

Pharmacy Residency Program



BAPTIST MEDICAL CENTER JACKSONVILLE

Baptist Medical Center Jacksonville, a 489-bed tertiary hospital that is the flagship of Baptist Health in Jacksonville, Florida, is centrally located on the south bank of the St. Johns River.

Serving a region that is expanding both geographically and economically, Baptist Jacksonville provides a comprehensive range of services, including: a 24/7 Emergency Center

Accredited Chest Pain Center, Certified Comprehensive Stroke Center and Life Flight, Baptist Heart Hospital, Baptist Neurological Institute, Jacksonville Orthopedic Institute, Baptist Behavioral Health, and Women's Health Services.



The downtown campus is home to Wolfson Children's Hospital, the area's only children's hospital; and adjacent to the downtown campus is Nemours, a premier pediatric research clinic. The downtown campus is also home to Baptist MD Anderson Cancer Center providing comprehensive services to beat cancer. Baptist Health incorporates the tertiary hospital in downtown Jacksonville, a 146-bed full service medical center in Jacksonville Beach, a 64-bed acute care hospital in Amelia Island, a 100-bed full service medical center in Clay County and a 245-bed full-service hospital in South Jacksonville. The downtown pharmacy department also provides services to three area emergency rooms.

WOLFSON CHILDREN'S HOSPITAL

Wolfson Children's Hospital is part of Baptist Health multi-hospital system and adjacent to Baptist Medical Center-Jacksonville. Wolfson Children's Hospital is one of the nation's top children's hospitals. Founded in 1955, Wolfson Children's Hospital is a 280-bed regional referral hospital serving children and is the only children's hospital in Northeast Florida and Southeast Georgia. In addition to having comprehensive state-of-the-art clinical facilities, Wolfson children's Hospital has extensive partnerships with primary care physicians and pediatric sub-specialists in Jacksonville at Nemours Children's Health, the University of Florida and Mayo Clinic Jacksonville.



Wolfson Children's Hospital is a primary pediatric teaching facility for the University of Florida College of Pharmacy (Jacksonville Branch Campus), college of Medicine, College of Nursing and College of Allied Health. Nemours Children's Health also plays an integral role in the education of young professionals, allowing the opportunity to be involved with diverse patient mix and nationally renowned faculty.

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DEPARTMENT OF PHARMACY

The Pharmacy Department services both Wolfson Children's Hospital and Baptist Medical Center. The Pharmacy provides 24-hour inpatient support for both facilities. The department is staffed with approximately 99 employees including technicians, centralized and decentralized pharmacists, pharmacy residents and interns, administrative personnel, and clerical support.

The department utilizes automated drug delivery units and profile dispense throughout the hospital. A large percentage of our unit dose medications are packaged onsite.

Pediatric and Adult decentralized clinical pharmacists provide clinical pharmacy services to their respective area of practice. Clinical services provided by the department include:

- Integral member of the interdisciplinary team providing recommendations to optimize medication treatment
- Chemotherapy order management, assisting with prescribing and regimen management
- Medication History verification and clarification by consult
- Patient education for complex medication regimens
- IV to PO dose conversion
- Renal dose adjustment
- Pharmacokinetic dosing
- TPN management
- Antibiotic stewardship
- Core measure assessment for VTE prophylaxis, MI and CHF medication goals
- Anticoagulant monitoring and counseling
- Duplicate therapy review and maintenance
- Management of therapy related to drug shortages
- Alaris guardrail compliance monitoring
- Formulary adherence
- Participate in Code Blue and Code Stroke
- Nursing education
- Family education
- Order verification

BAPTIST MEDICAL CENTER/WOLFSON CHILDREN'S HOSPITAL RESIDENCY PROGRAM

Baptist Medical Center/Wolfson Children's Hospital PGY1 Pharmacy Residency Program is an ASHP accredited, one-year training program, beginning near the first of July and ending the next year at the end of June.

Purpose: Baptist Medical Center/Wolfson Children's Hospital PGY1 Pharmacy residency program builds on Doctor of Pharmacy (Pharm.D.) education and outcomes to contribute to the development of clinical pharmacists responsible for medication-related care of patients with a wide range of conditions, eligible for board certification, and eligible for postgraduate year two (PGY2) pharmacy residency training.

