Cleveland Clinic

Pharmacy Residency Programs



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Postgraduate Training Programs

Cleveland Clinic is a nonprofit, multispecialty academic medical center that is recognized in the U.S. and throughout the world for its expertise and care. The health system comprises a main campus medical center in Cleveland and 23 additional hospitals, including five in Southeast Florida. In total, there are over 1,800 pharmacy employees, 26 ambulatory pharmacies, significant inpatient and outpatient clinical services and a pharmacy budget exceeding $2 billion.

At the main campus, we offer seventeen PGY-1 and PGY-2 pharmacy residency programs, and at our regional hospitals (Florida and Ohio), we offer fourteen PGY-1 programs, one PGY-1/2 Health- System Pharmacy Administration program, two PGY-2 Critical Care programs, three PGY-2 Emergency Medicine programs, and one PGY-2 Ambulatory Care program.

Residency Overview

Our residency programs provide education and training with a primary emphasis on the development of skills in specialized pharmacy practice areas. Throughout the year, residents are involved in 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. 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. PGY-1 residents attend the ASHP Midyear Clinical Meeting, a residency conference, and have the opportunity to attend and participate in other state and local conferences. PGY-2 residents attend a specialty conference within their practice area and have the opportunity to attend and participate in other state and local conferences.

Residents may elect to enhance their leadership skills through the longitudinal completion of ASHP's Pharmacy Leadership Certificate: Management Basics course.

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

Our Commitment to Culture and Experience

Cleveland Clinic is committed to creating a welcoming and supportive work environment for all caregivers, valuing all people throughout our organization, regardless of background or culture. We foster a culture that values perspectives from our caregivers and students in order to achieve the best outcomes and it is essential to fulfill our vision to be the best place for care anywhere and the best place to work in healthcare.

Our Commitment to Fostering a Healthy Environment

We empower pharmacy practitioners to minimize the environmental impacts of healthcare while optimizing patient outcomes and supporting the many communities we call home. The Department of Pharmacy has a Greening the Pharmacy initiative with the goal of leading by example and acting as stewards of our precious natural resources for the wellbeing of all.



Cleveland Clinic Main Campus

Cleveland Clinic's main campus houses inpatient, outpatient, research, administrative, educational, and lodging facilities located on 173 acres near downtown Cleveland and University Circle. The complex includes hospitals providing adult and pediatric care and buildings dedicated to specialized clinical and surgical services for patients, as well as the Health Education Campus of Case Western Reserve University and Cleveland Clinic, where medical, nursing, and dental students train. Current main campus growth projects include a new 1 million-square-foot building that consolidates inpatient and outpatient neurological care; an expansion and renovation of the Cole Eye Institute; new research towers and construction of new labs in the Lerner Research Institute; and the recent installation of the nation's first quantum computer devoted to healthcare research in the Cleveland Clinic-IBM Discovery Accelerator.

MAIN CAMPUS RESIDENTS

PGY 1



PGY 2



Pharmacy Residency

PGY 1

PGY1 Pharmacy residents will practice at Cleveland Clinic main campus. Required rotations are: Internal Medicine 1, Practice Management 1, Drug Information, Medication Safety, and Critical Care 1. Residents will select one ambulatory care selective required rotation* plus 5 elective rotations from the following list: Ambulatory Care*, Cardiology, Cardiology Ambulatory*, Critical Care 2, Emergency Medicine, Infectious Diseases, Infectious Diseases Ambulatory*, Informatics and Automation, Internal Medicine 2, Neurology, Neurology Ambulatory*, Oncology, Oncology Ambulatory*, General Pediatrics, Pediatrics Subspecialty, Pharmacogenomics, Practice Management 2, Psychiatry, Solid Organ Transplant, Solid Organ Transplant Ambulatory*, and Specialty Pharmacy. Pharmacist preceptors are available for all rotations listed.

Residents will complete a large research project and manuscript and present at internal and external venues. Residents will complete an additional small research project (i.e. medication use evaluation) and present at an internal venue. Residents are required to staff 19 weekends per year, work two Cleveland Clinic-recognized holidays, and participate in an on-call program. Residents are required to give department-wide presentations, including a formal 60-minute seminar presentation.

To assist with building research skills, the residents will participate in a research curriculum that takes place throughout the year. Additional research resources include a staff statistician, statistical software, and grant funding through the department of pharmacy. Residents also participate in a longitudinal pharmacy emergency response curriculum.

CONTACT

Pharmacy Residency (PGY-1) Director
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Community-Based Pharmacy Residency

PGY 1

PGY1 Community-Based residents will practice within the Cleveland Clinic Health System including regional and main campus Cleveland Clinic ambulatory pharmacies, ambulatory care clinics, specialty pharmacy, and the employee health plan. Required rotations are Community Practice, Practice Advancement & Leadership, Anticoagulation, Primary Care, Specialty Pharmacy, Employee Health Plan, HIV Clinic, Teaching and Education, and Transitional Care Management. Residents will select one elective, clinic-based rotation from the following list: Diabetes/Endocrinology, Inflammatory Bowel Disease (Gastroenterology), Geriatrics, Regional Oncology, Rheumatology, or Travel Medicine. Pharmacist preceptors are available for all rotations.

Residents will complete a teaching certificate program through Northeast Ohio Medical University (NEOMED) College of Pharmacy. Residents are required to complete a large project and manuscript, write a business plan, complete and present a small project, and write or update a drug class review, monograph, treatment protocol, utilization management criteria, or order set. Residents will present internally at resident conferences, ambulatory care monthly, and at an external meeting. Residents staff every third Saturday from September through June and are assigned to work two Cleveland Clinic-recognized holidays. Additionally, residents must complete four community service activities.

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

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Community-Based Pharmacy Residency Director
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PGY 1

Community-Based Pharmacy Residency (Specialty)

The PGY1 Community-Based Pharmacy Resident will practice at Cleveland Clinic Specialty Pharmacy on the administrative campus of Cleveland Clinic within the care coordination center (CCC), as well as select regional and main campus Cleveland Clinic ambulatory care clinics. Required rotations include Orientation, Care Coordination Center (CCC) 1/2/3 (disease states including: autoimmune/ inflammatory, cardiology, hematology, hepatology, HIV, neurology, oncology, and osteoporosis), and Ambulatory Care Clinics 1/2/3, where the resident will have an opportunity to choose from 3 different clinics (Gastroenterology, Hepatitis C, HIV and HIV PrEP, Neurology, Regional Oncology, and Rheumatology). Other required longitudinal rotations that are longitudinal include: Patient Centered Dispensing, Practice Management, Projects, and Teaching and Education. The residents will complete a teaching certificate program through Northeast Ohio Medical University (NEOMED). Pharmacist preceptors are available for all rotations listed.

Residents will complete a research project and manuscript, business plan for a new or enhanced service, and a collaborative practice agreement, standing order, or state-based protocol. Residents will present at the following venues: resident conference, ambulatory care conference, administrative campus pharmacy service line topic discussion series, and at an external meeting.

Residents are required to staff in a blocked fashion through the care coordination center learning experiences (4 days per week for 1 week at midpoint and 2 weeks at the end of the learning experience) and participate in the on-call program every month for a week in the second half of the residency year. Each resident will be scheduled for on-call duty during one week that includes a major holiday (e.g., Christmas, New Year's Eve, or Memorial Day). Residents must complete 4 community health activities or events.

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.

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PGY 1 & 2

Health-System Pharmacy Administration and Leadership Residency/MS

The PGY -1/PGY-2 Pharmacy Administration and Leadership residency with MS in Pharmacy Leadership (offered through the University of North Carolina Eshelman School of Pharmacy) is a two-year program within the Cleveland Clinic Health System. The PGY-1-year mirrors the PGY-1 Pharmacy residency program at Cleveland Clinic main campus in terms of required and elective rotations as well as staffing requirements. PGY-1 residents will have an additional Practice Management rotation to gain a firm understanding of pharmacy operations in our main pharmacy and sterile products areas. During the PGY-2 year, residents will complete the following required rotations: Advanced Operations and Leadership, Advanced Operations Management, Formulary Management, Health System Pharmacy Admin, Informatics, Leadership and Professional Development, Medication Safety, and Supply Chain Management. Residents will also select from either Ambulatory, Pop Health, or Specialty. 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.

Elective rotations are offered in 340B/Purchasing/Productivity, Ambulatory Pharmacy Management, Automation and Technology, Controlled Substance Management, Investigational Drug Services, Professional Development/Advocacy, Specialty Pharmacy, and Population Health/Transitions of Care. Residents will complete a research project during both their PGY1 and PGY2 years and develop a supporting manuscript with each project. The PGY2 project also doubles as a requirement for a capstone project associated with the master's degree. To build research skills, the residents will participate in the residency research curriculum that takes place throughout the residency year.

