

# Pharmacy Residency Programs



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## Postgraduate Training Programs

Cleveland Clinic is comprised of a 1,400-bed academic medical center and 20 additional hospitals, including 5 in Southeast Florida. In total, there are nearly 6,500 inpatient beds and over 1,500 pharmacy employees, 20 ambulatory pharmacies, significant inpatient and outpatient clinical services and a pharmacy budget exceeding \$1 billion.

At the Main Campus, we offer 18 distinct PGY-1 and PGY-2 pharmacy residency programs, and at our Regional Community Hospitals (Florida and Ohio), we offer 15 PGY-1 programs, including one in the ambulatory setting, two PGY-1/2 Health-System Pharmacy Administration programs, two PGY-2 Critical Care programs, two PGY-2 Emergency Medicine programs, one PGY-2 Psychiatry Program, and one PGY-2 Ambulatory Care program.

## Residency Overview

Our residency programs provide education and training with a primary emphasis on the development of practice skills in a number of specialized pharmacy practice areas. Throughout the year, residents are involved in a variety of service, education, and research activities.

During this training, residents learn to conduct patient care activities using a consistent approach that reflects the philosophy of pharmacy care across the continuum. In addition to clinical activities, residents are involved in educational programs, including pharmacy conferences, journal clubs and a seminar presentation. Other teaching opportunities include medical and nursing in-services, as well as co-precepting students from colleges of pharmacy. Research skills are developed through experience and enhanced by instruction as residents complete a research project and/or drug use evaluation. Residents attend the ASHP Midyear Clinical Meeting, a Residency Conference, and have the opportunity to attend and participate in other state and local conferences.

For more information about the residency programs at Cleveland Clinic, visit <https://my.clevelandclinic.org/departments/pharmacy/education/residency-programs>

## Our Commitment To Diversity, Equity, and Inclusion

Cleveland Clinic, The Center for Health Sciences Education and The Department of Pharmacy are committed to valuing all people through our organization, regardless of background or culture. A diverse and inclusive environment for students and staff and culturally appropriate care for our patients, are essential to fulfilling our vision to be the best place for care anywhere and the best place to work in healthcare. We welcome students from diverse backgrounds and cultures.



# Cleveland Clinic Main Campus

Cleveland Clinic has been named the No. 4 hospital in the United States by *U.S. News & World Report*. This is the 24th consecutive year that Cleveland Clinic has been among the Top 5 hospitals. The 2022-2023 “Best Hospitals” rankings also named Cleveland Clinic the No. 1 heart hospital in the country for the 28th consecutive year. Statewide and regionally, Cleveland Clinic ranked No. 1 in Ohio and the Cleveland area. Cleveland Clinic is nationally ranked in 13 specialties, including 8 in the Top 5 nationwide.

The rankings are:

- Cancer No. 6
- Cardiology & Heart Surgery No. 1
- Diabetes & Endocrinology No. 11
- Ear, Nose & Throat No. 23
- Gastroenterology & GI Surgery No. 4
- Geriatrics No. 2
- Neurology & Neurosurgery No. 7
- Obstetrics & Gynecology No. 8
- Ophthalmology No. 11
- Orthopedics No. 14
- Pulmonology & Lung Surgery No. 6
- Rheumatology No. 2
- Urology No. 2

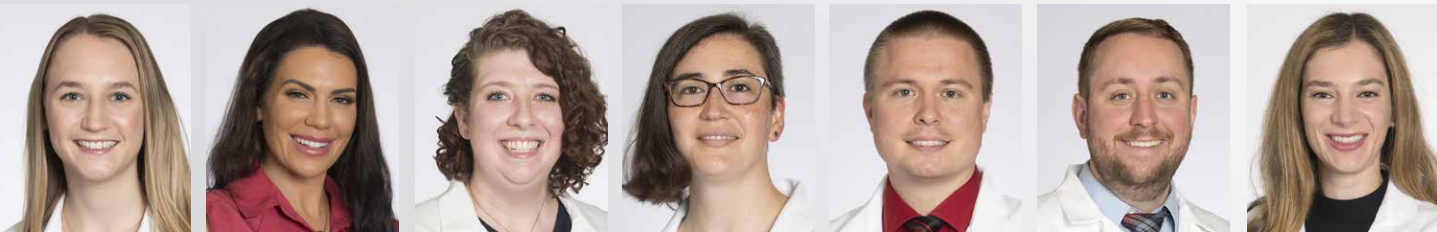
Cleveland Clinic Children’s also received national recognition from *U.S. News & World Report*.

## MAIN CAMPUS RESIDENTS

PGY 1



PGY 2



## Pharmacy Residency

The PGY1 Pharmacy residents will practice at Cleveland Clinic Main Campus. Required rotations are: Internal Medicine 1 and 2, Practice Management, Drug Information, Medication Safety, and Adult Critical Care. Residents will select 5 elective rotations from the following list: Ambulatory Care, Cardiology, Emergency Medicine, Infectious Diseases, Informatics, Neurology, Oncology, Pediatrics, Pharmacogenomics, Psychiatry, and Solid Organ Transplant. Pharmacist preceptors are available for all rotations listed.

Residents will complete a research project, manuscript, and present at internal and external venues. Residents are required to staff 22 weekends per year, work one major (Thanksgiving or Christmas) and one minor (New Year’s Day or Memorial Day) holidays, and participate in an on call program. To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. Additional

research resources include: staff statistician, statistical software, and grant funding through the department of pharmacy. Residents also participate in a longitudinal pharmacy emergency response curriculum. Optional Experience: Residents can choose to complete a leadership certificate which is a 12-month training program that focuses in 4 key areas: essentials of leadership, leading yourself, leading others, and leading the profession of pharmacy.

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## Community Pharmacy Residency

This is a multi-site program in which residents are home-based at the Stephanie Tubbs Jones (East Cleveland, OH) or Twinsburg Family Health Center (Twinsburg, OH). The PGY 1 Community-Based residents will practice within regional and main campus Cleveland Clinic Ambulatory Pharmacies, Ambulatory Care Clinics, Specialty Pharmacy, and the Employee Health Plan. Required rotations are: drug information, community practice, ambulatory management, anticoagulation, primary care, specialty pharmacy, employee health plan, HIV ambulatory care clinic, teaching & education, and transitional care management. Residents will select 1 elective rotation from the following list: heart failure, diabetes/endocrinology, regional oncology clinic, or other advanced practice area of the resident’s choosing. Pharmacist preceptors are available for all rotations. Other longitudinal learning experiences include a teaching certificate program through Northeast Ohio Medical University (NEOMED).

Residents will complete a large project & manuscript, business plan, a quality improvement (QI) small project, and a collaborative practice agreement, standing order, or protocol. Residents will present at the following venues: resident conference, ambulatory care monthly, employee health plan P&T committee, and the Ohio College of Clinical

Pharmacy Spring Meeting. Financial support is provided to attend the ASHP Midyear meeting dependent on institutional travel limitations. Residents are required to staff every 3rd Saturday from September through June and are assigned to work 1 major (Thanksgiving or Christmas) and 1 minor (New Years’ Day or Memorial Day) holiday. Residents must complete 8 community health activities or events.

To assist with building research skills, the residents will participate in the residency research curriculum and skills workshops that take place throughout the residency year. Additional research resources include: staff statistician, statistical software, and grant funding through the department of pharmacy.

### CONTACT

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**Community Pharmacy - Specialty Pharmacy Residency**

The PGY1 Community-Based Pharmacy in Specialty Pharmacy residents will practice at Cleveland Clinic Specialty Pharmacy on the administrative campus of Cleveland Clinic, as well as several clinics within the hospital-based and Cleveland Clinic health centers. Required rotations are: neurology, inflammatory (dermatology, gastroenterology, and rheumatology), hepatology/HIV, transplant/adherence packaging, cardiology, hematology, oncology, drug information, neurology clinic, inflammatory bowel disease clinic, rheumatoid arthritis clinic, and hematology/oncology clinic. Pharmacist preceptors are available for all rotations listed.

Residents will complete a research project, a manuscript, a business plan for a new or enhanced service, a new drug monograph, a collaborative practice agreement, standing order, or state-based protocol and present at the following venues: resident conference, ambulatory care conference, administrative campus pharmacy service line topic discussion series, and the Ohio College of Clinical Pharmacy spring meeting. Residents are required to staff 8 hours every other week, and participate in the on-call program every month for a week

in the second half of the residency year. There is no holiday staffing. Other longitudinal learning experiences are clinical outpatient services where the resident will provide immunizations and complete medication therapy management with patients, pharmacy fulfillment and administration, pharmacy practice management, and completion of a teaching certificate. To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. Additional research resources include: staff statistician, statistical software, and grant funding through the department of pharmacy.

**CONTACT**

Community-Based Pharmacy Residency  
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**Health-System Pharmacy Administration and Leadership Residency/MS**

The PGY -1/PGY-2 Health System Pharmacy Administration and Leadership residency and masters degree is a two year residency program within the Cleveland Clinic Health-System. Our residents complete all requirements of a PGY1 residency in their first year and experience training, mentoring, and modeling in pharmacy administration and leadership. During PGY1 year, residents will have exposure to numerous clinical rotations and will gain firm understanding of pharmacy operations during rotations in our main pharmacy and sterile products areas. Required residency learning experiences during PGY2 year ensure exposure to inpatient pharmacy operations, acute care services, supply chain, finance, med safety, formulary management, and informatics while on rotations with members of our leadership team including our Chief and Associate Chief Pharmacy officers. These rotations will provide an understanding of the changing nature of today's complex medical delivery systems and leadership skills necessary for change management and managing the pharmacy enterprise.

Residents will complete a research projects during their PGY1 and PGY2 years and develop a supporting manuscript with each project.

The PGY2 project also couples as requirement for a Capstone project associated with the Master's degree. To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. Residents will be given opportunity to present at local residency conference as well as attend ASHP Leadership and Midyear conferences. Residents can choose to complete a leadership certificate which is a 12 month training program that focuses in 4 key areas: essentials of leadership, leading yourself, leading others, and leading the profession of pharmacy.