Baptist Medical Center/Wolfson Children's Hospital offers residents the opportunity to complete one of two tracks, PGY1 at Baptist Medical Center-Jacksonville (adult hospital) or PGY1 at Wolfson children's Hospital. The program of each resident varies based upon his or her goals, interests, and experience. Each resident is required to complete core rotations essential to the pharmacy practitioner. A variety of elective rotations are available, allowing residents the opportunity to pursue individual goals.

Residents are required to develop and complete a major research project, which will be presented at the Florida Residency Conference or equivalent. Additionally, residents will have the opportunity to develop oral and written communication skills and participate in various leadership and practice management committees.

Upon successful completion of the residency program, residents will receive a Certificate of Completion.



PGY1 PHARMACY RESIDENCY REQUIRED LEARNING EXPERIENCES

Rotational Learning Experiences-1 Month in Length

Orientation (start date to end of July)

The resident will be orientation to the purpose and practice environment, the PGY1 standards, the PGY1 competencies, goals and objectives, the design of the residency program including all program requirements, description of required and elective learning experiences, evaluation strategy, resident manual, resident policies, terms and conditions, requirements of completion and education on burnout, risks and mitigation strategies.

Drug Information

The resident will gain experience in providing drug information to health care professionals and patients. The resident will be involved in various activities including literature retrieval and evaluation, formulary management, policy development, investigational drug services, and writing and editing drug information publications. The resident will participate in Pharmacy and Therapeutics Committee activities including medication use evaluation, monograph development, and physician education.

Research (December)

The resident will have one month to collect data and make progress on their research project. During this month the resident is expected to meet with the research associates to receive feedback on data collection and make changes in the process if needed.

Internal Medicine

The resident will participate in daily patient care activities including collaborating with Physicians, Nurse Practitioners, Physicians Assistants, Nurses, Nurse Managers and Social Workers. The goals for all activities are to optimize drug therapy, deliver high quality pharmacy services to patients including drug and disease state counseling and function as a member of the health care team. Furthermore, residents will be able to monitor efficacy and toxicity of medications and identify and manage adverse drug reactions thereby contributing to increased patient satisfaction and quality of life.

General Pediatrics

The resident will gain experience and proficiency in the clinical care required by the general pediatric patient. The resident will participate in daily patient care rounds, provide patient counseling, practice therapeutic drug monitoring, and lead topic discussions. The goal of this rotation is to facilitate and increase the therapeutic knowledge and development of practice skills necessary for the provision of pediatric pharmaceutical care.

PGY1 PHARMACY RESIDENCY REQUIRED LEARNING EXPERIENCES

Longitudinal Learning Experiences-1 Year in Length

Administration/Leadership

The resident will be introduced to and receive experiences in all aspects of Pharmacy Administration including budgeting, human resources issues, committee responsibilities, inter and intra departmental relationships, and extra-hospital responsibilities during this year long experience. As part of this experience, the resident will serve as chief resident. Responsibilities include chairing the resident meeting, leading their co-residents in a group project related to the pharmacy or residency administration and arranging for one social event involving the pharmacy department. During orientation the residents, as a team, will complete a performance improvement project with the pharmacy management team.

Education

The resident will be given opportunities to provide education to physicians, nurses, pharmacists, pharmacy technicians and pharmacy students during this year long experience. At a minimum each resident will provide one Pharmacy Grand Rounds, one CE for pharmacy technicians, and three journal clubs presented to the pharmacy department and two Lunch & Learns. Ten drug information questions are also required. They will also assist with precepting pharmacy students.

Research

Each resident must complete a research project during this year-long experience. This learning experience will guide the resident through project development, proposal writing, IRB submission, data collection, data analysis and presentation of the project to the hospital and the residency conference. A final manuscript suitable for publication is required. A timeline/guideline is provided to each resident. A mentor will guide the resident throughout the year.

Service

This year-long experience provides the resident experience covering the central pharmacy on the weekend and deployed on the weekday evening. The resident will serve as the pharmacist for their assigned area. Weekend coverage may include the IV room as well as the distribution processes for both the adult and children's hospital. Evening coverage is deployed for several medical units. During the weekday evening, the resident will cover units for the various hospitals rotating through both adult and pediatric experiences. Each resident works every third weekend and one evening per week. Each resident is required to staff hospital designated "non-operational" days per department needs, but no more than 3 non-operational days during the residency year.

