related Patient Care into Doctorate of Pharmacy Curriculum: Implementation and Preliminary Evaluation. *Pharmacy (Basel)*. 2018;6(4):107. Published 2018 Sep 29. doi:10.3390/pharmacy6040107

**Ryan KL**, Jakeman B, Conklin J, Pineda LJ, Deming P, Mercier RC. Treatment of patients with HIV or hepatitis C by pharmacist clinicians in a patient-centered medical home. *Am J Health Syst Pharm*. 2019;76(11):821-828. doi:10.1093/ajhp/zxz059

**Aragon KG**, Conklin J, Lenell A, Rhodes LA, Marciniak MW. Examining community-based pharmacist perceptions on the care of transgender patients. *J Am Pharm Assoc* (2003). 2019;59(4S):S62-S66. doi:10.1016/j.japh.2019.03.014

**Eckstein MA**, Newsome CC, Borrego ME, Burnett A, Wittstrom K, Conklin JR. A cross-sectional survey evaluating transgender-related care education in United States pharmacy school curricula. *Curr Pharm Teach Learn*. 2019;11(8):782-792. doi:10.1016/j.cptl.2019.04.005

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“ It is one of my strong professional values to strive towards creating a safe space where patients, students, faculty, staff, and practitioners can bring their whole identities to engage fully in the healthcare system. The Truman Health Services Clinic was the perfect place to pursue my PGY-2 residency because their mission aligns so closely with this goal. One of the major factors that drew me to New Mexico was the passion of the preceptors here and I’m so fortunate to be able to learn from them in a clinic that values a team-based approach to care of the whole patient.”

**Mark Cinquegrani**, PharmD  
PGY-1 Resident ‘19-20  
PGY-2 Amb Care Resident ‘20-21

A collaboration between the University of New Mexico College of Pharmacy and Truman Health Services clinic results in a longitudinal, patient-centered 12-month ambulatory care experience. Our residents train with certified pharmacist clinicians who practice with prescriptive authority to treat patients living with HIV, HCV, gender dysphoria, and other disease states. This is one of the most advanced pharmacy practice models in the country, in which the resident earns patient contact hours toward a NM pharmacist clinician license.

## Required 12-month Longitudinal Rotations

- Primary care in HIV
- Gender Dysphoria
- Hepatitis C Co infection clinic
- Transition in Care Clinic
- Young Adult clinic
- HIV Pregnancy clinic
- Pediatric HIV
- Participation in HIV and Endocrinology teleECHO Clinic
- Teaching/Academia
- Administration
- Research

## Possible Elective Rotations

- Inpatient Infectious Disease
- Academia
- Pain
- Nephrology
- Heart Failure
- Anticoagulation
- Geriatrics
- Neurology

## Additional Residency Experiences

- Volunteer faculty appointment at the UNM College of Pharmacy for didactic lectures and student precepting
- Patient Care Lab Instruction
- Teaching Certificate





# Emergency Medicine PGY2 Pharmacy Residency Program

## Recent Resident Bibliography

**Tencza E**, Harrell AJ, Sarangarm P. Effect of tranexamic acid administration time on blood product use in urban trauma patients. *Am J Health Syst Pharm.* 2020;77(Supplement\_2):S46-S53. doi:10.1093/ajhp/zxaa074

**Fletcher M**, Rankin S, Sarangarm P. The Effect of Pharmacy-Driven Education on the Amount of Appropriately Administered Tetanus Vaccines in the Emergency Department. *Hosp Pharm.* 2019;54(1):45-50. doi:10.1177/0018578718769239

**Astrup G**, Sarangarm P, Burnett A. Fixed dose 4-factor prothrombin complex concentrate for the emergent reversal of warfarin: a retrospective analysis. *J Thromb Thrombolysis.* 2018;45(2):300-305. doi:10.1007/s11239-017-1586-x

**DeWitt KM**, Weiss SJ, Rankin S, Ernst A, Sarangarm P. Impact of an emergency medicine pharmacist on antibiotic dosing adjustment. *Am J Emerg Med.* 2016;34(6):980-984. doi:10.1016/j.ajem.2016.02.004

## Contact Information

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“The residency program at UNMH provides a dynamic learning experience with an ideal balance of mentorship and challenging opportunities to advance professional growth. I was fully prepared to enter my career as an Emergency Medicine Pharmacist and am thankful to have trained with such knowledgeable, engaging colleagues.”