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Health-System Pharmacy Administration and  
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**Pharmacotherapy Residency**

The PGY1/2 Pharmacotherapy residents will practice at Cleveland Clinic Main Campus over 24 months. The PGY-1 year mirrors the Pharmacy PGY-1 residency program in terms of required and elective rotations, however rotations are arranged in two to three month long clinical blocks that focus on a particular area of pharmacotherapy (e.g. critical care, internal medicine, pediatrics). In the second year, more specialized blocks of clinical rotations and a longitudinal ambulatory care component are offered to build and enhance competencies acquired during the resident's first year. Residents also have the opportunity to concentrate on a particular area of pharmacotherapy in their second year.

Residents will complete a research project, manuscript, and present a local and national venues. Residents are required to staff 22 weekends during their first year and 15 weekends during their second year, work 2 holidays per year, and participate in an on call program. To assist with building research skills, the residents will participate in

the residency research curriculum that takes place throughout the residency year. Additional research resources include: staff statistician, statistical software, and grant funding through the department of pharmacy. Residents also participate in a longitudinal pharmacy emergency response curriculum. Optional Experience: Residents can choose to complete a leadership certificate which is a 12-month training program that focuses in 4 key areas: essentials of leadership, leading yourself, leading others, and leading the profession of pharmacy.

**CONTACT**

Pharmacotherapy Residency Director

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**Ambulatory Care Residency**

The PGY2 Ambulatory Care residents will practice within the Cleveland Clinic Health-System, including hospital based clinics on the main campus, as well as several non-hospital based clinics within Cleveland Clinic family health centers. The pharmacist-driven ambulatory care clinics utilize consult agreements that allow pharmacists to initiate, discontinue, and modify medications for the disease states delegated by the physician or advanced practice provider. Required rotations are: primary care 1, primary care 2, anticoagulation 1, anticoagulation 2, pharmacy administration 1, diabetes 1, geriatrics, heart failure, HIV. Residents will select 2 elective rotations from the following list: diabetes 2, gastroenterology, managed care, pharmacogenomics, pharmacy administration 2, rheumatology, specialty pharmacy, transplant. Pharmacist preceptors are available for all rotations listed. Additionally, direct patient care rotations have embedded pharmacists within the specialty outpatient practices.

Residents will complete a research project, manuscript, and present at the following venues: resident conference, ambulatory care

monthly, and the APPE student lecture series. To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. Additional research resources include: staff statistician, statistical software, and grant funding through the department of pharmacy. Optional Experience: Residents can choose to complete a leadership certificate which is a 12 month training program that focuses in 4 key areas: essentials of leadership, leading yourself, leading others, and leading the profession of pharmacy.

**CONTACT**

Ambulatory Care Residency (PGY-2) Director

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**Cardiology Residency**

The PGY2 Cardiology resident will practice within the Department of Pharmacy in the Heart, Vascular and Thoracic Institute at the Cleveland Clinic Main Campus. Required rotations are clinical cardiology, coronary ICU, advanced heart failure/heart transplant, CVICU, Imaging, and Heart Failure ambulatory clinic. The resident can choose from a number of elective rotations to build and enhance competencies.

The resident will complete a research project and a drug use evaluation or quality project, prepare a drug monograph and complete a manuscript. To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. There are multiple opportunities to

present in several settings as well as the opportunity to participate in the leadership program. The resident will participate in the on call program, clinical staffing 15 weekends (30 eight-hour shifts), working 1 major and 1 minor holiday, as well as participation in hospital committees.

**CONTACT**

Cardiology Residency (PGY-2) Director  
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**Emergency Medicine Residency**

The PGY2 Emergency Medicine resident will practice primarily in the Cleveland Clinic Main Campus Emergency Department with an offsite trauma rotation within the Cleveland Clinic Health-System. Required rotations are two emergency medicine core rotations, a trauma emergency medicine rotation, a medical intensive care unit rotation, a neurosciences intensive care unit rotation, a pediatric intensive care unit rotation, a concentrated toxicology rotation, and an advanced emergency medicine rotation. Residents will have the opportunity to select at least one elective rotation from the following: pediatric emergency medicine, coronary intensive care unit, solid organ transplant, infectious diseases, cardiothoracic intensive care unit, or immunocompromised infectious diseases.

Residents will complete a research project, a drug use evaluation, a manuscript, a drug monograph, and present at the following venues: resident conference, emergency medicine journal club, critical care conference, the APPE student lecture series, ASHP Midyear, and the Ohio College of Clinical Pharmacy spring meeting.

To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. Additional research resources include: staff statistician, statistical software, and grant funding through the department of pharmacy. Optional Experience: Residents can choose to complete a leadership certificate which is a 12 month training program that focuses in 4 key areas: essentials of leadership, leading yourself, leading others, and leading the profession of pharmacy.

**CONTACT**

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**Critical Care Residency**

The PGY2 critical care residents will practice at the Cleveland Clinic Main Campus with an opportunity for an elective off-site trauma rotation within the Cleveland Clinic Health System. Required rotations are: medical, surgical, cardiothoracic surgery, cardiac, and neurosciences intensive care units. Residents will select several elective rotations from the following list: clinical teaching, emergency medicine, heart failure/heart transplant, infectious diseases, informatics, medical intensive liver unit, neurology/stroke, oncology, transplant surgical intensive care unit, and trauma. Pharmacist preceptors are available for all rotations listed.

Residents will complete a research project, drug use evaluation/quality improvement project, manuscript, drug monograph, and present at the following venues: resident conference, APPE student lecture series, and critical care conference. Residents are required to staff 15 weekends per year, work 1 major and 1 minor holiday, and participate in the on call program. Other longitudinal learning experiences include emergency response and post-intensive care recovery clinic. To assist with building research skills, the residents

will participate in the residency research curriculum that takes place throughout the residency year. Additional research resources include: staff statistician, statistical software, and grant funding through the department of pharmacy. Optional Experience: Residents can choose to complete a leadership certificate which is a 12-month training program that focuses in 4 key areas: essentials of leadership, leading yourself, leading others, and leading the profession of pharmacy.

The Cleveland Clinic Main Campus PGY2 Critical Care Pharmacy Residency Program was selected as the 2020 winner of the American Society of Health System Pharmacists (ASHP) Residency Excellence Award.

**CONTACT**

Critical Care Residency (PGY-2) Director  
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**Infectious Diseases Residency**

The PGY2 Infectious Diseases Residency is a one-year training program within the Cleveland Clinic Health-System. The Infectious Diseases (ID) residency is focused on direct patient care through infectious diseases consult services and clinic, antimicrobial stewardship, practice management, and education. Required concentrated rotations are General ID, Antimicrobial Stewardship 1 and 2, Immunocompromised ID 1 and 2, Microbiology, Endocarditis, Bone and Joint ID Consults, Neurosciences ID Consults, and Pediatric ID. Required longitudinal rotations are Human Immunodeficiency Virus (HIV)/ID Outpatient Clinic, Antimicrobial Stewardship and Formulary Management, Research, and Education/Presentations. In addition, residents may select from a variety of elective rotation experiences including Community ID Practice, Intensive Care Unit ID, Advanced ID Consults/Antimicrobial Stewardship, and Travel Medicine/Public Health. Pharmacist preceptors are available for all rotations listed.

Residents will complete a research project, a quality assurance/quality improvement project, a manuscript, a drug monograph and present at the following venues: resident conference, ID Monthly, the APPE student lecture series, the Ohio College of Clinical Pharmacy Spring

Meeting, and the Making a Difference in Infectious Diseases (MAD-ID) conference. To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the year. Additional research resources include availability of a staff statistician, statistical software, and grant funding through the department of pharmacy. Residents may also choose to complete a leadership certificate which is a 12 month is training program focusing on four key areas: essentials of leadership, leading yourself, leading others, and leading the profession of pharmacy.

Residents are required to staff 15 weekends and two holidays per year and participate in an on call program.

**CONTACT**

Infectious Diseases Residency (PGY-2) Director  
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**Internal Medicine Residency**

The PGY2 Internal Medicine resident will practice at Cleveland Clinic Main Campus. Required rotations are: Internal Medicine (I, II, and III), nephrology, and pulmonary medicine. Additionally, infectious disease and medical intensive care unit will be required if not completed as a PGY1. Residents will select at least one elective rotation from the following list: cardiology, neurology, infectious disease, emergency medicine, hepatology, medical intensive care unit, ambulatory care, and transplant. Pharmacist preceptors are available for all rotations listed.

Residents will complete a research project, a drug use evaluation, a manuscript, and present at the following venues: resident conference, internal medicine conference, the APPE student lecture series, ASHP Midyear, and the Ohio College of Clinical Pharmacy spring meeting. Residents are required to staff 15 weekends per year, work 1 major and 1 minor holiday, and participate in an on call program. Other longitudinal learning experiences include student precepting and participation in an internal medicine committee. To assist with

building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. Additional research resources include: staff statistician, statistical software, and grant funding through the department of pharmacy. Optional Experience: Residents can choose to complete a teaching certificate through Northeast Ohio Medical University. Residents may also complete a leadership certificate. This is a 12 month training program that focuses in 4 key areas: essentials of leadership, leading yourself, leading others, and leading the profession of pharmacy.

**CONTACT**

Internal Medicine Residency (PGY-2) Director  
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**Investigational Drugs and Research Residency**

The PGY2 Investigational Drugs and Research resident will practice at the Cleveland Clinic main campus. Required rotations are: hospital operations, regional operations, leadership, IRB and human subject protections, informatics, drug information, automation, regional oncology, and clinical oncology/research. Elective rotations include: neurodegenerative disease research (either in Las Vegas or remote), sterile products, finance, and regulatory compliance. Pharmacist preceptors are available for all rotations listed.

Residents will complete a research project, manuscript, and present at SOCRA or ASHP. The resident is required to staff 15 weekends, work one major and one minor holiday, and participate in an on-call program. Longitudinal learning experiences will include operations optimization, proposal development, and business model

enhancement. To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year.

**CONTACT**

Investigational Drugs and Research Residency (PGY-2) Director  
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**Medication-Use Safety and Policy Residency**

The PGY2 Medication-Use Safety and Policy resident will practice at the Cleveland Clinic Main Campus. Required rotations are: Drug Information Practice and Service, Advanced Drug Information Practice and Service, Formulary Management and Pharmacy and Therapeutics Committee Support, Pharmacy Administration and Drug-Use Policy, Formulary Implementation, Drug Shortage and Recall Management, Pharmacy Informatics, Medication Safety, Advanced Medication Safety, and Regulatory and Accreditation. Residents will have the opportunity to select at least one elective rotation from the following: Pediatric Medication Safety, or advanced experiences in previously completed rotation areas. Pharmacist preceptors are available for all rotations listed.