PGY1 PHARMACY RESIDENCY ELECTIVE LEARNING EXPERIENCES

Adult Electives Track

Adult Cardiology

The resident will gain experience in the pharmacotherapeutic care required by cardiology patients. The resident will participate in daily patient care monitoring and a variety of interdisciplinary activities. The resident will develop an understanding of the management of hypertension, heart failure, cardiac arrhythmias, acute myocardial infarctions, interventional cardiac care and surgical cardiac care.

Adult Cardiology Critical Care

The resident will build on skills and knowledge acquired in Adult Cardiology and will focus on the provision of care for patients with cardiac diseases in the intensive care units. Critical care topics not covered in previous rotations as well as advanced cardiology topics will be discussed. Topics include cardiogenic shock, vasoactive and inotropic medications, hemodynamics and monitoring as well as cardiothoracic surgeries and other procedures.

Adult Critical Care (Medical/Surgical)

The resident will gain experience in rendering pharmaceutical care to critically ill patients. The resident shall become proficient in recognizing the appropriate drug therapy for this patient population. The resident will become familiar with common medical emergencies and critical illnesses. Also, the resident will be exposed to post-operative care of surgical patients. The resident will meet with multidisciplinary members of the critical care team daily to discuss patient care.

Adult Critical Care (Neurology)

This rotation will provide the resident with drug therapy management of hemorrhagic and ischemic stroke patients in a primary certified stroke center. The resident will be required to follow the patient from the Emergency Department throughout hospitalization until discharge to rehabilitation or long-term care facility. The resident will monitor efficacy and toxicity of medications and identify and manage adverse drug reactions. The resident will be exposed to a broad range of neurology topics.

Adult Emergency Medicine

This rotation will provide the resident with a unique and challenging experience, structured to combine didactic knowledge with practical applications within the emergency department. Pharmacy practice in this environment will require rapid, accurate retrieval of information. The communication skills of the resident will be essential, as physician, nursing, and patient interactions are vital. Residents will be exposed to a broad range of topics including but not limited to critical care, internal medicine, neurology, toxicology, and psychiatry.

PGY1 PHARMACY RESIDENCY ELECTIVE LEARNING EXPERIENCES

Adult Electives Track

Adult Oncology (Inpatient)

The resident will participate in daily management of drug therapy and pharmaceutical care of adult oncology patients. The resident will become familiar with common chemotherapy regimens and supportive care. Areas to be covered include pain management, antiemetic therapy, infectious diseases, and nutritional support.

Adult Oncology (Outpatient)

The resident will rotate through the various oncology clinics to obtain a broad foundation of treatment of various malignancies. Included is experience in the infusion center. Depending on the resident's interest inpatient time may also be provided.

Infectious Disease

The resident will gain experience and proficiency in the clinical care required by the complex nature of bacterial and viral infections observed in the hospital setting for the adult and patient. Pediatric topics may be covered as well. The resident will learn and implement Antimicrobial Stewardship principals. The resident will participate in daily patient care rounds and a variety of interdisciplinary activities. The resident will develop an understanding of infectious organisms, antibiotic combinations, and pharmacokinetics.

Psychiatry

The resident will participate in daily rounds with the psychiatrist and other disciplines as needed. The resident will offer pharmaceutical care for both psychiatric and medical issues. Additionally, the resident will initiate patient interviews to discuss the patient's treatment regimen and provide medication education. The main areas of focus are depression, bipolar disorder, schizophrenia, anxiety disorders, autism, ADHD, substance use disorders, and personality disorders.

Clinical Toxicology/Poison Information

The rotation will of poison information will be emphasized allowing the resident to discuss pathophysiologic entities and formulate therapeutic and monitoring protocols for patients on a case-by-case basis.

PGY1 PHARMACY RESIDENCY ELECTIVE LEARNING EXPERIENCES

Pediatric Electives Track

Neonatal Intensive Care

The resident will gain experience in caring for the unique needs of critical neonates on both a clinical and practical basis. This will be accomplished by gaining proficiency in neonatal pharmacotherapy and dealing with the day to day challenges of providing care to a variety of patients including very low birth weight neonates and infants with various congenital malformations, such as genetic disorders, neural tube defects and congenital heart defects. A significant goal of this rotation will be development of an integral knowledge of all technology and equipment used in the neonatal population that may require special skills and/or knowledge to provide medications safely and effectively to neonates and infants of various ages.