CONTACT

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PGY 1 & 2

Pharmacotherapy Residency

The PGY1/2 Pharmacotherapy residency is a 24-month program at Cleveland Clinic Main Campus. The PGY1 year mirrors the PGY1 Pharmacy Residency Program in terms of required and elective rotations, with the unique approach of implementing two-to-three-month clinical blocks to allow for deep-dive learning and continuity of learning. The PGY2 year is designed with specialized clinical blocks including Internal Medicine, Critical Care, and Hematology/Oncology, to build and enhance skills learned during the resident's first year, in addition to a longitudinal ambulatory care experience. The PGY1/2 Pharmacotherapy Program is designed for clinical breadth and depth, providing the comprehensive disease-state exposure and rigor necessary to develop adaptable pharmacists ready to lead and succeed in any role across the continuum of care.

Residents will complete a research project, manuscript, and present their research at an external venue. Residents are required to staff 19 weekends during their first year and 15 weekends during their second year, work two Cleveland Clinic-recognized holidays per year, and participate in an on-call program.

To assist with building research skills, the residents will participate in a research curriculum that takes place throughout the year. Additional research resources include a staff statistician, statistical software, and grant funding through the department of pharmacy. Residents also participate in a longitudinal pharmacy emergency response curriculum.

CONTACT

Pharmacotherapy Residency Director
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PGY 2

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 include primary care, advanced practice primary care, anticoagulation, advanced practice anticoagulation, pharmacy administration, diabetes, geriatrics, heart failure/heart transplant, outpatient infectious disease. Residents will select 2 elective rotations from the following list: advanced practice diabetes, gastroenterology, managed care, pharmacogenomics, pharmacy leadership and strategic planning, pulmonary, rheumatology, specialty pharmacy, transplant. Pending performance and interest, residents may opt-in to complete the elective longitudinal independent practice rotation. The independent practice rotation is not required for residency completion. Pharmacist preceptors are available for all rotations listed.

Additionally, direct patient care rotations have embedded pharmacists within the specialty outpatient practices. **Staffing is not required for residency completion.**

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 through ASHP.

CONTACT

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PGY 2

Cardiology Residency

The PGY2 Cardiology resident will practice within the Heart, Vascular and Thoracic Institute at Cleveland Clinic main campus. Required rotations are orientation, clinical cardiology, coronary ICU (2 months), advanced heart failure/heart transplant, heart failure ICU, heart failure ambulatory clinic, cardiac surgery ICU, mechanical circulatory support/heart and lung transplant surgery ICU, and valvular/aortic/pericardial disease. Areas of emphasis include acute coronary syndromes, anticoagulation, cardiac acute and critical care, electrophysiology, heart failure/transplant, and mechanical circulatory support. Residents can select at least one elective rotation such as emergency medicine, neuro ICU, pediatric cardiology, vascular medicine, or additional rotation in any of the required rotations. Other longitudinal learning experiences include an emergency response curriculum and various committees.

Residents will complete a research project, drug use evaluation/ quality improvement project, drug class review, and a manuscript. To assist with building research skills, the residents will participate in research curriculum throughout the year. Additional research resources include a staff statistician, statistical software, and grant funding through the department of pharmacy.

There are opportunities to present in the following settings: resident conference, APPE student lecture series, Cardiology Late Breaking journal club, and critical care conference. Residents will participate in the on-call program (including emergency stroke response), staff on 15 weekends (30 eight-hour shifts), and work two Cleveland Clinic-recognized holidays.

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PGY 2

Critical Care Residency

The PGY2 Critical Care residents will practice at Cleveland Clinic main campus with an opportunity for an elective off-site trauma rotation within the Cleveland Clinic Health System. Required rotations are: orientation, medical, surgical, cardiovascular, cardiac, and neurosciences intensive care units (ICU). Residents will select several elective rotations from the following list: clinical teaching, emergency medicine, heart failure ICU, infectious disease, pediatric ICU, medical intensive liver unit, oncology, transplant surgical ICU, trauma, and an additional rotation in any of the required ICUs. Pharmacist preceptors are available for all rotations listed.

Residents will complete a research project, drug use evaluation/small project, manuscript, drug monograph, and present at the following venues: resident conference and critical care conference. Residents are required to staff 15 weekends per year, two Cleveland Clinic-recognized holidays, and participate in the on-call program. Other longitudinal learning experiences include emergency response and committees and leadership.

Experience in a post-ICU recovery clinic is optional. To assist with building research skills, the residents will participate in research curriculum that takes place throughout the year. Additional research resources include: staff statistician, statistical software, and grant funding through the department 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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PGY 2

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 and an offsite toxicology rotation. Required rotations include two Emergency Medicine Core rotations, a Trauma Emergency Medicine rotation, a Medical ICU rotation, a Neurosciences ICU rotation, a Pediatric ICU rotation, a Concentrated Toxicology rotation, an Advanced Emergency Medicine rotation, and four weeks of elective rotations.

Residents will have the opportunity to select at least one elective rotation such as: Pediatric Emergency Medicine, Coronary ICU, Solid Organ Transplant, Infectious Diseases, Cardiothoracic ICU, or Immunocompromised ID. Residents will complete a large project (research), a small project, a manuscript, a drug monograph, and present at several venues including resident conference, emergency medicine journal club, ED nursing orientation, and an external conference.

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

Residents are required to staff 15 weekends and two Cleveland Clinic-recognized holidays per year and participate in an onsite resident on-call program.

CONTACT

Emergency Medicine Residency (PGY-2) Director
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PGY 2

Infectious Diseases Residency

The PGY2 Infectious Diseases Residency is a one-year training program within the Cleveland Clinic Health System. The residency is focused on direct patient care through infectious diseases consult services and clinic, antimicrobial stewardship, practice management, and education. Required concentrated rotations are Orientation, 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, Leadership & Formulary Management, Research, and Education/ Presentations. Residents will complete 10 weeks of elective rotations and may choose from a variety experiences including: Community ID Practice, Intensive Care Unit ID, Advanced ID Consults, Outpatient Parenteral Antimicrobial Therapy, Travel Medicine, and Public Health. Pharmacist preceptors are available for all rotations listed.

Residents will complete a research project, a quality assurance/quality improvement project, a manuscript, one treatment guideline or protocol, a drug monograph and present at the following venues: resident conference, ID Monthly, APPE student lecture series, and the Making a Difference in Infectious Diseases (MAD-ID) conference. To assist with building research skills, the residents will participate in 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 are required to staff 15 weekends and two Cleveland Clinic-recognized holidays per year and participate in an on-call program.

CONTACT

Infectious Diseases Residency (PGY-2) Director
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PGY 2

Internal Medicine Residency

The PGY2 Internal Medicine resident will practice at Cleveland Clinic main campus. Required rotations include Advanced Internal Medicine 1, Advanced Internal Medicine 2, Advanced Internal Medicine 3, Hepatology, Nephrology, and Pulmonary Medicine. Additionally, Infectious Diseases and Critical Care will be required if not completed as a PGY-1 resident. Residents will select four elective rotations from the following: Ambulatory Care, Clinical Cardiology, Critical Care, Drug Info/Med Safety, Emergency Medicine, Infectious Diseases, Neurology, Outpatient Pulmonology, and Transplant. Pharmacist preceptors are available for all rotations listed.

Residents will complete a research project, a small project, a manuscript, and present at the following venues: Resident Conference, Internal Medicine Conference, and the APPE student lecture series. Residents are required to staff 15 weekends per year, work two Cleveland Clinic- recognized holidays, and participate in an on-call program.

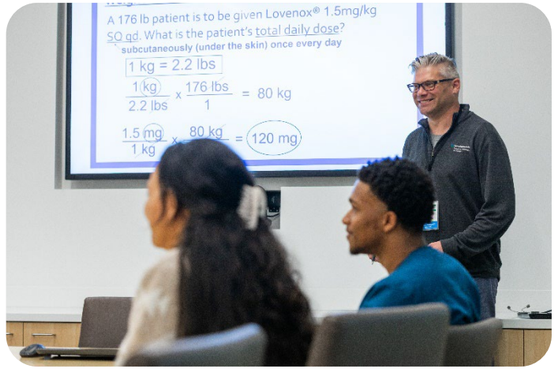
Other longitudinal learning experiences include student precepting and participation in a Pharmacy and Therapeutics Committee. To assist with building research skills, the residents will participate in the research curriculum that takes place throughout the year. Additional research resources include a staff statistician, statistical software, and grant funding through the department of pharmacy.

CONTACT

Internal Medicine Residency (PGY-2) Director
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PGY 2

Neurology Residency

The PGY2 Neurology resident will practice at Cleveland Clinic main campus with an opportunity for elective off-site rotations within the Cleveland Clinic Health System. The residency is focused on direct patient care through required rotations including Stroke Neurology, General Neurology, Neurosurgery, Neurosciences ICU, Inpatient Epilepsy, and Ambulatory Multispecialty Neurology Clinic. Residents will have a variety of elective rotations to choose from including Trauma ICU, Neurosciences ID Consults, Inpatient Psychiatry, Emergency Medicine, Neurology Specialty Pharmacy, and Neurology Practice Management. This program will be customizable to the residents' goals and interests.