Residents will complete two medication monographs, a medication-use evaluation, research project, manuscript, and present at the following venues: resident conference, quarterly Drug Information Conference, the APPE student lecture series, and the Ohio College of Clinical Pharmacy spring meeting. Residents will attend and present at the Cleveland Clinic Health System Medical Staff Pharmacy &

Therapeutics Committee and corresponding Formulary Specialty Panels. They will also participate in the drug information on-call service.

To assist with building research skills, residents will participate in the residency research curriculum that takes place throughout the residency year. Additional research resources include: staff statistician, statistical software, and grant funding through the department of pharmacy. Optional experience: Residents can choose to complete a leadership certificate which is a 12-month training program that focuses in four key areas: essentials of leadership, leading yourself, leading others, and leading the profession of pharmacy.

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**Oncology Residency**

The PGY2 Oncology resident will practice at Cleveland Clinic Main Campus. Required rotations are: solid tumor oncology, leukemia, blood and marrow transplantation, pediatric oncology, management/investigational drug services, outpatient oncology, inpatient lymphoma/myeloma, immunocompromised infectious diseases, and chemotherapy operations. Elective rotations include inpatient gyn/oncology, oncology informatics, outpatient hematology clinics, pediatric blood and marrow transplantation, teaching, specialty pharmacy, and many others.

In addition to clinical rotations, the resident will participate in the formulary management process, chemotherapy protocol validations, and the on call program. Residents will complete a research project, drug use evaluation, manuscript, drug monograph, and present at the following venues: resident conference, weekly oncology disease state and therapeutics discussions, student lectures and discussions, the APPE student lecture series, and the Hematology/Oncology Pharmacy Association spring meeting. To assist with building research skills,

the residents will participate in the residency research curriculum that takes place throughout the residency year. Additional research resources include a staff statistician, statistical software, and grant funding through the department of pharmacy. Lastly, residents can choose to complete a leadership certificate which is a 12 month training program that focuses in 4 key areas: essentials of leadership, leading yourself, leading others, and leading the profession of pharmacy.

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### Pediatric Residency

The PGY-2 Pediatric Residency is a one-year training program within the Cleveland Clinic Health-System. Our residents train under the supervision of experienced clinical pharmacists in the care of infants, toddlers, children and adolescents. Our program is focused on direct patient care, practice management, and education of healthcare providers, patients and caregivers.

Cleveland Clinic Children's is a 120 bed hospital that consistently ranks as a national leader in pediatric clinical care by *U.S. News & World Report's* "Best Children's Hospitals". It is part of the Cleveland Clinic Health System and is a non-freestanding children's hospital that resides on the Cleveland Clinic Main Campus.

PGY-2 Pediatric Pharmacy Residents will be exposed to a broad range of experiences and activities intended to build the skills necessary to practice independently. Areas of focus are general pediatrics, pediatric intensive care, and neonatology, with additional experiences available in pediatric infectious diseases, hematology/oncology and

cardiology. The resident can choose from a number of elective rotations to build and enhance competencies. In addition, the resident will conduct a year-long research project and present the results at the PPA annual conference as well as prepare a manuscript for publication. Presentation skills will be enhanced by giving formal presentations throughout the year. Additional requirements are participation in hospital committees and inpatient staffing in the pediatric pharmacy satellite.

#### CONTACT

Pediatric Residency (PGY-2) Director

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### Pharmacy Informatics Residency

The PGY2 Pharmacy Informatics residency offers the resident the opportunity to practice supporting medication use technologies across the Cleveland Clinic Health System. Required rotations are: Automation & Technology, Orders Management, Reporting & Analytics, Clinical Decision Support, Informatics Theory, Informatics Leadership, and Student Precepting. Elective opportunities are available in specialty-focused areas including Oncology Informatics, Ambulatory Informatics, Antimicrobial Stewardship, and Order Set Management.

The resident will complete a longitudinal research project that will involve implementation new technology or optimization of existing technology within the electronic health record or automation systems. The resident will also complete a smaller research project that involves the evaluation of an existing feature within the electronic health record. Residents will also develop a manuscript based on one of the two research projects. Informatics residents will also have the opportunity to deliver presentations at the following venues: resident conference and the APPE student lecture series.

To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the

residency year. Additional research resources include: staff statistician, statistical software, and grant funding through the department of pharmacy. Optional Experience: Residents can choose to complete a leadership certificate which is a 12 month training program that focuses in 4 key areas: essentials of leadership, leading yourself, leading others, and leading the profession of pharmacy.

The Pharmacy Informatics Residency also provides the opportunity for the resident to earn a credential in the use of the medication management application in the electronic health record.

#### CONTACT

Pharmacy Informatics Residency (PGY-2) Director

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### Clinical Pharmacogenomics Residency

The PGY2 Clinical Pharmacogenomics resident will practice within the Cleveland Clinic Health System, including hospital based clinics on Main Campus. One example is the embedded pharmacogenomics clinic in the Center for Geriatric Medicine which is a pharmacist-driven service that utilizes consult agreements to allow pharmacists to initiate pharmacogenomics testing, provide interpretations and pharmacogenomics-based recommendations. Required rotations are: four blocks of clinical pharmacogenomics, ambulatory care, ambulatory care specialty clinic, and drug information center.

Residents will select up to 3 elective rotations from the following list: oncology, pediatrics, pharmacy informatics, psychiatry and transplant. Pharmacist preceptors are available for all rotations listed.

Residents will complete a research project, a drug use evaluation, manuscript, a drug monograph and present at the following venues: resident conference, APPE student lecture series, ambulatory care monthly, and the Ohio College of Clinical Pharmacy spring meeting. Residents are required to staff 15 weekends, work 1 major and 1

minor holiday, and participate in an on call program. To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. Additional research resources include: staff statistician, statistical software, and grant funding through the Department of Pharmacy. Optional Experience: Residents can choose to complete a leadership certificate which is a 12 month training program that focuses in 4 key areas of essentials of leadership, leading yourself, leading others, and leading the profession of pharmacy.

#### CONTACT

Clinical Pharmacogenomics Residency

(PGY-2) Director

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### Solid Organ Transplant Residency

The PGY2 Solid Organ Transplant resident will practice at Cleveland Clinic Main Campus. Required rotations are: kidney transplant, liver transplant, heart failure/transplant, lung transplant, outpatient transplant, immunocompromised infectious diseases, and transplant independent practice. Residents have the option to select several elective rotations from the following list: pediatric transplant, intestinal transplant, specialty pharmacy, cardiothoracic ICU, surgical ICU, and medical ICU. Pharmacist preceptors are available for all rotations listed.

Residents will complete a research project, a drug use evaluation, a manuscript, a drug monograph, and present at the following venues: resident conference, quarterly transplant journal club, the APPE student lecture series, and the Ohio College of Clinical Pharmacy spring meeting. To assist with building research skills, the residents will participate in the residency research curriculum that takes place

throughout the residency year. Additional research resources include: staff statistician, statistical software, and grant funding through the department of pharmacy. Optional Experience: Residents can choose to complete a leadership certificate which is a 12 month training program that focuses in 4 key areas: essentials of leadership, leading yourself, leading others, and leading the profession of pharmacy.

#### CONTACT

Solid Organ Transplant Residency (PGY-2) Director

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# Ohio Regional Hospitals





## Cleveland Clinic Akron General

Clinic Akron General is a 532-bed adult, tertiary care, Level I Trauma center that has been serving the healthcare and wellness needs of Akron and the surrounding communities for over 100 years. Additionally, Cleveland Clinic Akron General has regional referral centers in Cardiology, Cancer, and Orthopedics. As a major teaching hospital, Cleveland Clinic Akron General trains future physicians and pharmacists through 15 high-quality medical and pharmacy residency programs. Cleveland Clinic Akron General is ranked as the No. 1 hospital in the Akron metro area and the No. 7 hospital in Ohio, according to *U.S. News & World Report's* "2022-2023 Best Hospitals."

The Department of Pharmacy at Cleveland Clinic Akron General employs more than 160 caregivers (pharmacists, residents, pharmacy interns, technicians, and other support personnel) whose primary goal is to provide excellent patient care. The pharmacy provides services at Cleveland Clinic Akron General, the McDowell Cancer Center, the Cleveland Clinic Hospice Care Center, Ambulatory Care Centers, Lodi Community Hospital, and three free standing emergency departments and infusion centers. Patient care areas at Cleveland Clinic Akron General are served by a central pharmacy. Distributive services are supported by a decentralized distribution system (BD Pyxis) and centralized BD Carousels.

The pharmacy provides clinical services with clinical specialists in the areas of internal medicine, family practice, ambulatory care, pain management, surgical intensive care, medical intensive care, neurologic intensive care, cardiovascular intensive care, infectious diseases, emergency medicine, psychiatric medicine, hematology/oncology, and transitions of care. Clinical services are also provided through a unit-based pharmacist model focused on identifying and resolving pharmaceutical care issues while the patient is in-house. Additionally, the pharmacy is very involved in teaching, serving as an Advanced and Introductory Pharmacy Practice Experience training site for several colleges of pharmacy.



## Pharmacy Residency

The PGY1 Pharmacy Practice residents will practice at Cleveland Clinic Akron General. Required rotations are: Internal Medicine, Internal Medicine 2, Family Medicine, Critical Care, Infectious Disease, Ambulatory Care, Research, and Unit-Based Pharmacy. Residents will select 3 elective rotations from the following list: Neuroscience Intensive Care, Cardio-vascular Intensive Care, Surgical Intensive Care, Medical Intensive Care, Emergency Medicine, Opioid Stewardship, Oncology/Hematology, Behavioral Medicine, Advanced Ambulatory Care, and Transitional Care Management. Pharmacist preceptors are available for all rotations listed. Additional elective experiences may be available in ambulatory cardiology, nephrology, bariatric medicine, or other area of interest depending on availability of providers.

Residents will complete a research project, manuscript, medication use evaluation and present at a variety of internal and external venues. Residents are required to staff every other weekend (Saturday and Sunday) and three (3) recognized holidays. Other longitudinal learning experiences include Practice Management, Medication Safety, Medication Policy, Service, presentations at education conferences, Morbidity and Mortality conference, participation in hospital committees and pharmacy student education. To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. Optional Experience: Residents can choose to complete a teaching certificate program through Northeast Ohio Medical University or a leadership certificate through Cleveland Clinic Health System, which is a 12-month training program that focuses in 4 key areas: essentials of leadership, leading yourself, leading others, and leading the profession of pharmacy.