Kyle DeWitt, PharmD, BCPS  
PGY-2 Resident 2014 -2015  
Pharmacist Specialist, Emergency medicine  
Residency Program Director, Emergency Medicine  
University of Vermont Medical Center, Burlington, VT

**T**rain in a fast-paced immersive environment, the Emergency Medicine resident at the University of New Mexico Hospital cutting edge clinical practice in the region’s only academic Level-1 Trauma Center. The strong support of pharmacy services in the ER by the Department of Emergency Medicine, in addition to the close association the program maintains with the University of New Mexico College of Pharmacy, affords the resident the opportunity to train in a unique multidisciplinary environment.

**Residency Rotations** a combination of longitudinal and/or 4 week experiences

### Required 4-week Rotations

- Orientation
- Emergency Medicine
- Emergency Medicine Precepting
- Medical/Cardiac ICU
- Pediatric ICU
- Trauma/Surgical ICU or ICU Swing
- Stewardship (Antimicrobial/Antithrombosis)
- Toxicology

### Possible Elective Rotations

- Academia
- Cardiology
- Emergency Medicine Precepting II
- Hematology/Oncology
- Infectious Disease Consult
- Nephrology
- Neuroscience ICU

### Required Longitudinal Rotations

- Pediatric Emergency Medicine
- Emergency Response/Disaster Management
- Research (research project with a publication-ready manuscript)
- Teaching
- Administration

### Additional Residency Experiences

- Staffing every 3 weeks in a critical care area
- Didactic Lectures at the College of Pharmacy
- Teaching Certificate Program (optional)
- ACLS/BLS/PALS Certification
- Ride along experiences with ambulance services, including fixed wing, and EMS consortium
- Statistics for Pharmacy Residents





# Infectious Diseases PGY2 Pharmacy Residency Program

Interact with some of the most diverse patient populations in the nation while training with Infectious Disease providers in an interdisciplinary health care setting. UNMH provides acute medical care for patients from New Mexico, Arizona, Colorado, and Texas. New Mexico is endemic for unique pathogens, including Hanta virus, plague, and Coccidioidomycoses. The Infectious Disease Residency at University of New Mexico Hospital is tailored to give a residents exposure to all aspects of the management of patients with infectious diseases.

## Residency Rotations

a combination of longitudinal and/or 4 week experiences

### Required 4-week Rotations

- Orientation
- Adult Infectious Diseases
- Pediatric Infectious Diseases
- Antimicrobial Stewardship
- Infectious Diseases Outpatient Clinics

### Required Longitudinal Rotations

- Research (research project with a publication-ready manuscript)\*
- Teaching
- HIV Clinic or OPAT Clinic (1/2 day per week)
- Clinical Microbiology

\*Longitudinal in addition to a 4 week rotation

### Possible Elective Rotations

- Hepatology
- Critical Care Medicine
- Emergency Medicine
- Hematology/Oncology
- Internal Medicine

### Additional Residency Experiences

- Staffing one weekend every three weeks
- Volunteer faculty appointment at the UNM College of Pharmacy for didactic lectures and student precepting
- Didactic Lectures at the College of Pharmacy
- Physical Assessment Certificate Program (for pharmacist clinician licensure)

## Recent Resident Bibliography

**Custodio M**, Sanchez D, Anderson B, Ryan K, Walraven, C, Mercier R- C. Emergence of resistance in *Klebsiella aerogenes* to piperacillin-tazobactam and ceftriaxone. *Antimicrob Agents Chemother.* 2020. In process.

**Ryan KL**, Jakeman B, Conklin J, Pineda LJ, Deming P, Mercier RC. Treatment of patients with HIV or hepatitis C by pharmacist clinicians in a patient-centered medical home. *Am J Health Syst Pharm.* 2019;76(11):821-828. doi:10.1093/ajhp/zxz059

**Dilworth TJ**, Klein PW, Mercier RC, Borrego ME, Jakeman B, Pinkerton SD. Clinical and Economic Effects of a Pharmacist-Administered Antiretroviral Therapy Adherence Clinic for Patients Living with HIV. *J Manag Care Spec Pharm.* 2018;24 (2):165-172.

**Dionne B**, Brett M, Culbreath K, Mercier RC. Potential Ceiling Effect of Healthcare Worker Influenza Vaccination on the Incidence of Nosocomial Influenza Infection. *Infect Control Hosp Epidemiol.* 2016 Apr 21:1-5.

**Pineda LJ**, Mercier RC, Dilworth T, Iandiorio M, Rankin S, Jakeman B. Evaluating community pharmacists' HIV testing knowledge: A cross-sectional survey. *J Am Pharm Assoc.* 2015;55(4):424-8.