The resident will complete a research project, drug use evaluation/quality improvement project, manuscript, and drug monograph. To support building the resident's research skills, the resident will participate in a 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. The resident will have opportunities to provide formal presentations at resident conference and neurology pharmacy conference. The resident will partake in the on-call program, clinical staffing (15 weekends), and work two Cleveland Clinic recognized holidays. Additional longitudinal learning experiences include leadership, inpatient stroke response, and participation in hospital committees.

CONTACT

Neurology Residency (PGY-2) Director
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PGY 2

Oncology Residency

The PGY2 Oncology resident will practice at Cleveland Clinic Main Campus. Required patient care experiences include orientation and inpatient leukemia, bone marrow transplant, pediatric hematology and oncology, lymphoma and myeloma, cellular therapies and gynecology oncology; required outpatient experiences include a variety of solid tumor oncology (breast, lung, GI, GU and melanoma) as well as bone marrow transplant and lymphoma. Required non-direct patient care experiences include oncology leadership and formulary management, chemotherapy operations and investigational drug services, research/quality improvement project, oncology weekly/presentation, and on-call. Elective rotations include outpatient leukemia and myeloma, inpatient solid tumor oncology, oncology informatics, and many others.

Residents will complete a research project, medication-use evaluation, drug monograph, and chemotherapy protocol validations. Residents will present at resident conference and oncology weekly.

To build research skills, the residents will participate in research curriculum that takes place throughout the year. Research resources include a staff statistician, statistical software, and grant funding through the department of pharmacy.

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

CONTACT

Oncology Residency (PGY-2) Director
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PGY 2

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 pediatric hospital on the Cleveland Clinic main campus.

PGY-2 Pediatric 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, residents 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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PGY 2

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 that utilizes a consult agreement to allow pharmacists to initiate pharmacogenomics testing, provide interpretations and pharmacogenomics-based recommendations.

Required rotations are clinical pharmacogenomics 1-4, ambulatory care clinic, ambulatory care specialty clinic, and drug information center. Elective opportunities are available in specialty-focused areas including oncology, pediatrics, pharmacy informatics, psychiatry and transplant. Pharmacist preceptors are available for all rotations listed. Residents will complete a research project, a medication-use evaluation or quality improvement project, manuscript, a drug monograph and present at the 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 two Cleveland Clinic-recognized holidays, and participate in an on-call program. To assist with building research skills, the residents will participate in research curriculum that takes place throughout the year. Additional research resources include a staff statistician, statistical software, and grant funding through the Department of Pharmacy.

CONTACT

Clinical Pharmacogenomics Residency (PGY-2) Director
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Pharmacy Informatics Residency

PGY 2

The PGY2 Pharmacy Informatics residency offers the opportunity to practice supporting medication use technologies across the Cleveland Clinic Health System. Required rotations include 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.

Residents 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. Residents 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 resident conference and the APPE student lecture series.

To assist with building research skills, the residents will participate in research curriculum that takes place throughout the year. Additional research resources include a staff statistician, statistical software, and grant funding through the department 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.

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PGY 2

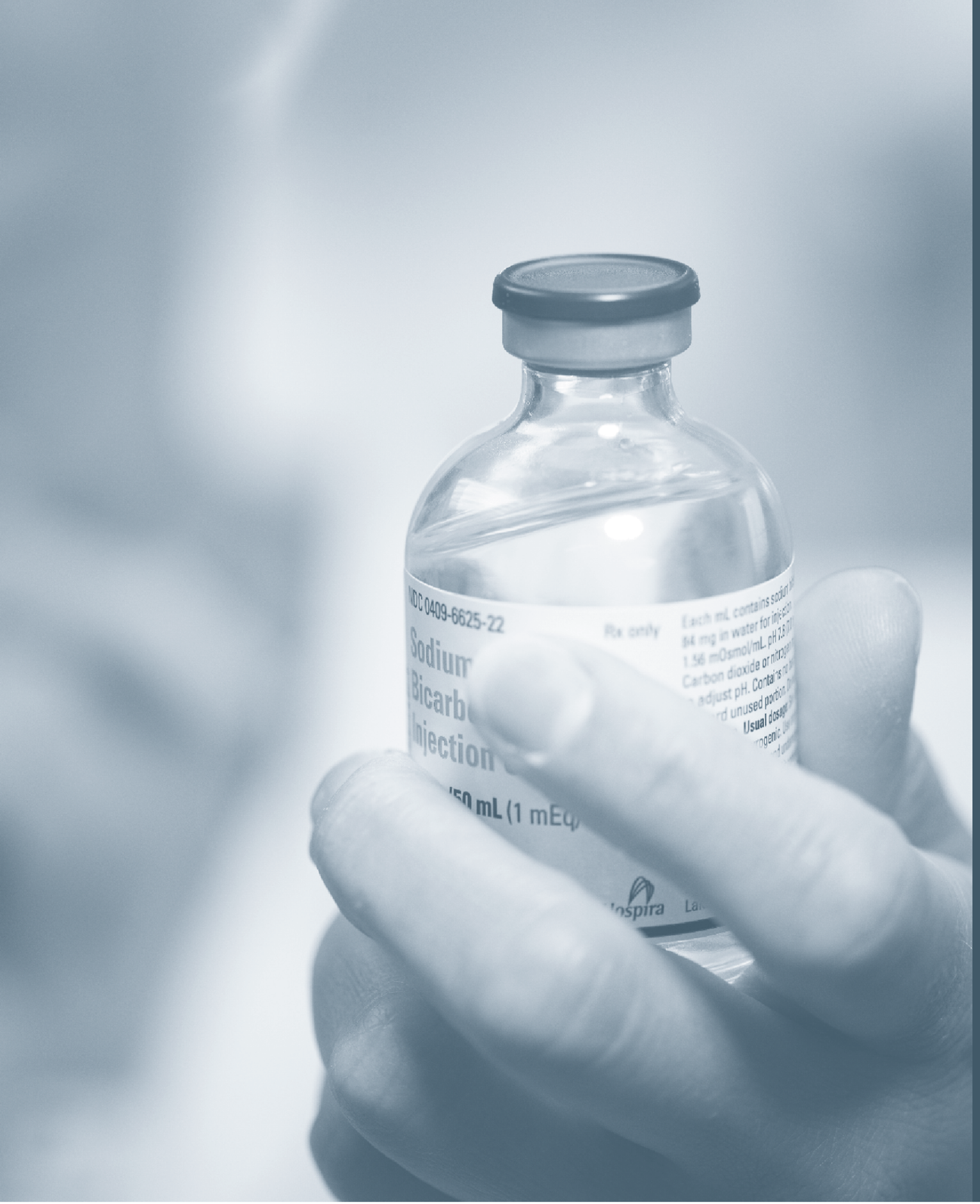
Solid Organ Transplant Residency

The PGY2 Solid Organ Transplant residency is a one-year training program and residents 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 pediatric transplant, intestinal transplant, cardio-thoracic ICU, surgical ICU, and medical ICU. Pharmacist preceptors are available for all rotations listed.