### CONTACT

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**Health-System Pharmacy Administration and Leadership Residency/MS**

Upon completion of the 24-month combined Pharmacy Residency Program in Health-System Pharmacy Administration and Leadership (HSPAL) with a Master of Science Degree at Cleveland Clinic Akron General the resident will possess clinical competence in administrative, financial, medication safety, and leadership related to health-system administration and leadership enabling them to manage complex health-system pharmacy departments. Residents completing the ir PGY2 Year of the HSPAL residency at Cleveland Clinic Akron General will be trained to begin their careers in a wide variety of managerial positions.

During the first 12-months of the HSPAL residency, the resident will complete all the same requirements as the PGY1 Pharmacy residents allowing the resident to gain a solid clinical foundation and prepare them to sit for board certification (BCPS) in their second year. Electives in their PGY1 year can be used to gain leadership experience but can be used to further develop clinical excellence. In the PGY2 year of the HSPAL residency, the resident will become a member of the Pharmacy Management team gaining skills in pharmacy leadership, pharmacy enterprise leadership, medication safety, clinical pharmacy operations, pharmacy operations,

procurement and support services. The HSPAL resident will also have required rotations in the Cleveland Clinic Health System (CCHS) to gain diverse experience of leadership at all different levels in the Pharmacy Enterprise. The HSPAL resident will serve as the Chief Pharmacy Resident in the ir PGY2 year to 10 pharmacy residents. Additionally, the HSPAL resident will complete the leadership certificate program through the CCHS pharmacy enterprise during their first year and have the option to complete the NEOMED teaching certificate in their second year.

**CONTACT**

Health-System Pharmacy Administration and Leadership Residency Director  
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**Critical Care Residency**

The Critical Care Residency (PGY2) at Cleveland Clinic Akron General is a one-year training program designed to provide training in a variety of critical care settings.

The primary practice areas for the residents are Cardiovascular Intensive Care, Medical Intensive Care, Neuroscience Intensive Care, Trauma/Surgical Intensive Care, Emergency Medicine, and Infectious Diseases. There are also opportunities for elective rotations in Nephrology and Nutrition. Additionally, residents will have the opportunity to precept both pharmacy students and PGY1 pharmacy residents. A teaching certificate program is offered through Northeast Ohio Medical University if the resident had not acquired one from their PGY1 residency. Cleveland Clinic also offers a leadership certificate for residents who wish to pursue this option. The residents will work every other weekend throughout the year rounding with the Medical Intensive Care service. The residents

will also complete a medication use evaluation and an original research project. The residents will have the opportunity to present their research at a variety of local, regional, and national professional conferences.

**CONTACT**

Critical Care (PGY-2) Director  
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**Emergency Medicine Residency**

The PGY2 Emergency Medicine residents will practice within a 60-bed emergency department that provides care to more than 70,000 patients annually and serves as a regional Level 1 trauma center, thrombectomy-capable stroke center, and chest pain referral center. The PGY2 resident will engage with the interdisciplinary team in direct patient care with the goal of providing optimal patient-centered medication therapy. Required rotations are: Emergency Medicine Foundations, Emergency Medicine Populations, Pediatric Emergency Medicine, Rural & Community Emergency Medicine, Advanced Emergency Medicine Practice, Critical Care I (selected from medical, surgical, cardiovascular, and neuroscience ICU) and ED to ICU Transitions of Care. Residents will select 3 elective rotations from the following list: Advanced Trauma (at MetroHealth), Critical Care (any ICU), Hematology/Oncology, Infectious Diseases, Inpatient Psychiatry, Clinical Toxicology (at Central Ohio Poison Center), Wilderness Medicine. Pharmacist preceptors are available for all rotations listed.

Residents will complete a research project, manuscript, and present at the following venues ASHP Midyear, as well as various local and regional conferences. Extensive teaching opportunities are incorporated throughout the year, including pharmacy and non-pharmacy precepting, continuing education presentations,

and didactic lectures through collaboration with the Northeast Ohio Medical University (NEOMED). Residents are required to staff every 3rd weekend and will work 1 major and 2 minor holidays. Other longitudinal learning experiences include Antimicrobial Stewardship in the Emergency Department, Prehospital Emergency Medicine Practice, Research, and Teaching, Precepting, and Professional Presentations. To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. Additional research resources include: research department resources, research scientist and statistician, REDCap, STATA. Optional Experience: Leadership Certificate through Cleveland Clinic Main Campus.

**CONTACT**

Emergency Medicine (PGY-2) Director  
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## Avon Hospital

Avon Hospital opened in November 2016, adjacent to the Richard E. Jacobs Health Center in the western-Cleveland suburb of Avon, Ohio. This 126-bed community hospital is the first Cleveland Clinic regional hospital designed and built to accommodate future advances in medical care. Avon Hospital provides a variety of services to the community including emergency medicine, general and orthopedic surgery, and acute care. In 2019, Avon Hospital was awarded Advanced Certification for Primary Stroke by The Joint Commission and 2019 Healthgrades Outstanding Patient Experience Award. Avon Hospital also achieved Level 2 Geriatric Emergency Department Accreditation by The American College of Emergency Physicians in 2021.

The Department of Pharmacy consists of approximately 25 dedicated staff members, and provides 24-hour pharmaceutical services from the inpatient pharmacy with decentralized pharmacist coverage in the emergency department, intensive care unit, and general medical and surgical floors. A unique healthcare delivery model allows for around-the-clock bedside coverage utilizing hospitalist physicians and advanced practice providers. Pharmacists are integral members of the interdisciplinary care team leveraging collaborative practice agreements focusing on drug therapy optimization, medication reconciliation, and patient education. Pharmaceutical services continue after hospital discharge at the Richard E. Jacobs Health Center where patients can fill prescriptions through prescription bedside delivery service or at the outpatient pharmacy, follow-up for anticoagulant therapy monitoring and chronic disease state management at pharmacist-staffed ambulatory care clinics, and receive select parenteral therapy at the outpatient infusion center.



## Euclid Hospital

Euclid Hospital is a 168-bed acute care community hospital located right on Lake Erie. Euclid serves the local community providing emergency services, general and orthopedic surgeries, acute and sub-acute care, as well as a variety of outpatient services. Euclid Hospital is an accredited stroke center and was awarded the 2021 Gold Plus with Target: Stroke Honor Roll from the American Heart Association. Euclid Hospital also has Magnet status and the emergency department is an accredited level 3 geriatric center.

The Department of Pharmacy supports 24-hour pharmaceutical services and also offers bedside delivery of patient discharge medications. Decentralized pharmacists provide pharmaceutical services in the emergency department, medical floors, and surgical floors. Rounding services include critical care, internal medicine, and infectious diseases. Euclid pharmacists precept IPPE and APPE students from regional pharmacy schools. Clinical duties focus on medication reconciliation, patient counseling and drug optimization.



PGY 1

### Pharmacy Practice Residency

The Avon Hospital Pharmacy Residency (PGY-1) is a one-year postgraduate training program based in a state-of-the-art community hospital practice setting. The residency will build on Doctor of Pharmacy (Pharm.D.) education and outcomes to contribute to the development of clinical pharmacists responsible for medication-related care of patients with a wide range of conditions, eligible for board certification, and eligible for postgraduate year two (PGY2) pharmacy residency training.

Required core experiences are decentralized unit-based pharmacy practice, internal medicine, critical care, infectious diseases, and emergency medicine. The resident will have the opportunity to complete elective experiences in ambulatory care, outpatient hematology/oncology, repeat advanced learning experiences, and others as determined by their needs and interests.

Longitudinally, the resident will have every-other weekend staffing and clinical responsibilities, and will develop leadership skills through a practice management experience and hospital committee

involvement. The resident will be involved in educational activities, including presentations to pharmacy staff, provider and nursing in-services, co-precepting pharmacy students, and completion of an elective teaching certificate facilitated by Northeast Ohio Medical University (NEOMED). Research experience will be gained through completion of a major research project, and the resident will have the opportunity to present their research on a regional and national level.



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### Pharmacy Residency

The Euclid Hospital Pharmacy Residency (PGY-1) is a one-year post-graduate training program based in a community hospital practice setting within the Cleveland Clinic Health-System. Residents will gain experience in developing patient-specific medication treatments and monitoring plans and providing education to patients and healthcare professionals. The residency offers required learning experiences in critical care, emergency medicine, internal medicine, infectious disease, decentralized unit-based pharmacy, and pharmacy practice management. Residents will select three electives including: ambulatory care, psychiatric pharmacy, pharmacy operations, and other electives based on the resident's needs and interests.

Residents will complete a research project and manuscript, and present at local and national conferences virtually or in person. To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. Additionally, the Euclid Hospital residency program includes teaching/precepting opportunities for pharmacy students

and optional didactic teaching in coordination with NEOMED's teaching certificate. Residents can choose to complete a leadership certificate that focuses in four key areas: essentials of leadership, leading yourself, leading others, and leading the profession of pharmacy.



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PGY 1

## Fairview Hospital

Fairview Hospital is a 488-bed community teaching hospital. Fairview Hospital supports medical residencies in internal medicine, surgery and family practice and is recognized as a Magnet® Hospital by the American Nurses Credentialing Center. Fairview Hospital has a number of clinical Centers of Excellence, including Birthing Services, Cancer Center, Emergency and Level II Trauma, Heart Center and Surgery. Fairview was nationally ranked in Neurology & Neurosurgery, and high performing in cardiology and heart surgery, diabetes and endocrinology, gastroenterology and GI surgery, geriatrics, Orthopedics, and Pulmonary and Lung surgery by *U.S News & World Report* in 2022. The Department of Pharmacy consists of 107 dedicated total staff and provides pharmacy services 24 hours a day. The department uses various technologies to support safe and efficient medication compounding and delivery. Pharmacists provide care through a decentralized model on medical-surgical floors, the intensive care units, the emergency department, and in outpatient oncology. Rounding services include internal medicine, infectious disease and critical care. Pharmacists at Fairview Hospital are integral members of the interdisciplinary care team and focus on drug therapy optimization, medication reconciliation, and patient education. In addition to PGY1 residents, Fairview pharmacists also precept IPPE and APPE students from local pharmacy schools and support a PGY2 in Emergency Medicine.