## Contact Information

**Carla Walraven**, MS, PharmD, BCPID  
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“I am grateful for the long lasting bonds I formed with my colleagues, the guidance I received from my mentors, and the supportive learning environment that UNMH fostered— one that allowed me to pursue my own unique journey. Now, as a faculty member, I cannot think of a better way to inspire future generations of pharmacy students. My mission is clear— to reflect the high-quality education I received at UNMH by providing valuable experiences that prepare students for the future of medicine.”

Gerardo P. Ramos-Otero PharmD  
PGY2 Resident 2019-2020  
Clinical Assistant Professor  
Department of Pharmacy Practice  
Nova Southeastern University, Puerto Rico Campus





# Informatics PGY2 Pharmacy Residency Program

## Informatics Pharmacy Residents Will

- Utilize a Cerner-based electronic medical record to enhance the ordering experience for providers, maintain pharmacy formulary, and streamline pharmacy workflow.
- Provide suggestions and build solutions to pharmacist clinical workflow and documentation issues.
- Participate in hospital-wide initiatives that may include, but is not limited to, enhancements to pump utilization, barcode medication administration, communication channels, and packaging resources.
- Report on various processes to improve workflow, dispensing and charging of medications, and quality utilizing PowerInsight, Tableau, and data analytics tools.
- Participate in a multidisciplinary team involving clinical pharmacists, physicians, and nursing in addition to information technology and project managers.

### Contact Information

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“ Post-graduate training in Pharmacy Informatics offers a crucial skillset as healthcare becomes increasingly digitized, and the market for pharmacists becomes progressively more competitive. The Pharmacy Informatics Residency at UNM Hospital will not only provide you with exceptional, individualized, clinical training at the state’s premiere academic center, Level 1 Trauma Center and Children’s Hospital, but will also teach you the leadership and technical skills to manage informatics initiatives at large health systems.”

**Dusadee Sarangarm**, MD

Chief Medical Information Officer

Associate Professor, Department of Emergency Medicine  
University of New Mexico School of Medicine

The Pharmacy Informatics resident will have the opportunity to work closely with the multidisciplinary teams providing informatics solutions for the University of New Mexico Health System. The resident will gain a foundation in Pharmacy Informatics that will enable them to work independently and lead projects for the health care system. Electives are offered to the resident in Physician, Nursing, and Clinical Information Technology to create a well-rounded understanding of health care informatics. By the completion of the program the resident will achieve an ASHP Pharmacy Informatics Certificate

### Required 4-week Rotations

- Informatics Pharmacy Orientation
- Pharmacy Orders Integration
- Pharmacy IT Leadership and Management/  
Pharmacy Informatics Compliance
- Pharmacy Automation Technology
- Data Analytics and Reporting
- Clinical Decision Support
- Pump Library Management/Pump Integration
- Project Management

### Possible Elective Rotations

- Physician Health Care Informatics
- Information Technology Clinical Informatics
- Population Health
- Nursing Informatics
- Medication Safety
- Antibiotic Stewardship Informatics

### Additional Residency Experiences

- Staffing one weekend a month in a clinical staffing area
- Volunteer faculty appointment at the UNM College of Pharmacy for didactic lectures and student precepting
- Statistics for Pharmacy Residents





# Oncology PGY2 Pharmacy Residency Program

## Recent Resident Bibliography

**Hua J**, Anselmo L, Heideman N. A retrospective study assessing incidence and prevalence of immune-related adverse events in rural state with ethnically diverse population. Poster presentation HOPA annual meeting March 2019.

**Cadavid N**, Anselmo L, Soares H. Observed treatment patterns in patients with hepatocellular carcinoma (HCC) initiated on systemic therapy at a comprehensive cancer center. Poster presentation HOPA annual meeting March 2018

**Clark S**, Anselmo L. Incidence of Cutaneous Reactions with Pemetrexed: Comparison of Patients who Received Three Days of Oral Dexamethasone Twice Daily to Patients Who Did Not. *Journal of Oncology Pharmacy Practice*. 107815521880486. 10.1177/1078155218804869.

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“The best parts of being at the University of New Mexico are the friendships you make with your coresidents, and the relationships you build with your patients. The state of New Mexico is extremely progressive in pharmacy practice. Combined with the fact we are the largest cancer care provider in the state, you are provided with many opportunities to be involved in direct patient care and making a meaningful impact on each patient’s experience. The UNM community has been supportive in my residency experience from day one. Even now I still keep in touch with everyone that I have met along the way!”

**Jessica Hua, PharmD**  
PGY2 Resident 2019-2020  
Oncology Clinical Pharmacist  
University of Washington, Valley Medical Center

The UNM Health Sciences Center is proud to house a world-class oncology practice site at the UNM Comprehensive Cancer Center - one of only 47 cancer centers in the nation to be designated by the National Cancer Institute as a comprehensive cancer center, the highest federal designation and rating for cancer centers. UNM Comprehensive Cancer Center’s team of doctors and cancer specialists work side-by-side to design individualized treatment plans and deliver them to our patients in a compassionate, culturally sensitive way.