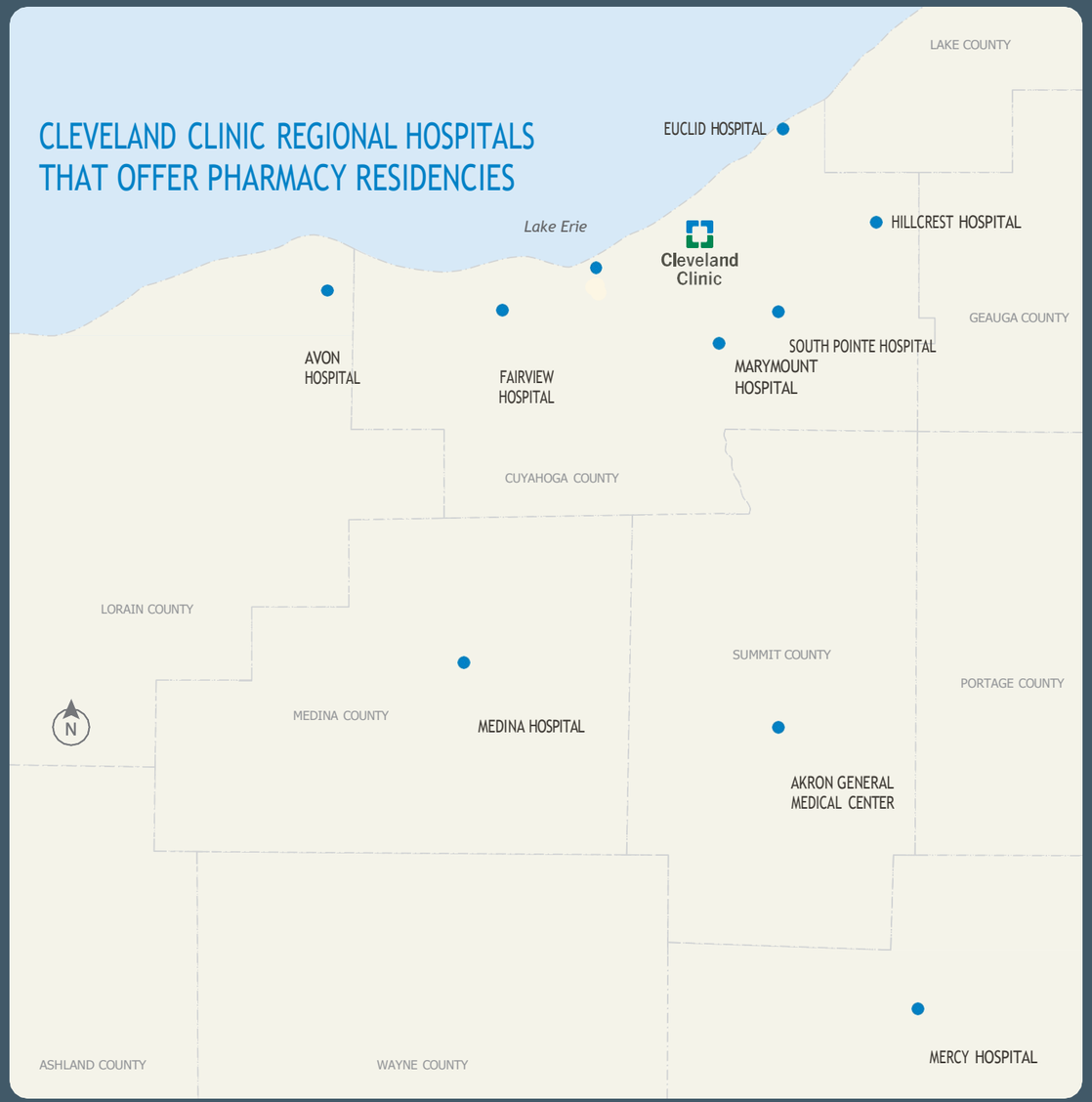
Residents will complete a research project, a drug-use evaluation/quality improvement project, manuscript, drug monograph, and present at resident conference, quarterly transplant journal club, and APPE student lecture series. Residents are required to staff 15 weekends per year, work two Cleveland Clinic-recognized holidays, and participate in an on-call program. To assist with building research skills, the residents will participate in research curriculum that takes place throughout the year. Additional research resources include a staff statistician, statistical software, and grant funding through the department of pharmacy.

CONTACT

Solid Organ Transplant Residency (PGY-2) Director
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Ohio Regional Hospitals



Ohio Regional – Akron General

CLEVELAND CLINIC AKRON GENERAL

Cleveland Clinic Akron General is a 532-bed adult, tertiary care, Level I trauma center that has been serving Akron and surrounding communities for more than 100 years. Akron General has regional referral centers in Cardiology, Cancer, and Orthopedics. As a major teaching hospital, Akron General trains future physicians and pharmacists through 15 high-quality medical and pharmacy residency programs.

The Department of Pharmacy at 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, Cleveland Clinic Hospice Care Center, Ambulatory Care Centers, Lodi Community Hospital, and three free-standing emergency departments and infusion centers. Patient care areas at 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. The pharmacy is very involved in teaching, serving as an Advanced and Introductory Pharmacy Practice Experience training site for several colleges of pharmacy.



PGY 1

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 three elective rotations from the 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.

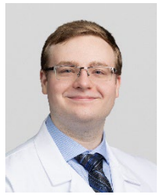
Residents will complete a research project, manuscript, and present at a variety of internal and external venues. Residents are required to staff every other weekend (Saturday and Sunday) and three recognized holidays.

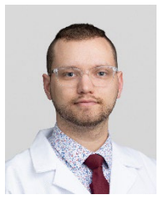
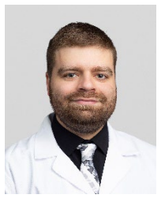
Other longitudinal learning experiences include Practice Management, Medication Safety, Medication Policy, Service, presentations at education conferences, Morbidity and Mortality conference, participation in hospital committees and pharmacy student education. To assist with building research skills, the residents will participate in research curriculum that takes place throughout the year. Optional experience: Residents can choose to complete a teaching certificate program through Northeast Ohio Medical University.

CONTACT

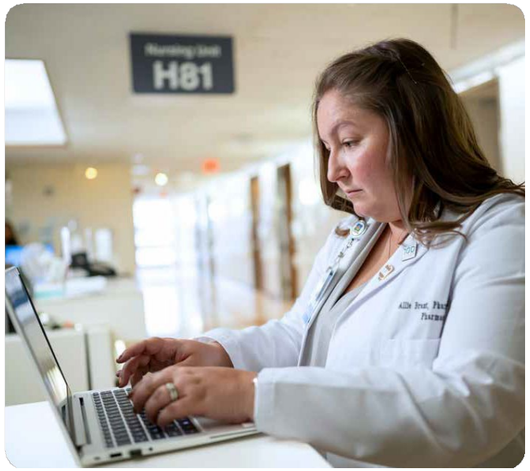
Pharmacy Residency (PGY-1) Director
Millicynth Talagtag, RN-BSN, PharmD, BCPS
Cleveland Clinic Akron General
Department of Pharmacy
1 Akron General Ave., Akron, Ohio 44307
email: talagtm2@ccf.org

ashp Accredited





PGY 1 & 2

Health-System Pharmacy Administration and Leadership Residency/MS

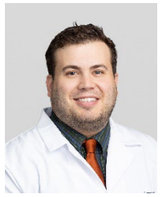
Upon completion of the 24-month combined Pharmacy Residency Program in Health-System Pharmacy Administration and Leadership (HSPAL) with a Master of Science Degree or PGY2 HSPAL at Cleveland Clinic Akron General, residents will possess competence in administrative, financial, medication safety, and leadership, enabling them to manage complex health-system pharmacy departments. Residents completing their PGY2 Year (as part of the combined PGY1/PGY2 MS Program) of the HSPAL residency at Akron General will be trained to begin their careers in a wide variety of managerial positions.

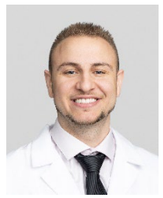
During the first year residents will complete all the same requirements as the PGY1 pharmacy residency, allowing the resident to gain a solid clinical foundation and prepare them to sit for board certification in their second year. Electives in their PGY1 year can be used to gain leadership experience but may also be used to further develop clinical excellence.

In the PGY2 year of the HSPAL residency (both programs), residents will become a member of the pharmacy management team, gaining skills in pharmacy leadership, pharmacy enterprise leadership, medication safety, clinical pharmacy operations, pharmacy operations, 340B, procurement, and support services. The HSPAL resident will also have required rotations in the Cleveland Clinic Health System to gain diverse experience of leadership at all different levels within the pharmacy enterprise. The HSPAL resident will serve as Chief Pharmacy Resident in their PGY2 year to 10 pharmacy residents and be our representative on the GME advisory board at CCAG.

CONTACT

Pharmacy Residency (PGY-1) Director
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Critical Care Residency

PGY 2

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.

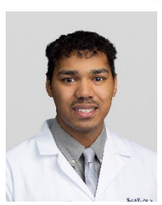
Required rotations include Cardiovascular Intensive Care, Medical Intensive Care, Neuroscience Intensive Care, Trauma/Surgical Intensive Care, and Emergency Medicine. Three months are available for elective rotations. Options for these include Infectious Diseases, Nephrology, Nutrition, Opioid Stewardship, OR/Anesthesiology, one main campus elective, and other on-site and external electives. Residents will have the opportunity to precept pharmacy students and/or PGY1 pharmacy residents, with one month designated as a Preceptorship rotation. An optional teaching certificate is offered by Northeast Ohio Medical University.

Residents will work every third weekend throughout the year, rounding with the MICU service. Residents will complete an original research project and manuscript and will present at a variety of internal and external venues.

Residents will have longitudinal responsibilities including a process improvement project, residency committee involvement, and patient care committee involvement. The residency program also supports 2 hours of protected didactic time every other week, during which preceptors and residents will present various presentations throughout the year.

CONTACT

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

PGY 2

The PGY2 Emergency Medicine resident will practice in a 60-bed emergency department that provides care to more than 70,000 patients annually and serves as a Level 1 adult trauma center, thrombectomy-capable stroke center, and PCI-capable chest pain referral center. The PGY2 resident will collaborate with the interdisciplinary team in direct patient care with the goal of providing optimal patient-centered medication therapy. The program consists of seven required Emergency Medicine rotations (Team-Based Care, Populations, Critical Illness, Pediatric/Neonatal, Rural/Community, Toxicology, and Advanced Practice) and two required Critical Care rotations (Critical Care I, ED-to-ICU Transitions of Care).