## Emergency Medicine Residency

The PGY2 Emergency Medicine resident will practice at Fairview Hospital, focusing in the adult and pediatric emergency department. Required rotations are: emergency medicine, resuscitation, research, leadership, precepting/presentations, and medical intensive care. Residents will select 3 elective rotations from the following list: surgical intensive care, cardiology, infectious disease, obstetrics/neonatal intensive care, and emergency psychiatry. Pharmacist preceptors are available for all rotations listed.

Residents will complete a research project, manuscript, and present at the following venues: resident conference, emergency department performance improvement committee, emergency services institute pharmacy governance committee, emergency medicine journal club series, and APPE student lecture series. To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. Optional

Experience: Residents can choose to complete a leadership certificate which is a 12 month training program that focuses in 4 key areas: essentials of leadership, leading yourself, leading others, and leading the profession of pharmacy.



### CONTACT

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## Pharmacy Residency

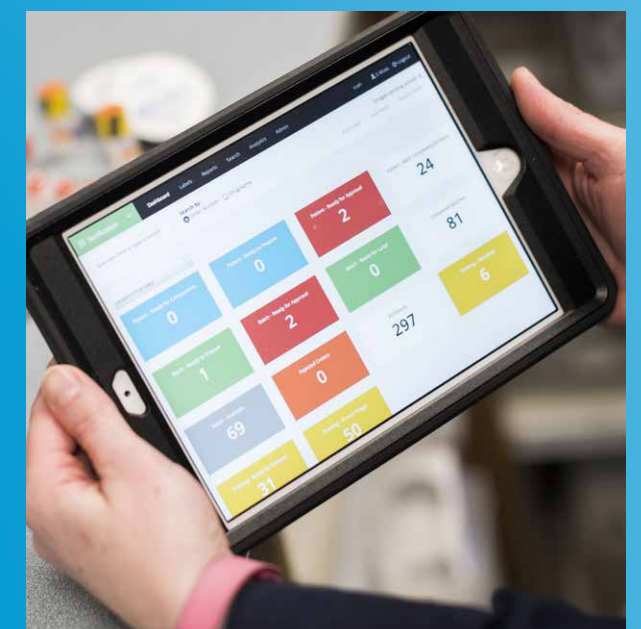
The Fairview Hospital Pharmacy Residency (PGY-1) is a one-year postgraduate training program that provides a foundation of diverse experiences in pharmaceutical care and hospital pharmacy practice. The program is designed to expose the resident to a variety of practice areas in acute care and ambulatory environments to build and expand the knowledge and skills necessary for direct patient care. Residents who successfully complete this program are well prepared for specialized residencies, fellowships, and opportunities in clinical hospital practice. Required experiences are adult internal medicine, critical care, cardiology, infectious disease, unit-based pharmacy practice, emergency medicine and pharmacy leadership. Required longitudinal rotations are ambulatory care clinic, research project, and staffing. Electives include oncology, pediatric/ adolescent psychiatry, trauma, investigational drug services, inpatient family medicine, nephrology, obstetrics/neonatal ICU and critical care (surgery). There are also opportunities to complete teaching and leadership certificates. In addition to clinical activities, residents are involved in educational programs, which include pharmacy case conferences and continuing education seminar presentations to internal medicine residents. Residents are also involved with precepting students from colleges of pharmacy. Research skills are developed throughout the year as residents complete a research project and drug use evaluation. Residents attend the ASHP Midyear Clinical Meeting and an Ohio



regional conference (example Ohio Pharmacy Residency Conference, Ohio College of Clinical Pharmacy meeting).

### CONTACT

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## Hillcrest Hospital

Hillcrest Hospital is a 500-bed community acute care hospital rated as the No. 4 hospital in Ohio and the No. 3 hospital in the Cleveland Metropolitan Area by *U.S. News & World Report* in 2022, as well as being nationally ranked in Cardiology & Heart Surgery, Gastroenterology & GI Surgery, and Neurology & Neurosurgery. Hillcrest is an accredited Stroke Center (Gold Plus Target Stroke Honor Roll for 2020 Get With The Guidelines), Chest Pain Center with PCI, and is a Top 100 hospital for cardiac care. Hillcrest earned Magnet Status and the Quality Achievement Award from the American Heart Association. Hillcrest Hospital has several clinical Centers of Excellence, including Birthing Services, Cancer Center, Emergency and Level II Trauma, Heart Center, and Surgery. The department of pharmacy provides clinical services with clinical specialists in the areas of ambulatory care, cardiology, emergency medicine, hematology/oncology, infectious disease, internal medicine, medical/surgical intensive care, and neonatal medicine. Additional clinical pharmacy services provided include medication reconciliation; heart failure, acute myocardial infarction, and anticoagulation medication education; and multiple therapy-optimizing consult agreements. Hillcrest Hospital Pharmacy is dedicated to providing optimal and excellent patient care.



## Pharmacy Residency

The Pharmacy Residency (PGY-1) is a one-year postgraduate training program that offers clinical experiences in adult intensive care (medical, surgical, cardiovascular, and cardiothoracic), neonatology, infectious disease, internal medicine, oncology, emergency medicine, ambulatory internal medicine, administration, high risk obstetrics, and pharmacy practice. The resident will complete a medication use evaluation and an original research project, with an associated manuscript written for publication. Additional opportunities are available through hospital committees, continuous improvement projects and elective rotations. Residents fine tune their communication skills through multiple journal clubs and formal presentations. Residents will use their critical thinking skills through case conferences in addition to daily rounding on patient care teams. Residents will learn various leadership skills through a leadership course and monthly leadership seminars. Residents will gain experiences with teaching and preceptor skills through PharmD student interactions. Past residents who have successfully completed this program have gone on to specialized residencies, fellowships, hospital practice in an integrated patient care area clinical role or other career opportunities.



Please visit our resident website at [www.hillcresthospital.org/PGY1pharmacyresidents](http://www.hillcresthospital.org/PGY1pharmacyresidents) for further information.

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## Ambulatory Care Residency

The PGY-2 Ambulatory Care Residency at Cleveland Clinic Hillcrest Hospital is a specialized one-year residency program with rotation offerings in multiple ambulatory care clinics, including primary care, chronic care, and oncology. The PGY-2 Ambulatory Care resident will utilize consult agreements to initiate, discontinue, and modify medications for disease states delegated by the physician or advanced practice provider. The required rotations are: Internal/Family Medicine Outpatient Clinic, Primary Care Pharmacy Clinic, Outpatient Anticoagulation Clinic, Transitions of Care Inpatient, Internal Medicine Inpatient, Chronic Care Heart Failure Clinic, Practice Management, Emergency Department/Infectious Disease Clinic, and Hematology/Oncology Outpatient.

The resident will complete a medication use evaluation and an original research project, with an associated manuscript written for publication. These projects will be presented at various state and national level pharmacy professional meetings. Numerous educational

and preceptor prospects are available, including precepting PGY-1 pharmacy residents, and APPE students. Residents will also complete the Cleveland Clinic Corners of Leadership Pharmacy Residency Certificate Program.



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 Ambulatory Care Residency (PGY-2) Director  
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## Critical Care Residency

The PGY2 Critical Care residency at Cleveland Clinic Hillcrest Hospital is a specialized one-year residency program with required rotation offerings in multiple areas of critical care medicine, including medical, surgical, neonatal, cardiothoracic, and coronary care intensive care unit settings. Additionally, experiences with adult and pediatric emergency medicine, an infectious disease service, anesthesia, and trauma are available. Additional critical care learning experiences may also be available throughout the Cleveland Clinic Health System, based on hospital and preceptor availability. The preceptors for all rotations are board-certified pharmacists in their area of specialty.

The resident will complete a medication use evaluation and an original research project, with an associated manuscript written for publication. These projects will be presented at various state and national level pharmacy and critical care professional meetings. Numerous educational and preceptor prospects are also available, including didactic teaching of midlevel providers, nursing and pharmacy staff; and precepting of PGY-1 pharmacy residents and

pharmacy students at both the IPPE and APPE level. Scientific literature evaluations will also be presented by the resident on a regular basis. Residents will also complete the Cleveland Clinic Corners of Leadership Pharmacy Residency Certificate Program.



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## Lutheran Hospital

Lutheran Hospital is a 203-bed acute-care hospital that specializes in orthopedics and spine, chronic wound care, and behavioral health. Lutheran Hospital encompasses the primary adult inpatient psychiatric units of the Cleveland Clinic Department of Psychiatry. The hospital supports medical residencies in adult psychiatry and orthopedic surgery. Lutheran Hospital has been recognized among community hospitals by receiving the Vizient Bernard A. Birnbaum, MD, Quality Leadership Award and by the Joint Commission as a Top Performer on Key Quality Measures. The Department of Pharmacy supports 24-hour pharmaceutical services. Decentralized pharmacists provide services in the emergency department, medical floors, and behavioral health units. An electronic medical record/CPOE supports pharmacy services. The department utilizes decentralized automation cabinets as its main distribution system.



## Marymount Hospital

Cleveland Clinic Marymount Hospital is a 269-bed acute care hospital located in Garfield Heights, Ohio. The hospital has served the needs of the local community since 1949 and was the first community hospital to join the Cleveland Clinic Health System. Specialties include internal medicine, cardiology, pulmonology, psychiatry, pain management, critical care, emergency medicine, orthopedics, and surgical services. Marymount received a Healthgrades Patient Safety Excellence award in 2019, and has been recognized for stroke care through Joint Commission Certification as a Primary Stroke Center and an American Heart Association/American Stroke Association Get With the Guidelines® Stroke Gold Plus Achievement award in 2020. In 2021 Marymount was endorsed by the American Nursing Credential Center as a Magnet designated hospital and granted Geriatric Emergency Department Accreditation by the American College of Emergency Physicians.

The Department of Pharmacy consists of approximately 40 members and is made up of administration, clinical pharmacy specialists, clinical pharmacists, interns, and technicians. The department is decentralized and is supported by an electronic medical record. Various types of pharmacy technology are utilized by the department and include automated dispensing cabinets, a virtual carousel, electronic inventory management, and an electronic intravenous compounding workflow management system. Pharmacy services include 24-hour code blue and stroke alert response, vancomycin and warfarin dosing management, medication review following patient falls, medication reconciliation, patient education and counseling, Emergency Department culture callback, antimicrobial stewardship, and a bedside discharge medication delivery service.



