

## St. John's PGY1 Residency Program Learning Experience Descriptions

### **Anticoagulation Management Clinic** (*elective*)

The Anticoagulation Management Learning Experience is an elective rotation that focuses on the outpatient management of anticoagulation. The HealthEast Anticoagulation Clinic is a centralized management service comprised of both registered nurses and pharmacists that share the responsibility for anticoagulation management of over 2000 HealthEast primary care patients. Utilizing a collaborative practice agreement, pharmacists in the anticoagulation clinic provide anticoagulation therapy management, bridging guidance and drug therapy selection. During this rotation, the resident will work collaboratively with the pharmacist to monitor, assess and develop anticoagulation management plans. The resident will advance his or her clinical skills through extensive patient care contact and gain practical experience developing evidence-based recommendations for medication management plans. Additionally, the resident will assist in providing education and drug information to other members of the care team including providers, nurses and other clinic support members.

### **Cardiology** (*required*)

The St. John's Cardiology Learning Experience will focus on the medical management of patients with cardiac related disease states on the 32-bed telemetry unit. Areas of focus include congestive heart failure, atrial fibrillation, and acute coronary syndrome. The resident will concentrate on a different disease state weekly, and patient review and topic discussions will be based on this disease state. The resident will continue to advance his/her knowledge and skill with dosing of warfarin, vancomycin, and parenteral nutrition as the patient population allows. In addition, the resident will have the opportunity to observe cardiac related procedures such as ECHO, TEE, TTE and stress tests.

### **Critical Care** (*required*)

The St. John's Critical Care Learning Experience will focus on the medical/surgical management of patients in a 20-bed medical/surgical intensive care unit (ICU). The resident will work closely with the decentralized pharmacist assigned to the ICU to identify medication issues, manage medication therapy and respond to drug information questions. The resident will be responsible for attending daily ICU multi-disciplinary rounds and Antibiotic Stewardship Rounds, as well as responding to codes within the hospital. The resident will work closely with the intensivist, preceptor and ICU nursing staff to develop appropriate evidence-based care plans for patients in the ICU.

By the end of the rotation, the resident will have a strong working knowledge of the pharmacist's role in an ICU as well as his or her role as a member of a multi-disciplinary care team. The resident should demonstrate an understanding of the medical management of common disease states seen in the ICU population and be able to effectively, efficiently and independently provide clinical services to this patient care area. The primary preceptor and secondary preceptors will be responsible for facilitating learning experiences, evaluation and routine feedback to the resident.

**Emergency Medicine** *(elective)*

The St. John's Emergency Medicine Learning Experience will focus on the emergency management of patients in a busy 22-bed community hospital emergency department (ED). The resident will work closely with the ED pharmacist to provide clinical pharmacy services to patients in collaboration with various members of the ED care team. The resident will participate in codes, intubations, procedural sedations, obtain medication histories, research drug questions for providers, review antibiotic orders, and perform other daily operations expected of the ED pharmacist. By the end of the rotation, the resident should have a strong working knowledge of the pharmacist's role in an ED as well as his or her role as a member of a multi-disciplinary care team.

**Infectious Disease** *(required)*

The St. John's Infectious Disease Learning Experience is will expose the resident to common infectious disease states and antimicrobial agents encountered in the acute care setting. The resident's primary responsibility will be daily evaluation and presentation of patients identified for antibiotic management team rounds. Other learning opportunities may include but are not limited to; collaboration with infectious disease physicians, participation in focused topic discussions, completion of presentations and independent projects and attendance at P&T Antibiotic Subcommittee and Infection Control meetings. By the end of this rotation, the resident should have a strong understanding of infectious disease states, be able to confidently approach the management of infectious disease patients, and have a good understanding of proper antimicrobial stewardship.

**Informatics** *(elective)*

The St. John's Informatics Learning Experience will help the resident become familiar with the key principles utilized in hospitals and health systems to improve pharmacy informatics, automation and health information technology. The resident will primarily work with the pharmacy leadership staff at HealthEast and secondarily with members of the Pharmacy Informatics department. The resident will learn by directly working with the automation software, discussing topics and readings with the preceptor and other pharmacy staff, through shadowing opportunities and by attending other meetings relevant to the rotation.