The resident may select up to three electives (12 weeks) from Antimicrobial Stewardship/Infectious Diseases, Behavioral Health, Critical Care (medical, surgical, neuroscience, cardiovascular), Hematology/Oncology, and Trauma/Burn (at Metro-Health). Pharmacist preceptors are available for all rotations listed.

Extensive teaching opportunities are incorporated throughout the year, including pharmacy student and resident precepting, continuing education presentations, multidisciplinary didactic lectures, and classroom based teaching through collaboration with local Colleges of Pharmacy

Residents are required to staff every third weekend and will work three Cleveland Clinic-recognized holidays. Other longitudinal learning experiences include Leadership/Professional Engagement, Prehospital Practice/Emergency Medical Services, Medication Safety, Research, Wilderness Medicine and Teaching/Precepting. To assist with building research skills, the resident may participate in a research curriculum that takes place throughout the year. Additional research resources include a research scientist and statistician, REDCap, and STATA. Optional experience: leadership certificate through Cleveland Clinic Main Campus.

CONTACT

Emergency Medicine Residency (PGY-2) Director
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Ohio Regional – Avon Hospital

CLEVELAND CLINIC AVON HOSPITAL



Cleveland Clinic Avon Hospital opened in November 2016, adjacent to the Richard E. Jacobs Health Center in the Cleveland suburb of Avon. 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 received Level 2 Geriatric Emergency Department Accreditation by The American College of Emergency Physicians in 2021. Avon Hospital has demonstrated a consistent focus on patient safety, receiving a "Straight A" Leapfrog Safety Grade in addition to Healthgrades Patient Safety Excellence Awards. Avon Hospital has also been awarded the Healthgrades Outstanding Patient Experience Award for several years making it one of only a handful of hospitals to hold both honors simultaneously.

The Department of Pharmacy consists of approximately 34 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 using 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. Post-discharge pharmaceutical services continue at the Richard E. Jacobs Health Center. There, patients can use the prescription bedside delivery service or the outpatient pharmacy. They can 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.

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 education and outcomes to contribute to the development of clinical pharmacists responsible for medication-related care of patients with a wide range of conditions. Residents will be eligible for board certification and 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. Residents 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 residents will have every-other weekend staffing and clinical responsibilities and will develop leadership skills through a practice management experience and hospital committee involvement.

Residents 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. Research experience will be gained through completion of a major research project, and residents will have the opportunity to present their research on a regional and national level.

CONTACT

Pharmacy Residency (PGY-1) Director

Carl Buchwald, RPh, PharmD, BCPS

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Ohio Regional – Euclid Hospital

CLEVELAND CLINIC EUCLID HOSPITAL



Cleveland Clinic Euclid Hospital is a 168-bed acute care community hospital located on 17 acres along Lake Erie's shoreline. Euclid provides 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 is provides decentralized pharmacist services in the Emergency Department, medical, 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 pharmacy consult agreements, patient counseling, medication reconciliation, and drug optimization. Pharmacy consult agreements include pharmacy to dose vancomycin, warfarin, ED culture callbacks, renal dose optimization, and medication route of administration conversion.

PGY
1

Pharmacy Practice Residency

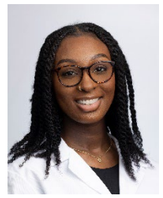
The Euclid Hospital Pharmacy Residency (PGY-1) is a one-year postgraduate training program based in a community hospital practice setting within the Cleveland Clinic Health System. Residents will gain experience in developing patient-specific medication treatments, monitoring plans, and providing education to patients and healthcare professionals. The residency offers required learning experiences in critical care, emergency medicine, internal medicine, infectious disease, ambulatory care, unit-based, and pharmacy practice management. Residents will select three electives based on the resident's interests and needs or an advanced month of a required learning experience. Pharmacist preceptors are available for all rotations listed.

Residents will complete a research project, manuscript, and present at local and national conferences virtually or in person. To assist with building research skills, the residents will participate in research curriculum that takes place throughout the year.

The program includes teaching/precepting opportunities for pharmacy students and didactic teaching in coordination with NEOMED's teaching certificate.

CONTACT

Pharmacy Residency (PGY-1) Director
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Ohio Regional – Fairview Hospital

CLEVELAND CLINIC FAIRVIEW HOSPITAL

Cleveland Clinic Fairview Hospital is a 488-bed community teaching hospital. Fairview Hospital supports medical residencies in internal medicine, surgery and family practice. It 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. The Department of Pharmacy consists of 113 staff members and provides 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, intensive care units, the Emergency Department, and in outpatient oncology. Rounding services include Internal Medicine, Infectious Disease and Critical Care. Pharmacists 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.



PGY 1

Pharmacy Residency

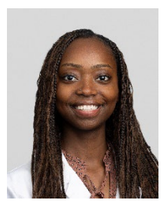
The Fairview Hospital Pharmacy Residency (PGY-1) is a one-year postgraduate training program that provides a foundation of diverse experiences in pharmaceutical care and hospital pharmacy practice. The program is designed to expose the resident to a variety of practice areas in acute care and ambulatory environments to build and expand the knowledge and skills necessary for direct patient care.

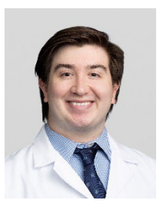
Residents who successfully complete this program are well prepared for specialized residencies, fellowships, and opportunities in clinical hospital practice. Required experiences are orientation, internal medicine, critical care (MICU or SICU), cardiology, infectious disease, pharmacy practice, emergency medicine and pharmacy leadership. Required longitudinal rotations are ambulatory care, research, leadership and professional development, and staffing. Electives include oncology, child and adolescent psychiatry, investigational drug services, family medicine inpatient, nephrology, obstetric and neonatal care, internal medicine, emergency medicine, and critical care. Other experiences may be developed based on resident interest and preceptor availability.

There are also opportunities to complete teaching and leadership certificates. In addition to clinical activities, residents are involved in educational programs, which include pharmacy conferences and 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 may have the opportunity to attend the ASHP midyear clinical meeting and an Ohio regional conference (example: Ohio Pharmacy Residency Conference, Ohio College of Clinical Pharmacy meeting).

CONTACT

Pharmacy Residency (PGY-1) Director
Lori Rose, PharmD, BCPS
Cleveland Clinic Fairview Hospital
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email: lorose@ccf.org







PGY 2

Emergency Medicine Residency

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

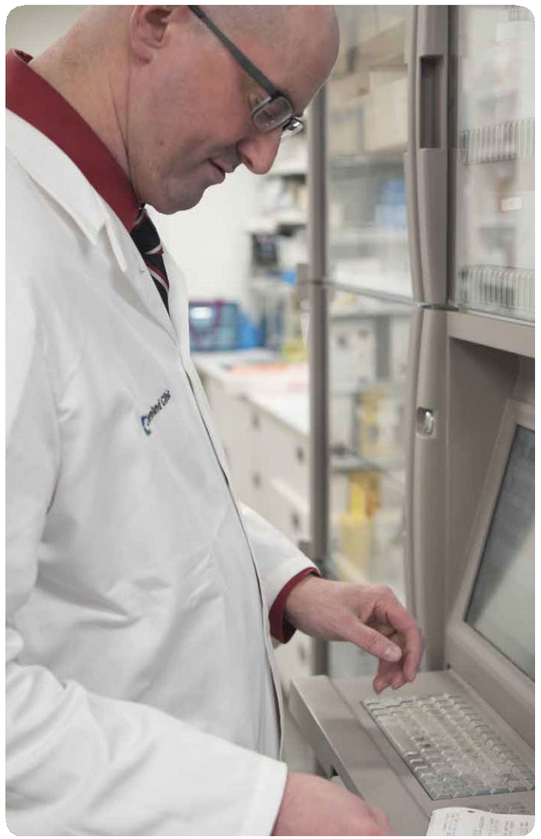
Residents will participate in the Emergency Department Performance Improvement Committee, Emergency Medicine Pharmacy Governance Committee, emergency medicine journal club series, and APPE student lecture series. Residents will complete a research project, manuscript, and present research at a selected resident conference.