PGY 2

### Psychiatry Residency

The PGY2 Psychiatry resident will practice at Lutheran Hospital and within the Cleveland Clinic Health-System. Lutheran Hospital encompasses the primary adult inpatient psychiatric units of the Cleveland Clinic Department of Psychiatry which consists of two severe mental illness units, one mood disorder unit, one general adult psychiatry unit, one geriatric psychiatry unit, and one alcohol and drug recovery unit. Required rotations are severe mental illness I and II, mood disorders I, chemical dependency, and outpatient psychiatry. Required longitudinal rotations are research, teaching, and operations/distribution. Elective rotations include mood disorders II, severe mental illness III, child/ adolescent psychiatry, geriatric psychiatry, consultant liaison, forensics, and emergency psychiatry. All clinical experiences are in the adult inpatient setting unless otherwise noted.

The resident will complete a research project, manuscript, and present the results locally and nationally. To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. The resident has many opportunities for teaching including didactic

lectures for psychiatry residents, weekly patient education groups, staff in-services, and pharmacy student and resident preceptorship. Optional experiences include a teaching certificate and leadership certificate. The leadership certificate is a 12 month training program that focuses in 4 key areas: essentials of leadership, leading yourself, leading others, and leading the profession of pharmacy.



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PGY 1

### Pharmacy Residency

The PGY1 Pharmacy Residency is a one-year postgraduate training program that provides training in a variety of different practice areas. Required rotations are: internal medicine, ambulatory care, emergency medicine, infectious disease, critical care, psychiatry, and administration. Residents also have the opportunity to select two elective rotations amongst a wide variety of experiences such as advanced rotations in any required rotation, geriatric psychiatry, and other off-site experiences as availability permits. All required rotations are precepted by pharmacists who serve as members of our residency advisory committee. Residents who successfully complete our program will be prepared for further postgraduate training in a PGY2 residency program or take on roles with both direct patient care and operational focus.

Residents will complete a research project, manuscript, and present at professional meetings including local, state, and national conferences. Residents are required to staff every other weekend and work two holidays. Residents begin staffing in a primarily operational role, but advance to a hybrid operational and clinical role as the year progresses.

To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. Residents are also encouraged to consider optional longitudinal learning experiences including the Cleveland Clinic leadership certificate and NEOMED teaching certificate programs.



CONTACT  
 Pharmacy Residency (PGY-1) Director  
**Trevor Stump, PharmD, BCPP**  
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 Department of Pharmacy  
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 Ohio 44125  
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## Medina Hospital

Medina Hospital is a 148-bed acute-care facility serving the health care needs of Medina County since 1944. In August 2009, the hospital became affiliated with the Cleveland Clinic, becoming the ninth regional hospital in the health system. As the sole hospital located in the county, Medina Hospital offers a complete continuum of care, from preadmission testing and surgery to acute care and emergency services. Orthopedic surgeons offer a full spectrum of procedures, specializing in total joint replacements and arthroscopy. Medina Hospital is accredited as a Geriatric Emergency Department by the American College of Emergency Physicians, and designated as a Primary Stroke Center by the Joint Commission.

The Department of Pharmacy at Medina Hospital provides 24-hour service with an approximately 30-member professional staff responsible for medication use processes. The department is supported by CPOE and an electronic medical record. Automated dispensing cabinets throughout the hospital serve as the primary source of medication distribution. Pharmacists are actively involved within the emergency department, intensive care unit, antimicrobial stewardship program, and are decentralized on the general medical floors. Pharmacists also serve as pharmacy student preceptors, provide discharge counseling, review daily clinical reports, and focus on medication optimization.



## Mercy Hospital

Cleveland Clinic Mercy Hospital, a ministry of the Sisters of Charity Health System, operates a 476-bed hospital serving Stark, Carroll, Wayne, Holmes and Tuscarawas Counties and parts of Southeastern Ohio. As a Catholic health care organization, the mission at Cleveland Clinic Mercy Hospital is to continue Christ's healing ministry by providing quality, compassionate, accessible and affordable care for the whole person. Cleveland Clinic Mercy Hospital offers the area's most experienced robotic surgery center; nationally recognized heart and cancer centers; family-focused intensive care unit, and more. The hospital is a model of community health care demonstrating service excellence and providing wellness, education, and outreach to the community.

The inpatient pharmacy department is a 24-hour operation responsible for dispensing medications daily for an average census of 250 patients. The outpatient pharmacy also offers bedside delivery of patient discharge medications.



PGY 1

### Pharmacy Residency

The Medina Hospital PGY-1 residents will practice in the unique setting of a progressive community hospital. Graduates will help implement and enhance pharmacy services and develop the skills necessary to become integral to the interdisciplinary healthcare team. Required rotations are pharmacy practice/orientation, internal medicine, advanced internal medicine, medication safety/administrative practice, infectious diseases, critical care, emergency medicine, ambulatory care, and research. Residents will select two elective rotations from the following list: advanced internal medicine II, infectious disease II, critical care II, emergency medicine II, ambulatory care II, or other potential offsite rotations within the Cleveland Clinic system by request and availability. Pharmacist preceptors are available for all rotations listed.

Residents will complete a research project, manuscript, and have the opportunity to present at regional and national conferences. Additionally, residents may complete leadership and teaching certificates. Other teaching opportunities include multidisciplinary in-services, and co-precepting students from colleges of pharmacy.



Residents are required to staff three days over a three week period, and work rotating holidays. Every third weekend the resident will have off.

#### CONTACT

Pharmacy Residency (PGY-1) Director  
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### Pharmacy Residency

The PGY-1 pharmacy residents will gain experience in a variety of core pharmacy practice areas : administration, internal medicine, critical care, emergency medicine, infectious disease/stewardship, ambulatory care, medication safety, transitions of care, and research. Residents will also gain experience teaching by assisting with clinical training of pharmacy students throughout the year, along with serving as the primary preceptor for at least one pharmacy student. Residents are also highly encouraged to complete the teaching certificate program offered by Northeast Ohio Medical University (NEOMED) and/or a leadership certificate offered through Cleveland Clinic.

Residents will complete a research project, manuscript, and have the opportunity to present at regional and national conferences. To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. Residents are required to staff every other weekend, work three holidays, and participate in an on-call program.

Residents will be involved in direct patient care and clinical rounding services as applicable to the rotation. In addition, residents will be exposed to the management of a pharmacy department and gain insight into the responsibility of accepting leadership and making a



contribution back to the profession of pharmacy. Professional activities include attendance at local pharmacy organization meetings, ASHP Midyear Clinical Meeting, and regional pharmacy resident conferences.

#### CONTACT

Pharmacy Residency (PGY-1) Director  
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PGY 1

## South Pointe Hospital

Cleveland Clinic South Pointe Hospital is a 173-bed acute care community teaching hospital located in Warrensville Heights, an eastern suburb of Cleveland, Ohio. A unique aspect of South Pointe Hospital is that it serves as an extension campus for Ohio University’s Heritage College of Osteopathic Medicine. This affiliation allows collaboration between pharmacy and medical residents and students in a community hospital setting.

South Pointe Hospital is accredited by the Joint Commission and is a Certified Stroke Center. The *U.S. News & World Report* recognized South Pointe Hospital nationally in geriatrics and as high performing in achieving the highest rankings in Diabetes and Endocrinology, Nephrology, Pulmonology, and Heart Failure.

The Department of Pharmacy provides pharmacy services 24 hours per day. Decentralized pharmacy services are established on the medical-surgical floors, in the intensive care unit, in the emergency department, and in the outpatient oncology clinic. Clinical rounding services include critical care, infectious disease, and internal medicine.

Pharmacy services are integrated throughout the hospital to optimize patient care through clinical chart review, medication counseling, dosing consult services, antimicrobial stewardship, bedside delivery services, and multidisciplinary committee involvement. Pharmacists serve as student preceptors and participate in didactic teaching opportunities with the South Pointe medical residency programs.



# Florida Regional Hospitals



PGY 1

## Pharmacy Residency

The South Pointe Hospital Pharmacy Residency (PGY-1) is a one-year postgraduate training program. After completing orientation, residents will complete required learning experiences in internal medicine, infectious disease, critical care, emergency medicine, and practice management. Residents will have the opportunity for on-site elective learning experiences in ambulatory oncology and cardiology and will have the opportunity to complete off-site elective experiences at other Cleveland Clinic hospitals dependent on preceptor availability.

The resident will complete a research project, manuscript, medication use evaluation, and drug monograph over the course of the year. Residents will attend various local, regional, and/or national pharmacy conferences at the discretion of the residency committee and in accordance with travel limitations of the Cleveland Clinic. Residents will be required to complete a teaching certificate program through Northeast Ohio Medical University and are able to elect to participate in a Cleveland Clinic leadership certificate program.



### CONTACT

Pharmacy Residency (PGY-1) Director  
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## Cleveland Clinic Indian River Hospital

Founded by Garnett Radin, R.N., in 1932, Cleveland Clinic Indian River Hospital is a 332-bed, not for profit hospital offering comprehensive medical services to the Treasure Coast community. The Welsh Heart Center, Scully-Welsh Cancer Center and Scully Endoscopy Center offer full-service programs and a multidisciplinary approach. Healthcare professionals represent specialties including orthopedic services, minimally invasive vascular surgery, neurosurgery, stroke services, robotic surgery, a state-of-the-art wound healing center, bariatric surgery and the only maternity wing in the community. The hospital features all private rooms and is the largest private-sector employer in Indian River County. The Department of Pharmacy provides 24-hour service with a professional staff of approximately 27 pharmacists with 9 being board certified in their area of practice. Pharmacists are actively involved within ambulatory care, emergency services, the intensive care unit, antimicrobial stewardship, and decentralized on the general medical floors. Pharmacists also serve as pharmacy student preceptors and provide discharge counseling.

There are two PGY-1 Pharmacy Programs at Indian River Hospital. One program (program code 33850) is an accredited program with two positions. The majority of required and elective rotations occur in the inpatient setting. The other program (program code 33938) is a candidate status program with one position that meets all requirements of a PGY1 pharmacy program, but most required and elective rotations occur in the ambulatory setting. To learn more about these programs, please read the details below.

For more information about Cleveland Clinic Indian River Hospital Residency program, visit <https://www.indianrivermedicalcenter.com/about/careers/pharmacy-residency-program/>.