**Internal Medicine** *(required)*

The St. John's Internal Medicine Learning Experience is a required core rotation in the residency program. There are three medical/surgical patient care units at St. John's Hospital. The rotation will be divided into two week blocks on the different decentralized pharmacist services to expose the resident to a variety of patients and disease states. Throughout the rotation, the pharmacy resident will work closely with nurses, hospitalists, family practice residents, specialists, and clinical dietitians. The resident will be responsible for identifying, resolving and documenting medication therapy issues for patients while performing patient review and order entry. The resident is also expected to complete pharmacy consults for select patients. The resident will work toward assuming care of all patients on the unit throughout the six week learning experience. Additionally, the resident will be responsible for providing medication related education to patients and healthcare professionals.

**Lean Process Improvement** *(elective)*

This rotation will help the resident become familiar with the key principles of the Lean improvement system utilized at HealthEast. The resident will learn about Lean, the common Lean tools utilized by HealthEast, and how to leverage these tools to improve the way we complete our work. The resident will gain an understanding of the core principles of the HealthEast Lean system, including, but not limited to; Front Line Management System, Standard Work, A3 Thinking, Strategy Deployment, Value Stream Mapping, and the Gemba. The preceptor will be responsible for facilitating learning experiences, evaluation, and providing routine feedback to the resident.

**Long-term Acute Care** *(elective)*

This rotation will focus on providing clinical pharmacy services to long-term acute care patients at Bethesda Hospital. Areas of focus include traumatic brain injury, respiratory care, complex wound care, and complex medical care. During the 5-week rotation, the resident will be responsible for patient care rounds each morning and providing all clinical services to the care units assigned under the supervision of the decentralized clinical pharmacist. The resident will become familiar with all responsibilities of the decentralized clinical pharmacist. By the end of the rotation, the resident should be able to effectively and efficiently provide clinical services to long-term acute care patients.

**Medication Safety** *(required)*

Medication safety is a longitudinal rotation to increase the resident's knowledge in medication safety issues at the health system, state and national level. The resident will have the opportunity to conduct a medication use evaluation, identify and implement an idea related to patient safety, conduct a gap analysis of medication safety best practices and review St. John's medication safety events. Along with these activities, the resident will attend monthly topic discussions with the preceptor and other residents, to learn how to recognize safety issues, understand healthcare at risk behaviors and discuss principles of leading change. The resident will also participate in Medication Safety Committee meetings.

**Medication Therapy Management** *(elective)*

The Medication Therapy Management (MTM) Learning Experience is an elective rotation that will take place within several of the HealthEast clinics and/or specialty clinics. This rotation will expose the resident to outpatient management of patients and highlight how this differs from inpatient management. There is a focus on chronic disease management and direct patient care.

During this rotation, the resident will work collaboratively with the primary care team to address each patient's medication related concerns to help the patient get the most benefit from his or her medications. The resident will advance his or her clinical skills through extensive direct patient care experiences and develop competency in providing evidence-based, patient-centered medication management services. The resident will comprehensively review the patient's medications, assess vital signs, evaluate laboratory results, identify drug therapy problems and practice motivational interviewing skills in order to develop a treatment plan with the patient.

**Mental Health and Addiction Medicine** *(elective)*

This elective learning experience, offered at St. Joseph's Hospital, will focus on the treatment of mental health patients in the inpatient setting. The resident will work as part of an interdisciplinary team to manage commonly seen disease states such as bipolar disorder, schizophrenia, depression, anxiety, and substance use disorders. The resident will be responsible for following patients throughout the course of their admission by performing order verification, answering drug information questions, identifying medication interventions, and completing pharmacist consults. The resident will also be responsible for attending patient care rounds twice weekly and medication education group once weekly. Topic discussions and patient case presentations will be held daily with preceptors. The primary preceptor and secondary preceptors will be responsible for facilitating learning experiences and providing routine feedback.

**Oncology/Immunology** *(elective)*

The St. John's Oncology/Immunology Learning Experience provides an opportunity for residents to provide care for patients diagnosed with solid tumor malignancies, myeloma, myelodysplastic disorder and lymphoma. In addition to learning about these malignancies, the resident will gain experience in immunotherapies given in an infusion center for non-oncologic diseases. The resident is expected to evaluate patient's drug regimens, perform order verification and be a drug information resource to the team. Additional rotation activities include topic discussions, participation in patient education of chemotherapy side effect management, and development of new chemotherapy protocols. Residents may have other activities including pharmacy and nursing in-services and clinical/operational projects.