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

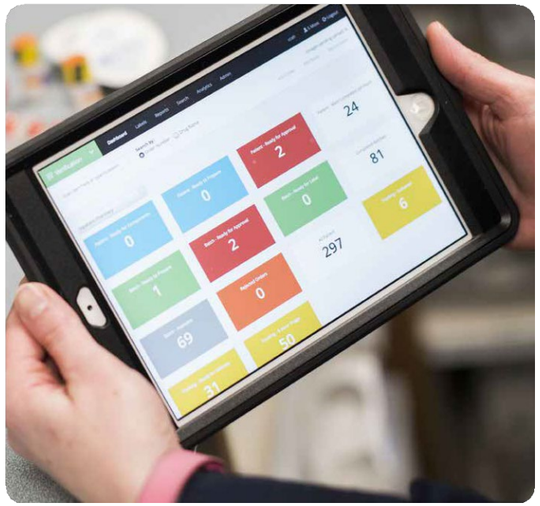
CONTACT

Emergency Medicine Residency (PGY-2) Director
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18101 Lorain Ave., Cleveland, Ohio 44111
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Ohio Regional – Hillcrest Hospital

CLEVELAND CLINIC HILLCREST HOSPITAL

Cleveland Clinic Hillcrest Hospital is a 500-bed community acute care hospital, an accredited Stroke Center, Chest Pain Center with PCI, and is a top 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 Pharmacy Department 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.

PGY **1**

Pharmacy Residency

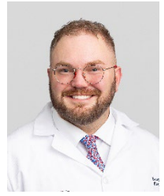
The Pharmacy Residency (PGY-1) is a one-year postgraduate training program that offers clinical experiences in adult intensive care (medical, surgical, cardiovascular, and cardiothoracic), neonatology, infectious disease, internal medicine, emergency medicine, ambulatory internal medicine, administration, high risk obstetrics, and pharmacy practice. Residents 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.

Individuals 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
for further information.

CONTACT

Pharmacy Residency (PGY-1) Director
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Ohio Regional – Hillcrest Hospital

PGY **2**

Ambulatory Care Residency

The PGY-2 Ambulatory Care Residency at Cleveland Clinic Hillcrest Hospital is a specialized one-year program with rotation offerings in multiple ambulatory care clinics, including primary care, and cardiology. 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: Primary Care, Cardiology, Transitions of Care, Practice Management, Emergency Department, Research, and Continuing Education. Oncology is available as an elective option.

Residents will complete an original research project with an associated manuscript written for publication. This project will be presented at a professional pharmacy meeting. A formal continuing education program will be presented at a local professional meeting and four continuing education topics will be presented to Family Medicine providers.

Numerous educational and preceptor prospects are available, including precepting PGY-1 pharmacy residents and APPE students.

CONTACT

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, 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.

Residents 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.

PGY **2**

CONTACT

Critical Care Residency (PGY-2) Director
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Ohio Regional – Marymount Hospital

CLEVELAND CLINIC 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, infectious diseases, 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 2023. 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. Pharmacy Department technology includes 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.

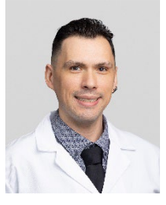
Pharmacy Residency

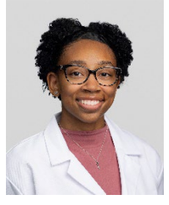
PGY 1

The PGY1 Pharmacy Residency is a one-year postgraduate training program that provides training in various practice areas. Required rotations (4-6 weeks unless otherwise specified) are: orientation/internal medicine 1 (10-12 weeks), internal medicine II, ambulatory care, emergency medicine, infectious disease, critical care, leadership and administration, and psychiatry. Residents also can select up to two elective rotations (4-6 weeks each) from a variety of experiences, such as critical care 2, emergency medicine 2, infectious disease 2, and psychiatry 2. Off-site elective rotations may also be offered based on availability. 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 PGY-2 residency program or take on roles with both direct patient care and operational focus.

In addition to monthly required and elective rotations, residents will complete longitudinal experiences including a longitudinal project (full residency year), medication use evaluation (yearlong), drug information project (yearlong), staffing (every other weekend and two holidays), precepting (4-6-week experiences scheduled concurrently with required or elective rotations), and presentations (full residency year, formally evaluated quarterly). Residents are also encouraged to consider participation in longitudinal elective experiences through the Northeast Ohio Medical University Teaching and Learning Curriculum and ASHP Leadership Certificate programs. To help develop research skills, residents also participate in an enterprise-wide research skills workshop throughout the year.

CONTACT
Pharmacy Residency (PGY-1) Director
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Ohio Regional – Medina Hospital

CLEVELAND CLINIC MEDINA HOSPITAL

Medina Hospital has been supporting the community and its patients with expert care for over 75 years as the sole hospital in the county. Initially opened during WWII with a modest 35 beds, Medina Hospital has become a modern, 148-bed acute care facility, featuring the latest technology and procedures. More than 300 physicians are on staff covering more than 30 areas of specialization. In August 2009, the hospital affiliated with Cleveland Clinic, providing residents with local access to world class care. Medina Hospital's centers of excellence include Emergency Department, Orthopedics and Surgery. Medina Hospital is an accredited Primary Stroke Center (Stroke Gold Plus Target: Stroke Elite Plus Honor Roll) and a Level 3 Geriatric Emergency Department.

The Department of Pharmacy consists of approximately 30 staff members who provide services with decentralized



presence in the intensive care unit, emergency department, medical-surgical floors, and the outpatient primary care area. Pharmacist clinical specialists provide rounding services in critical care, infectious diseases, and internal medicine. All pharmacists practice at the top of their license, incorporating innovative, collaborative practice agreements to optimize drug therapy regimens. Our experienced precepting staff help residents meet individual goals, including specialized residencies, clinical positions, and careers in hospital practice.

Pharmacy Residency

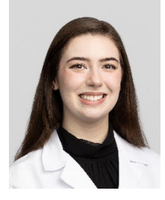
PGY 1

The Medina Hospital PGY-1 residency takes place in the unique setting of a progressive community hospital with a supportive and comprehensive learning environment. Residents will help implement and enhance pharmacy services and develop the skills necessary to become integral to the interdisciplinary healthcare team. Required rotations are orientation, pharmacy practice, internal medicine, advanced internal medicine, medication safety/leadership, infectious diseases, critical care, emergency medicine, ambulatory care, and research. Residents will select two elective rotations from the following: advanced internal medicine II, infectious diseases II, critical care II, emergency medicine II, ambulatory care II, or other potential offsite rotations within the Cleveland Clinic system by request and availability.

In addition to clinical activities, residents will complete a research project over the year that will be presented nationally and have publication opportunity.

Residents will staff in the central pharmacy one day per weekend with every third weekend off. Additionally, they will work one four-hour evening shift, per three-week period, and be provided wellness hours. Residents can choose to participate in a teaching certificate program through Northeast Ohio Medical University and/or a leadership certificate program through ASHP. Review our website for more detailed information, meet our preceptors, and see our resident alumni.

CONTACT
Pharmacy Residency (PGY-1) Director
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Ohio Regional – Mercy Hospital

CLEVELAND CLINIC 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 Southeast Ohio. As a Catholic health care organization, the mission at 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.

Pharmacy Residency

PGY 1

The PGY-1 pharmacy residents will gain experience in a variety of core pharmacy practice areas. Core required experiences include a internal medicine (4 weeks), critical care (4 weeks), emergency medicine (4 weeks), infectious diseases/stewardship (4 weeks), ambulatory care (4 weeks), precepting (4 weeks), orientation (6 weeks), administration (all year starting in August, longitudinal), medication safety (all year starting in August, longitudinal), staffing (all year starting in August, longitudinal, total 18 weekends plus 3 holidays) and research (all year, longitudinal). Elective experiences include Oncology, as well as other elective experiences that may be developed based on resident interest and preceptor availability.

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 ASHP. Residents will also participate in an on-call program.

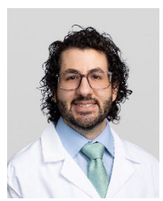
Residents will complete a research project and manuscript and have the opportunity to present at regional and national conferences. To assist with building research skills, the residents will participate in research curriculum that takes place throughout the year.

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

ashp Accredited

CONTACT

Pharmacy Residency (PGY-1) Director
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Ohio Regional – South Pointe Hospital

CLEVELAND CLINIC SOUTH POINTE HOSPITAL

Cleveland Clinic South Pointe Hospital is a 173-bed acute care community teaching hospital located in Warrensville Heights, Ohio. The hospital 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 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. Pharmacists provide clinical rounding services for 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, and multidisciplinary committee involvement. Pharmacists serve as student preceptors and participate in didactic teaching opportunities with the South Pointe medical residency programs.

Pharmacy Residency

The PGY-1 Pharmacy residents will practice at Cleveland Clinic South Pointe Hospital. After completing orientation, residents will complete required month-long rotations in Critical Care, Emergency Medicine, Infectious Disease, Internal Medicine Rounding 1 and 2, Internal Medicine Floor Based, and Practice Management. Required longitudinal rotations are Teaching, Pharmacy Practice, and Research. Elective on-site rotations are Cardiology, Critical Care 2, Infectious Disease 2, and Oncology. Other off-site elective opportunities are available based on preceptor availability at other Cleveland Clinic Hospitals in a variety of clinical practice areas. Residents may complete a maximum of two off-site rotations with a maximum of one of these rotations being at main campus.