### Pharmacy Residency

The PGY1 residents (program code 33850) will practice in various inpatient pharmacist areas at Cleveland Clinic Indian River Hospital, including intensive care units, the emergency department, cardiology and internal medicine floors, the main pharmacy operational services and sterile preparation areas, as well as optional forays into the specialized behavioral health center for a psychiatry-pharmacy elective or the Scully-Welsh Cancer Center for an elective hematology/oncology experience, as well as ambulatory care clinics specializing in anticoagulation and chronic care management. Required learning experiences are: orientation, internal medicine, cardiology, critical care, infectious disease, emergency medicine, and ambulatory care. Residents will select two elective experiences from the following list: psychiatry-pharmacy, primary care medication management, hematology/oncology, and health-system pharmacy administration (HSPAL). Residents also have the option to select an advanced version of each required learning experience as a four-week elective for a deeper dive into that practice area. Pharmacist preceptors are available for all learning experiences listed.

Residents will complete a research project, manuscript, and present at the following venues: ASHP Midyear Clinical Meeting, and The Florida Residency Conference. Residents are required to staff every



other weekend and work three holidays. Other longitudinal learning experiences include research, education, leadership, operational pharmacy practice, and advanced operational pharmacy practice. To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. Optional Experience: teaching certificate program.

#### CONTACT

Pharmacy Residency (PGY-1) Director  
**Nikki Brooks, PharmD, BCACP, CPh**  
 Cleveland Clinic Indian River Hospital  
 Department of Pharmacy  
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### Pharmacy Residency

The PGY 1 residents (program code 33983) will practice at the Cleveland Clinic Indian River Hospital; including inpatient pharmacy services, hospital-based clinics on the main campus, as well as satellite clinics. Required rotations include: orientation, internal medicine, infectious diseases, ambulatory care orientation, ambulatory care I, ambulatory care II, and ambulatory care III. Residents will select two elective rotations, including one from the inpatient elective list and one from the ambulatory care elective list. Inpatient elective offerings are: critical care, cardiology, emergency medicine, and psychiatry-pharmacy. Ambulatory Care electives include: hematology/oncology, health-system pharmacy administration (HSPAL), ambulatory infusion services, and ambulatory care administration. Pharmacist preceptors are available for all rotations listed.

Residents will complete a research project, manuscript, and present at the following venues: ASHP Midyear Clinical Meeting and The Florida Residency Conference. Residents are required to staff every other weekend and work three holidays. Other longitudinal learning experiences include research, education, leadership, operational pharmacy practice, and advanced operational pharmacy practice.



To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. Optional Experience: teaching certificate program.

#### CONTACT

Pharmacy Residency (Ambulatory Care) (PGY-1) Director  
**Nikki Brooks, PharmD, BCACP, CPh**  
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### Cleveland Clinic Martin Health

Cleveland Clinic Martin Health is a 521-bed community-based health care organization that offers preventive, primary and acute hospital care, located in Stuart, Florida, and Port St. Lucie, Florida. Our health system is composed of 3 hospitals, a stand-alone emergency department, as well as the Robert & Carol Weissman Cancer Center, rehabilitation services, and numerous primary care clinics. Our mission is to provide exceptional health care, hope and compassion to every patient, every time.



Cleveland Clinic Martin Health offers expertise in many specialty services, including emergency medicine (over 100,000 visits annually), a level II neonatal intensive care unit, cardiovascular critical care (CVICU), medical ICU, surgical ICU, orthopedics, cardiothoracic surgery, infectious diseases, neurology, and geriatric care. Clinical services have expanded to include partnerships with Moffitt Cancer Center and Nemours Children’s Health System. Cleveland Clinic Martin Health has retained certification as a Comprehensive and Primary Stroke Center for more than 10 years, and has achieved national recognition as an Orthopaedic Specialty Center of Excellence, Joint Commission Certification in Patient Blood Management, Blue Distinction Center in Cardiac Care, Blue Distinction Center for Knee and Hip Replacement, Commission on Cancer Outstanding Achievement Award, and the Pinnacle of Excellence Award for the Martin Health Physician Group.



### Cleveland Clinic Martin North Hospital

#### Pharmacy Residency

The PGY1 residents will practice at Cleveland Clinic Martin North Hospital. The Department of Pharmacy provides comprehensive pharmacotherapeutic services throughout the health system using a decentralized staffing model. Required rotations are internal medicine, critical care, antimicrobial stewardship, emergency medicine, administration, and research. Residents will select five elective rotations from the following list: pediatrics, nephrology, inpatient oncology, outpatient oncology, infectious disease, orthopedics, medication safety, academia, internal medicine II, critical care II, and emergency medicine II.

Residents will complete a research project, manuscript, and present at the following venues: ASHP Midyear Clinical Meeting and Florida Residency Conference. Residents are required to staff one evening weekly, one weekend every three weeks, and work two holidays.

Other longitudinal learning experiences include ACLS and BLS certification, medication use evaluations, student precepting, and participation in pharmacy committees. To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. Formal teaching and leadership certificates are available for interested residents.

#### CONTACT

Pharmacy Residency (PGY-1) Director

**Jaelyn O'Connor, PharmD, BCPS**

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### Cleveland Clinic Martin South Hospital

#### Pharmacy Residency

The PGY1 residents will practice at Cleveland Clinic Martin South Hospital. The Department of Pharmacy provides comprehensive pharmacotherapeutic services throughout the health system using a decentralized staffing model. Required rotations are internal medicine, critical care, antimicrobial stewardship, emergency medicine, administration, and research. Residents will select five elective rotations from the following list: pediatrics, nephrology, inpatient oncology, outpatient oncology, infectious disease, orthopedics, medication safety, academia, internal medicine II, critical care II, and emergency medicine II.

Residents will complete a research project, manuscript, and present at the following venues: ASHP Midyear Clinical Meeting and Florida Residency Conference. Residents are required to staff one evening weekly, one weekend every three weeks, and work two holidays.

Other longitudinal learning experiences include ACLS and BLS certification, medication use evaluations, student precepting, and participation in pharmacy committees. To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. Formal teaching and leadership certificates are available for interested residents.

#### CONTACT

Pharmacy Residency (PGY-1) Director

**Alexis Dunham, PharmD, BCPS**

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### Cleveland Clinic Martin Tradition Hospital

#### Pharmacy Residency

The PGY1 residents will practice at Cleveland Clinic Tradition Hospital. The Department of Pharmacy provides comprehensive pharmacotherapeutic services throughout the health system using a decentralized staffing model. Required rotations are internal medicine, critical care, emergency medicine, antimicrobial stewardship, administration, medication safety and research. Residents will also choose four electives from the following list: pediatrics, nephrology, oncology (inpatient and outpatient), transitions of care, infectious diseases, medication safety, academia, and repeating a core rotation.

Residents will complete a research project, manuscript, and present at the following venues: ASHP Midyear Clinical Meeting and Florida Residency Conference. Residents are required to staff one evening weekly, one weekend every three weeks, and work two holidays.

Other longitudinal learning experiences include ACLS and BLS certification, medication use evaluations, student precepting, and participation in pharmacy committees. To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. Formal teaching and leadership certificates are available for interested residents.

#### CONTACT

Pharmacy Residency (PGY-1) Director

**Katelyn Woodbury, PharmD, BCPS**

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## Cleveland Clinic Weston

Cleveland Clinic Weston, located in Weston, Florida is a 205 bed, not-for-profit, multi-specialty academic medical center that integrates clinical and hospital care with research and education.

Cleveland Clinic Weston has 240 physicians with expertise in 35 specialties. The medical campus is fully integrated and includes diagnostic centers, outpatient surgery and a 24-hour emergency department located in the state-of-the-art hospital. Cleveland Clinic Weston ranked No. 1 in the Miami-Fort Lauderdale metro area and No. 5 in Florida in the 2021-2022 “Best Hospitals” rankings by U.S. News & World Report.

Cleveland Clinic Weston is an integral part of the Cleveland Clinic Health System, where providing outstanding patient care is based upon the principles of cooperation, compassion and innovation.



## Health-System Pharmacy Administration and Leadership Residency/MS

The Health System Pharmacy Administration and Leadership (PGY1 & PGY2) with Masters degree is a specialized two-year program with the primary objective of developing pharmacy leaders who are trained and prepared to immediately assume managerial positions within large, integrated healthcare delivery systems, leading to Director of Pharmacy positions. Residents will practice across our Florida health system locations from Weston to Vero Beach, Florida. Required rotations during the PGY1 year are: oncology, critical care, internal medicine, infectious diseases, ambulatory care, emergency medicine, transplant, management of pharmacy automation, management of sterile preparations, and health system practice management. Required rotations during the PGY2 year are: Advanced inpatient operations management, health system pharmacy administration, Drug information/formulary management, Pharmacy informatics, professional development and leadership, medication safety, finance/inventory management, Hem/onc service line management, ambulatory care service line management, outpatient pharmacy management, and executive health system pharmacy management. Residents will select 2 elective rotations from the following list: executive operations management, executive administration/ leadership, and controlled substance management. Pharmacist preceptors are available for all rotations listed.

Residents will complete a research project, manuscript, and present at the Florida Residency Conference. Residents are required to staff

every 3rd weekend and one evening per week. They will work two holidays over the course of each year and will be the manager on call at times during their PGY2 year. Other longitudinal learning experiences include presentations, projects, research, human resource management, and practice coverage. To assist with building research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year. During the PGY1 year, the residents will gain instruction on the provision of safe, appropriate, and cost effective use of medications across the continuum of care through the application of knowledge and skills in patient care. During the PGY2 year, residents will gain knowledge to understand, analyze, and manage the changing nature of today's complex medical delivery systems and leadership skills necessary for change management and managing the pharmacy enterprise.

### CONTACT

Health-System Pharmacy Administration and Leadership Residency Director  
**William Kernan, PharmD, MBA, FASHP**  
 Executive Director of Pharmacy  
 Cleveland Clinic Florida, Department of Pharmacy  
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PGY 1

## Pharmacy Residency

The Cleveland Clinic Weston Pharmacy Residency Program PGY 1 is a one year post graduate program located in Weston, FL. The residents required rotations are: orientation, internal medicine, infectious disease, ambulatory care, transplant I (abdominal transplant), transplant II (heart transplant/HF), medical ICU, surgical ICU, health system pharmacy leadership/management, emergency medicine, and oncology. Pharmacist preceptors are available for all rotations listed.