**Residency Rotations** a combination of longitudinal and/or 4 week experiences

### Required 4-week Rotations

Orientation- Inpatient oncology unit

Outpatient Oncology Clinics

- Stem Cell transplant
- Outpatient Hematology Oncology
- Breast
- GYN
- CNS/Sarcoma/Melanoma
- Lung
- Genitourinary/Head & Neck

### Required Longitudinal Rotations

- Administration
- Research (research project with a publication ready manuscript)
- Teaching
- Infusion Pharmacy Staffing
- Investigational Drug Service

### Elective Rotations

- Specialty Outpatient Pharmacy Staffing
- Antibiotic Stewardship
- Anticoagulation
- Pediatric Hematology Oncology
- Inpatient Hematology Oncology

### Additional Residency Experiences

- Staffing one weekend a month on the hematology/oncology unit of the hospital
- Volunteer faculty appointment at the UNM College of Pharmacy for didactic lectures and student precepting
- Physical Assessment Certificate Program
- ACLS/BLS/PALS Certification
- Statistics for Pharmacy Residents





# Pediatric PGY2 Pharmacy Residency Program

The state's premier children's hospital is excited to offer a PGY2 program in pediatrics. UNMH is a Level 1 Trauma Center with a pediatric ED and houses the only Level IV NICU in New Mexico. The pediatric resident will have the opportunity to work closely with the multidisciplinary teams to provide comprehensive patient care for all of our pediatric patients. Through the various clinical rotations, the resident will gain experience caring for patients from extremely preterm neonates to adolescents, as well a wide variety of pediatric disease states. Our program will be tailored to meet the needs and interests of the PGY2 resident.

**Residency Rotations** a combination of longitudinal and **2-6** week experiences

### Required Rotations

- Orientation
- General Pediatrics
- Pediatric ICU
- Neonatal ICU
- Inpatient Pediatric Hematology Oncology

### Required Longitudinal Rotations

- Leadership
- Research (research project with a publication ready manuscript)
- Teaching
- Pediatric Pharmacy Staffing

### Possible Elective Rotations

- Pediatric ED
- Pediatric Nephrology
- Pediatric ID
- Inpatient Child Psychiatry
- Outpatient Pediatric Pulmonology
- Pediatric Infectious Diseases

### Additional Residency Experiences

- Staffing one weekend every third with possibility to be de-centralized throughout the year and potential for one evening shift a week
- Volunteer faculty appointment at the UNM College of Pharmacy for didactic lectures and student precepting
- PALS certification
- Statistics for Pharmacy Residents

## Recent Pediatric Pharmacist Bibliography

Meyers RS, Thackray J, Matson KL, McPherson C, Lubsch L, **Hellinga RC**, Hoff DS. Key Potentially Inappropriate Drugs in Pediatrics: The KIDs List. J Pediatr Pharmacol Ther. 2020;25(3):175-191. doi:10.5863/1551-6776-25.3.175

Dolan E, **Hellinga R**, London M, Ryan K, Dehority W. Effect of Vancomycin Loading Doses on the Attainment of Target Trough Concentrations in Hospitalized Children. J Pediatr Pharmacol Ther. 2020;25(5):423-430. doi:10.5863/1551-6776-25.5.423

**Shenk EE**, Bondi DS, Pellerite MM, Sriram S. Evaluation of Timing and Dosing of Caffeine Citrate in Preterm Neonates for the Prevention of Bronchopulmonary Dysplasia. J Pediatr Pharmacol Ther. 2018;23(2):139-145. doi:10.5863/1551-6776-23.2.139

**Shenk E**, Barton CA, Mah ND, Ran R, Hendrickson RG, Watters J. Respiratory depression in the intoxicated trauma patient: are opioids to blame?. Am J Emerg Med. 2016;34(2):250-253. doi:10.1016/j.ajem.2015.10.053

### Contact Information

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“UNM Children’s Hospital offers a distinctive experience that not only affords clinically challenging clerkships but also promotes personal growth. Widespread intra-disciplinary collaborations allow for unique learning opportunities and truly exemplifies team-based medicine. Each provider and pharmacist I’ve worked has not only developed my clinical skills but also personal skill. The level of knowledge and support made available to me by my colleagues, reassures me that I will be prepared to be a successful pediatric pharmacist on any stage.”

**Joseph Dinallo, PharmD**  
PGY2 Resident 2020-2021





## **For More Information**

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