Pediatric Intensive Care

The resident will participate in daily critical care rounds, and unit sign-out rounds. The resident will gain experience in rendering pharmaceutical care to critically ill patients and patients who are technology dependent. The resident shall become proficient in recognizing the appropriate drug therapy for this patient population. The resident will become familiar with common pediatric emergencies and critical illnesses.

General Pediatrics II

The purpose of the general pediatrics II elective is to build on the skills and knowledge acquired on the general pediatrics rotation. Care will focus on the provision of care for pediatric patients as an independent learning taking responsibility for the patients. The resident will be expected to take the lead on patient discussions, topic discussions, and managing the pediatric units. Independence on daily rounds, interaction with other members of the health care team, and identifying and resolving medication problems is the goal.

Pediatric Emergency Medicine

The learning experience will allow pharmacy residents to become familiar with the role of the pharmacist in the pediatric emergency department. Routine responsibilities include Independent daily rounds, medication reconciliation, pediatric dosing recommendations, antimicrobial stewardship, pain/sedation monitoring, medication discharge counseling, IV medication preparation, participation in pediatric resuscitations/codes, and assuring appropriate pharmacotherapy on all pediatric ED patients. The pharmacist provides drug information and education to healthcare professionals as well as patients and caregivers.

PGY1 PHARMACY RESIDENCY ELECTIVE LEARNING EXPERIENCES

Pediatric Electives Track

Pediatric ICU II

The resident will build on skills and knowledge acquired in Pediatric Intensive Care will focus on the provision of care for pediatric patients as an independent learning taking responsibility for the patients. Some cardiology patients may be incorporated. Potential cardiac disease states include congenital health defects, acquired heart disease, heart failure, cardiogenic shock, and arrhythmias.

Pediatric Hematology/Oncology

The resident will participate in daily hematology/oncology patient rounds. The resident will gain experience in providing pharmaceutical care to pediatric hematology, oncology, and stem cell transplant patients. The resident will become familiar with common pediatric chemotherapy regimens and supportive care. Areas to be covered include pain management, antiemetic therapy, infectious diseases, and nutritional support.

Psychiatry

The resident will participate in daily rounds with the psychiatrist and other disciplines as needed. The resident will offer pharmaceutical care for both psychiatric and medical issues. Additionally, the resident will initiate patient interviews to discuss the patient's treatment regimen and provide medication education. The main areas of focus are depression, bipolar disorder, schizophrenia, anxiety disorders, autism, ADHD, substance use disorders, and personality disorders.

Clinical Toxicology/Poison Information

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PGY1 PHARMACY RESIDENCY ELECTIVE LEARNING EXPERIENCES

Non-Direct Patient Care Electives

Investigational Drug Service

This rotation will provide residents with a working knowledge of investigational drug management and familiarize them with basic principles of clinical research. Practical experience in investigational drug management will be provided. Activities and involvement will be based upon the control and regulation of investigational drugs throughout the institution.

Informatics

The experience focuses on the application of informatics and technology to improve medication use processes, patient safety, and helathcare delivery. It involves working with electronic health records (EHRs), clinical decision support systems (CDSS), data

analytics, and other health information technologies. Residents will engage in projects and activities that enhance the efficiency and effectiveness of healthcare services through informatics solutions.

Pharmacy Operations (Administration):

This rotation will provide residents to discuss or participate in activities involving operational issues and philosophies. Areas of focus include leadership development, department budgeting, drug shortage management, human resource management, productivity measurement and compliance with laws, rules and standards of various regulatory organizations.

Additional Elective Rotations

Residents may repeat a required or elective rotation once during the residency year. No more than 1/3 of direct patient care experiences may focus on a specific disease state or population (i.e., oncology, critical care, cardiology). Electives may be available at other sites in the city as well as new electives may be developed.

Additional Considerations

- Each resident candidate must choose which elective track for which to interview. At least four electives should come from that track.
- Other electives may be chosen from the other elective track or non-direct care electives.
- Only one non-direct patient care elective may be selected.