Residents will complete a research project, manuscript, and present at the following venues: ASHP Mid-Year/ Vizient Meeting and Florida Residency Conference. Residents are required to staff every third weekend and one night a week from 4pm-9pm and work three holidays. Other longitudinal learning experiences include practice coverage, drug information, policy development and various opportunities to precept pharmacy students, and present at medical grand rounds. To assist with building research skills, the residents will participate in the residency research curriculum that takes place



throughout the residency year. Addition required longitudinal experiences include: Cleveland Clinic Health System Leadership certificate program and Teaching certificate program through NOVA Southeastern University College of Pharmacy.

### CONTACT

Pharmacy Residency (PGY-1) Director  
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PGY 1 & 2

# Application Requirements

## PGY1 Programs:

Interested applicants must be PharmD graduates of accredited college of pharmacy, be eligible for licensure in the State of Ohio (or Florida if applicable), and submit the standard application materials through PhORCAS (i.e. Letter of Intent, CV, the 3 standard reference forms in PhORCAS, official college transcripts), along with:

1. We request a minimum of one (two is preferred) of your three references should come from a preceptor who you have worked with in a clinical setting, related to an APPE in acute or ambulatory care. The clinical preceptor should be able to comment on your scope of responsibility, total patient load, level of autonomy, clinical abilities, and organizational and time management skills. All 3 reference writers should use the standard PhORCAS template to submit their candidate recommendation.
2. A response to the following essay statement is required for acceptance. The essay response should be no longer than one page in length. An application will not be reviewed if this statement is missing. Please note that the essay is separate from your letter of intent. Reflecting on your APPE rotations, please provide a piece of critical feedback you have received from one of your preceptors on a direct patient care rotation. Explain how you have incorporated this feedback into your practice and/or worked to improve in this area.

## American Society of Hospital Pharmacists



### ASHP PURPOSE STATEMENTS:

**PGY1 PURPOSE:** PGY1 residency programs build upon Doctor of Pharmacy (PharmD) education and outcomes to develop pharmacist practitioners with knowledge, skills, and abilities as defined in the educational competency areas, goals, and objectives. Residents who successfully complete PGY1 residency programs will be skilled in diverse patient care, practice management, leadership, and education, and be prepared to provide patient care, seek board certification in pharmacotherapy (i.e., BCPS), and pursue advanced education and training opportunities including postgraduate year two (PGY2) residencies.

## PGY2 Programs:

Interested applicants must be PharmD graduates of accredited college of pharmacy, be eligible for licensure in the State of Ohio (or Florida if applicable), and submit the standard application materials through PhORCAS (i.e. Letter of Intent, CV, the 3 standard reference forms in PhORCAS, official college transcripts), along with:

1. We request a minimum of one (two is preferred) of your three references should come from a preceptor who you have worked with in a clinical setting, related to a PGY1 rotation in acute or ambulatory care. The clinical preceptor should be able to comment on your scope of responsibility, total patient load, level of autonomy, clinical abilities, and organizational and time management skills. All 3 reference writers should use the standard PhORCAS template to submit their candidate recommendation.
2. A response to the following essay statement is required for acceptance. The essay response should be no longer than one page in length. An application will not be reviewed if this statement is missing. Please note that the essay is separate from your letter of intent. Reflecting on your PGY1 residency rotations, please provide a piece of critical feedback you have received from one of your preceptors on a direct patient care rotation. Explain how you have incorporated this feedback into your practice and/or worked to improve in this area.

**PGY2 PURPOSE:** PGY2 residency programs build upon Doctor of Pharmacy (PharmD) education and PGY1 pharmacy residency training to develop pharmacist practitioners with knowledge, skills, and abilities as defined in the educational competency areas, goals, and objectives for advanced practice areas. Residents who successfully complete PGY2 residency programs are prepared for advanced patient care or other specialized positions, and board certification in the advanced practice area, if available.

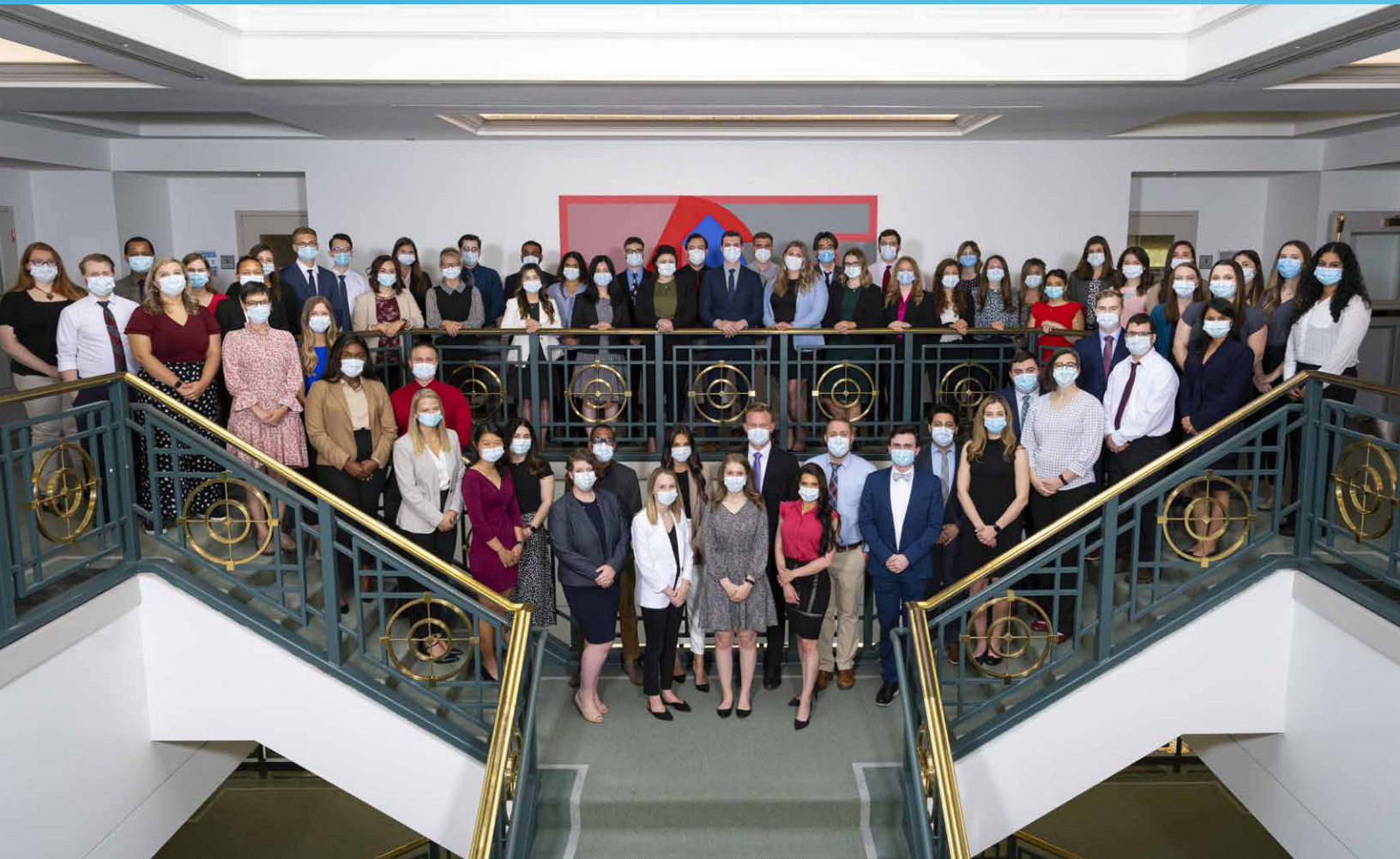
## Pharmacy Online Residency Centralized Application Service (PhORCAS)

Please submit all application materials via Pharmacy Online Residency Centralized Application Service (PhORCAS). **Deadline for receipt of these materials to be considered for an interview is January 1, 2023 by 11:59 PM.** For the PGY-2 residency programs (Ambulatory Care, Cardiology, Critical Care, Emergency Medicine, Infectious Diseases, Informatics, Internal Medicine, Investigational Drugs and Research, Medication-Use Safety and Policy, Oncology, Pediatrics, Pharmacogenomics, Psychiatry, and Solid Organ Transplant), a Pharmacy (PGY-1) Residency is required.

Cleveland Clinic Health-System Residency sites agree that no person at these sites will solicit, accept, or use any ranking-related information from any residency applicant.

- NOTE:
1. Residency applicants must be authorized for employment in the United States at the time they apply for the residency. Cleveland Clinic Pharmacy does not sponsor applicants for work Visas.
  2. Unfortunately, we cannot accommodate OPT (Optional Practical Training) Visas for the Cleveland Clinic Pharmacy Residency Program as the program extends beyond 12 months. TN (Trade NAFTA) Visas are acceptable, however the candidate is responsible for the application process and all necessary fees. Cleveland Clinic cannot extend the candidate an employment letter until the candidate has matched with the Cleveland Clinic program and signed an acceptance letter. Any employment letter will state the length of the program (12 months if PGY1 or PGY2, 24 months if HSPAL or Pharmacotherapy).
  3. Graduates of international pharmacy schools will be considered if they meet the ASHP criteria for application to residency ("Applicants to pharmacy residencies must be graduates or candidates for graduation of an Accreditation Council for Pharmacy Education (ACPE) accredited degree program (or one in process of pursuing accreditation) or have a Foreign Pharmacy Graduate Equivalency Committee (FPGEC) certificate from the National Association of Boards of Pharmacy (NABP). At a minimum, the program must be a five-year pharmacy degree program").
  4. Appointments of applicants to residency positions may be contingent upon the applicants satisfying certain eligibility requirements [e.g., graduating from accredited college of pharmacy, obtaining pharmacist license in Ohio (for Ohio sites) or Florida (for Florida sites) within 90 days of start date, and successful completion of a pre-employment physical and drug screen, including testing for cotinine and attendance of an onboarding appointment on site at main campus, or as otherwise directed by Occupational health].
  5. Cleveland Clinic requires all employees to demonstrate proof of full COVID-19 Vaccination subject to approved medical or religious exemptions.

<https://my.clevelandclinic.org/departments/pharmacy/education/residency-programs>



All COVID-19 required precautions were followed at the time of these photographs

<https://my.clevelandclinic.org/departments/pharmacy/education/residency-programs>