Residents will complete a research project and manuscript, which will be presented locally and externally. Residents will also complete a medication use evaluation and a drug monograph and various presentations.

Residents are required to staff every other Saturday and every fourth Sunday (total of 35 shifts), during the residency year and will work one holiday from group 1 (Thanksgiving or Christmas) and one holiday from group 2 (Labor Day, New Year's Day, or Memorial Day).Residents are required to participate in a teaching certificate program through Northeast Ohio Medical University (NEOMED) and may elect to participate in a longitudinal leadership certificate program.

PGY 1

CONTACT

Pharmacy Residency (PGY-1) Director
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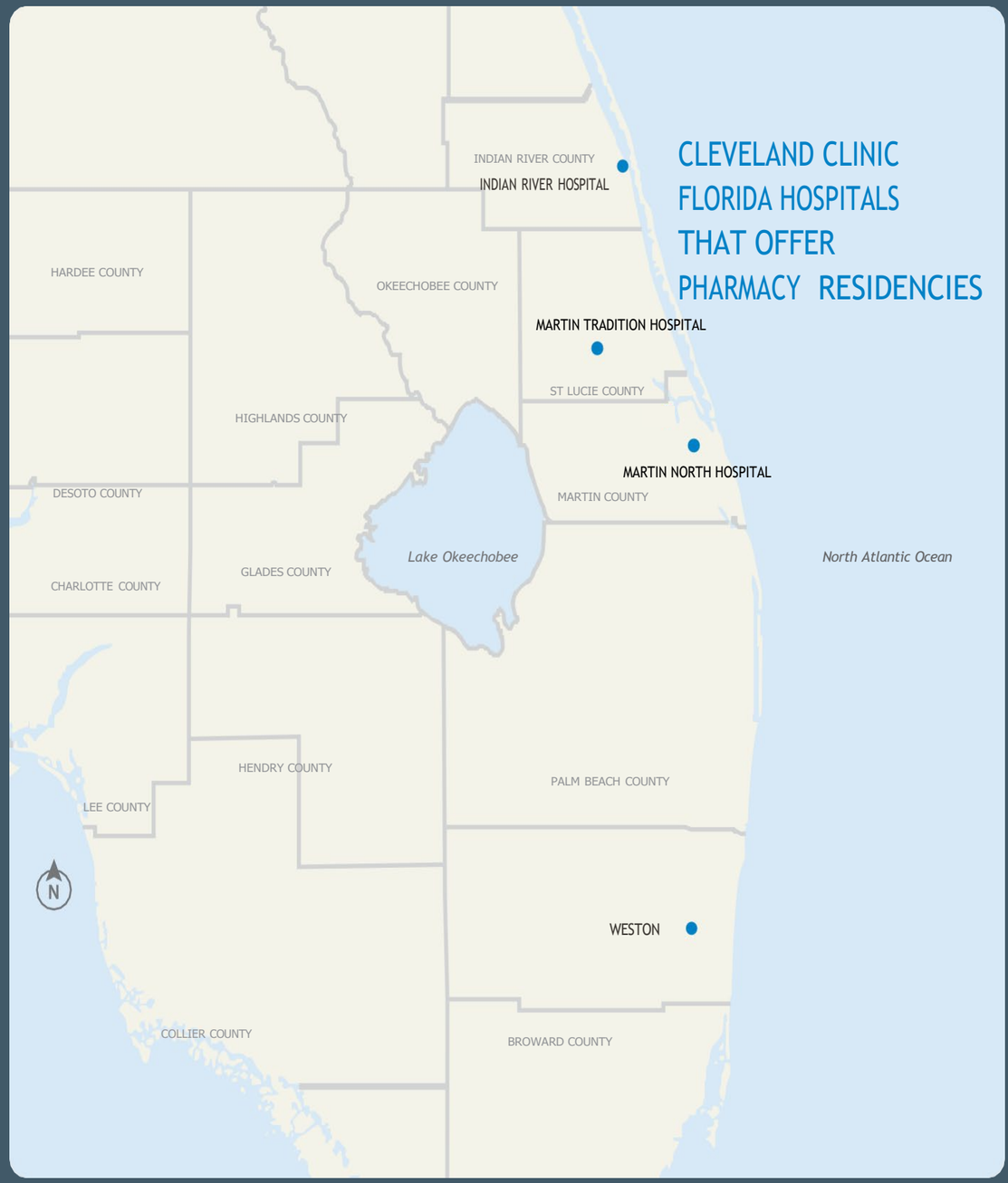
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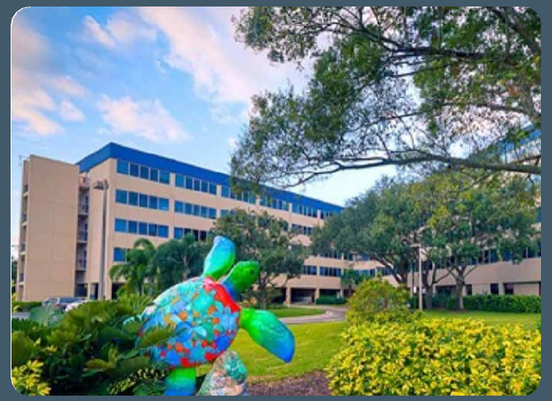
Florida Regional Hospitals



Florida Regional –

CLEVELAND CLINIC INDIAN RIVER HOSPITAL

Cleveland Clinic Indian River Hospital was 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, 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 32 pharmacists with 16 being board certified in their area of practice. Pharmacists are actively involved within ambulatory care, emergency services, the intensive care unit, antimicrobial stewardship, outpatient cancer center, and decentralized on the general medical floors. Pharmacists also serve as pharmacy student preceptors and provide patient counseling.



There are two PGY-1 Pharmacy Programs at Indian River Hospital. One program (program code 33850) is an accredited program with two positions. Most required and elective learning experiences occur in the inpatient setting. The other program (program code 33938) is an accredited program with one position that meets all requirements of a PGY1 pharmacy program, but most required and elective learning experiences 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 programs, visit https://ccirh.org/about/careers/pharmacy-residency-program/

PGY 1

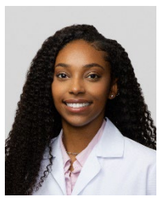
Pharmacy Residency – Ambulatory Setting

The PGY 1 residents (program code 33938) 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 learning experiences include orientation, internal medicine, inpatient cardiology, anticoagulation, primary care, endocrine & geriatrics, value-based care, advanced ambulatory care, and outpatient cardiology. Residents will select one elective experience from the inpatient elective list or from the ambulatory care elective list. Inpatient elective offerings are sterile preparations, critical care, advanced inpatient cardiology, emergency medicine, and infectious disease. Ambulatory care electives include health-system pharmacy administration, retail pharmacy, and ambulatory care administration. Other elective learning experiences may be developed based on resident interest and preceptor availability. 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 third weekend and work two Cleveland Clinic-recognized holidays. Other longitudinal learning experiences include anticoagulation, research, leadership, and 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 includes a teaching certificate program.

CONTACT

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PGY 1

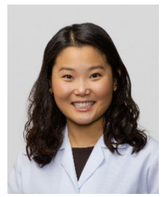
Pharmacy Residency- Inpatient Setting

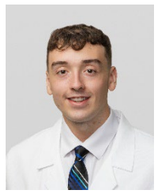
The PGY1 residents (program code 33850) will practice in various inpatient pharmacist areas at Cleveland Clinic Indian River Hospital, including intensive care units, the emergency department, cardiology and internal medicine floors, the main pharmacy area for operational services and sterile preparation, as well as ambulatory care clinics specializing in anticoagulation and chronic care management. Required learning experiences include orientation, internal medicine, cardiology, critical care, infectious disease, emergency medicine, and ambulatory care. Residents will select two elective experiences from the following list: advanced emergency medicine, advanced infectious disease, advanced ambulatory care, retail pharmacy, sterile preparations, and health-system pharmacy administration (HSPAL). Other elective learning experiences may be developed based on resident interest and preceptor availability. 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 third weekend. Residents are also required to work two Cleveland Clinic-recognized holidays. Other longitudinal learning experiences include research, leadership, and 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.

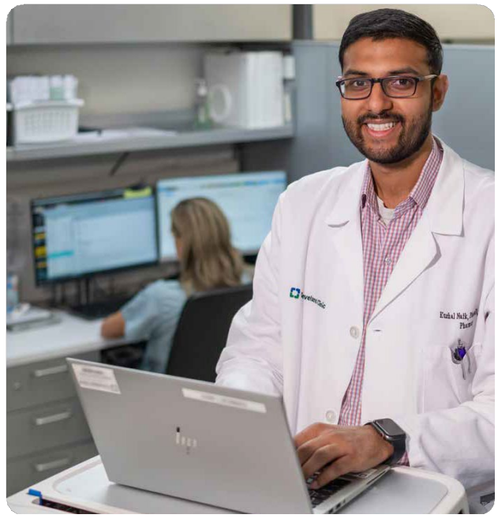
CONTACT

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Florida Regional – Martin Health North Hospital

CLEVELAND CLINIC MARTIN NORTH HOSPITAL



Cleveland Clinic Martin Health is a community-based health care organization that offers preventive, primary and acute hospital care. Our system is composed of 3 hospitals, a stand-alone emergency department, as well 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 Orthopedic 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.