**Pain Management** *(elective)*

The focus of this rotation is to provide acute pain management services to hospitalized patients, primarily following orthopedic and spine surgeries. Other patient populations may include general surgery, sickle cell, oncology related pain, and patients with acute on chronic pain. The resident will assist the Acute Pain Team in performing pain assessments on patients, identifying pain management issues and problems, developing a pharmacological care plan with the interdisciplinary team, implementing and monitoring the plan, and participating in discharge planning. An emphasis will be placed on developing the resident's knowledge of multimodal post-operative and medical pain management.

The residents will interact daily with members of the inpatient and outpatient interdisciplinary team, consisting of physicians, advanced practice nurses, bedside nurses, occupational therapists, acupuncturists, and pharmacists. Residents will attend weekly care rounds, as well as daily review of patient medications, outcomes, and side-effects.

**Practice Management and Leadership** *(required)*

The St. John's Practice Management and Leadership Learning Experience will give the resident a thorough understanding of the administrative leadership roles in a community hospital setting. The resident will actively participate in the decision making processes that support continuity of pharmacy care across the system and assist in the coordination of management resources within the department to accomplish tasks. Objectives of this rotation will be completed by working on assigned projects, having discussions with the preceptor(s), and by attending various interdisciplinary/administrative meetings. Focus areas of the rotation include, but are not limited to, budgeting and finances review, productivity monitoring, lean leadership and strategy deployment, personnel management, regulatory compliance, and operational and clinical leadership, and strategic planning.

**Research (required)**

The Research Project Learning Experience is a required longitudinal rotation for all residents. The purpose of this learning experience is to provide the resident with an opportunity to improve his/her research, project management, presentation, and leadership skills. Successful completion of a research project will better prepare the resident for practice and give the resident the necessary tools to continue research and continuous quality improvement as a pharmacist practitioner. The resident's research project will be presented as a poster at the MSHP Annual Meeting and as a presentation at a spring residency conference.

**Orientation (required)**

The St. John's Orientation Learning Experience will orient the resident to the residency program, health system, and hospital. The goal of this rotation is to provide the training and competencies necessary for the resident to fulfill the role of a community hospital staff pharmacist. Training will focus on acquiring the skills and knowledge necessary to be an independent practitioner. Emphasis will be placed on understanding the functionality of our automation and how it integrates into the medication-use process, understanding and applying policies and procedures of the pharmacy into the workflow, and incorporating best practice into the preparation, dispensing, and management of medications. The rotation will also orient the resident to the process of collecting medication histories and understanding the resources available for producing the best prior-to-admission medication list possible. The rotation will also consist of education modules and competency assessments. By the end of the rotation, the resident should be prepared to function as an independent practitioner and fulfill the residency staffing commitment.

**Staffing (required)**

The St. John's Staffing Learning Experience is a longitudinal rotation that will expose the resident to the role of a community hospital staff pharmacist. After completion of orientation and training, the resident will be expected to function as an independent practitioner. Initially, the resident will staff as a centralized pharmacist, incorporating best practice into the preparation and dispensing of medications as well as overseeing pharmacy technicians & interns and performing order entry. After completion of clinical rotations, the resident will staff as a decentral pharmacist and assume responsibility for identifying, resolving and documenting medication therapy issues and clinically managing patients, while performing patient review and order entry. This longitudinal rotation is intended to complement the resident's learning on other rotations and to prepare the resident for post-residency practice.

**Teaching Certificate (elective)**

The purpose of the teaching certificate elective is to develop the teaching, precepting, and mentoring skills of residents so they will be better equipped to provide education as clinical practitioners. The teaching certificate elective will require the resident to cultivate teaching skills through a variety of methods, including; self-study, group discussions, focused activities, educational presentations, student co-precepting, self-reflection and delivery of feedback to students and peers. At the completion of this learning experience, the resident should have strong teaching skills and the confidence to provide education effectively in a clinical setting.