PGY 1

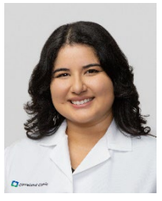
Pharmacy Residency

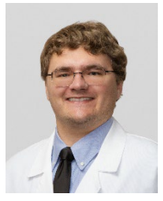
The PGY1 residents will practice at Cleveland Clinic Martin North Hospital. The Department of Pharmacy provides comprehensive pharmacotherapeutic services throughout the health system using a decentralized staffing model. Required rotations are internal medicine, critical care, antimicrobial stewardship, emergency medicine, administration, and research. Residents will select five elective rotations from the following: 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 and manuscript and present at the ASHP Midyear Clinical Meeting and Florida Residency Conference. Residents are required to staff one evening weekly, one weekend every three weeks and work two Cleveland Clinic-recognized 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 research curriculum that takes place throughout the year. Formal teaching certificates are available for interested residents.

CONTACT

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Florida Regional – Martin Tradition Hospital

CLEVELAND CLINIC MARTIN TRADITION HOSPITAL

Cleveland Clinic Tradition Hospital offers preventive, primary and acute hospital care, as well as a full array of specialty services. Our physicians represent 71 medical specialties and subspecialties, working in integrated teams focused on specific organ or disease systems to provide collaborative, patient-centered care. We work in conjunction with community-based physicians and collaborate with our Cleveland Clinic colleagues in Ohio and across our five-hospital regional health system in Florida to ensure our patients have access to the most advanced levels of medicine and innovative care.

Cleveland Clinic Tradition Hospital is the newest addition to Cleveland Clinic Florida. Tradition hospital received accreditation as a Comprehensive Stroke Center by DNV GL Healthcare in 2023. This established Tradition Hospital as the first hospital on Florida's Treasure Coast and the first hospital within the Cleveland Clinic Florida Region to achieve this certification.



This hospital houses over 200 inpatient beds in addition to a 27-bed emergency department. Specialties at this site include critical care (MICU/neuro ICU); emergency medicine; interventional neurology; pediatrics/neonatal ICU. The Department of Pharmacy provides comprehensive pharmacotherapeutic services system using a decentralized staffing model. Additionally, Tradition Hospital department of pharmacy participates in multiple investigational drug studies, remotely serves our stand-alone emergency room, and provides a full-service outpatient infusion center 7 days a week.

PGY 1

Pharmacy Residency

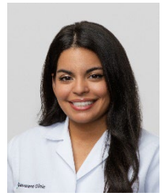
The PGY1 residents will practice at Cleveland Clinic Tradition Hospital. The Department of Pharmacy provides comprehensive pharmacotherapeutic services throughout the health system using a decentralized staffing model.

Required rotations are internal medicine, critical care, emergency medicine, antimicrobial stewardship, administration, presentations/teaching, service, leadership, and research. Residents will also choose five electives from the following: infectious diseases, pediatric medicine, inpatient hematology/oncology, outpatient hematology/oncology, nephrology, critical care II, emergency medicine II, and emergency medicine III. Residents will complete a research project, manuscript, and present at the ASHP Midyear Clinical Meeting and Florida Residency Conference. Residents are required to staff one evening weekly, one weekend every three weeks, and work two Cleveland Clinic-recognized holidays. Other longitudinal learning experiences include ACLS certification, medication use evaluations, student precepting, and participation in pharmacy committees. To assist with building research skills, the residents will participate in a research curriculum that takes place throughout the year. Formal teaching certificates are available for interested residents.

CONTACT

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Florida Regional – Weston Hospital

CLEVELAND CLINIC WESTON

Cleveland Clinic Weston is comprised of the hospital facility located in Weston Florida and clinics located in West Palm Beach, Coral Springs, Palm Beach Gardens, Parkland and Wellington. It is a 256 bed, not-for-profit, multi-specialty academic medical center that integrates clinical and hospital care with research and education.

Cleveland Clinic Weston has 250 physicians with expertise in 50 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.



Our Florida hospitals are regionally and nationally recognized for their expertise and care. 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.

Pharmacy Residency

PGY 1

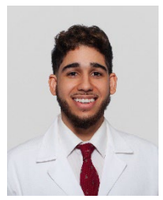
The Cleveland Clinic Weston Pharmacy Residency PGY 1 is a one-year post graduate program located in Weston, Florida. The required rotations are orientation, internal medicine, infectious disease, ambulatory care, transplant I, transplant II, medical ICU, emergency medicine, and oncology. Electives include surgical ICU, health system pharmacy leadership/management, and cardiology. Pharmacist preceptors are available for all rotations listed.

Residents will complete one major research project with a manuscript and one minor project, and present at internal and/or external venues. Residents are required to staff every other weekend and will be required to work two Cleveland Clinic-recognized 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 research curriculum that takes place throughout the year.

CONTACT
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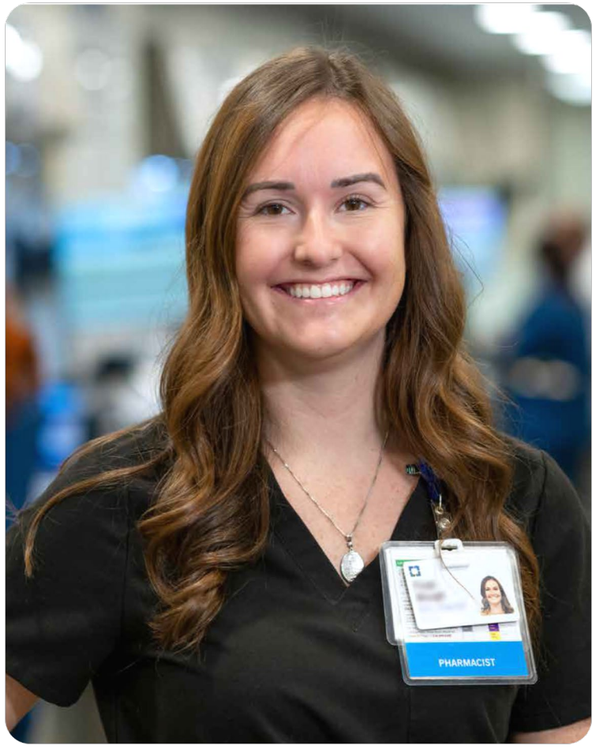












Application Requirements

PGY1 Programs:

Interested applicants must be enrolled or PharmD graduates of an 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 (letter of intent, CV, three standard reference forms in PhORCAS, official college transcripts), with the following:

1. 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 three reference writers should use the standard PhORCAS template to submit their candidate recommendation.

PGY2 Programs:

Interested applicants must be PharmD graduates of an accredited college of pharmacy, be eligible for licensure in the State of Ohio (or Florida if applicable), must be graduates or enrolled in an ASHP-accredited or ASHP-candidate status PGY-1 Pharmacy Residency Program and submit the standard application materials through PhORCAS (letter of intent, CV, three standard reference forms in PhORCAS, official college transcripts), along with:

1. 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.

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 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 2, 2026 by 11:59 PM.** For the PGY-2 residency programs (Ambulatory Care, Cardiology, Critical Care, Emergency Medicine, Infectious Diseases, Informatics, Internal Medicine, Neurology, Oncology, Pediatrics, Pharmacogenomics, and Solid Organ Transplant), the candidate must have completed or be enrolled in a PGY-1 program that is ASHP-accredited or in ASHP-candidate status. Upon enrollment, the resident must provide a copy of their PGY-1 certificate within 30 days of their start date.

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 Optional Practical Training (OPT) visas for the Cleveland Clinic Pharmacy Residency program as the program extends beyond 12 months. Two- and Three-year OPT is limited to STEM occupations with e-Verify employers, which Cleveland Clinic is not an e-Verify employer. Cleveland Clinic also does not sponsor H1-B visas for pharmacy residents. 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. To be eligible for pharmacist licensure, candidates must be graduates or candidates for graduation from an ACPE accredited degree program (or one in the process of pursuing accreditation) or have a Foreign Pharmacy Graduate Examination Committee (FPGEC) certificate from the NABP.

4. Appointments of applicants to residency positions are 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 nicotine, and attendance of an on boarding appointment on site in Ohio (for Ohio programs) or Florida (for Florida Programs), or as otherwise directed by Occupational health at least 2 weeks prior to the start date].



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Click here to visit our website for more information