

Faculty: Schleicher, Hannah

Site:

Highpoint Health

Status: Active

Required

Description:

Internal Medicine/ Infectious Disease is a required, 8-10 week learning experience at Highpoint Health. The resident will continue to expand on the skills and experiences acquired in Acute Care Operations. The role of the pharmacist includes: evaluating the appropriateness of medication regimens, participating in transitions of care, managing pharmacy consults and drug information services, as well as, code response. This learning experience primarily focuses on internal medicine, infectious disease and transitions of care. The resident will spend the majority of their time on the Med-Surg and O'Brien (general medicine) units and may follow patients in other patient care locations if applicable. Throughout this experience, the resident will collaborate with various members of the health care team including: hospitalists, specialists, nurses, respiratory therapists, dieticians, pharmacy technicians and students to provide safe and effective pharmaceutical care.

Residents will review patient profiles daily evaluating medication regimens for appropriateness and resolving any medication related problems and/or omissions. Other routine patient care responsibilities will include: completion of pharmacy consults, therapeutic drug monitoring, anticoagulation management and discharge counseling. Residents will also provide drug information to fellow healthcare providers and provide education to patients, caregivers and staff members. In addition, residents will respond to codes. Initially, residents will respond to codes in the presence of a preceptor. The preceptor will model the role of the pharmacist on the code team. As the resident gains code team experience he/she will begin serving as the pharmacist on the team. The preceptor will continue to be available to provide feedback and coaching as necessary.

Activities:

Pharmacy Consultation and Drug Information Services

Rounding on Internal Medicine patients

Anticoagulation Transition of care

Antimicrobial Stewardship

Introduction to Code Team

Topic Discussions with application to patient cases

Disease States:

The resident is expected to gain proficiency in the disease states listed below through direct patient care experiences. Topic discussions and literature review will be used to expand the resident's knowledge of disease states. Each topic will be presented with application to a patient case, when possible. Other topics will be researched and discussed as applicable.

- Hypertension
- Diabetes mellitus
- Infectious Disease: UTI, bacteremia, bone and joint infections, skin and soft tissue infections, intraabdominal infections, clostridium difficile colitis
- Gastrointestinal disorders: pancreatitis, diverticulitis, ulcerative colitis
- Anticoagulation Management

Expectation of Learners:

The resident will serve as the pharmacy contact and information source during rounds. He/she will be expected to know the Highpoint Health antibiotic formulary and suggest appropriate antimicrobial agents and dosing regimens for individual patients. He/she will also be expected to make appropriate medication regimen recommendations for patients with infectious diseases, cardiovascular, pulmonary, and endocrine disorders.

Day 1: The preceptor will review the learning experience description and evaluation strategy with the resident. Baseline self-assessment of the resident will be completed.

Week 1-2: The resident will participate in patient care rounds on the general medicine units. Rounding will occur on a subset of patients who are at high risk for readmission. The preceptor will complete patient care rounds, modeling the duties of the clinical pharmacist, and evaluate the appropriate role to precept the resident. The resident will continue to complete pharmacy consults and drug information inquiries. The resident will present a drug information question and answer to the preceptor each week. Transition of care to the Highpoint Health Anticoagulation Clinic will be modeled by the preceptor. In addition, the resident will be required to participate in a topic discussion related to a patient case each week.

Week 3-4: The resident will lead patient care rounding. The preceptor will provide feedback and coach the resident as needed. Pharmacy consults and drug information inquiries will be completed by the resident. A drug information question and answer will be presented to the preceptor weekly. The resident will complete the transition of care to the Highpoint Health ACC; the preceptor will coach the resident as needed. Each week the resident will present a patient case, referencing clinical guidelines with a topic discussion.

Week 5-7: The resident will complete patient care rounding independently. The preceptor will be available for questions and will facilitate the resident's progress. All pharmacy consults and drug information inquiries will continue to be the responsibility of the resident. The resident will continue to present a drug information inquiry to the preceptor each week. The resident will be responsible for the transition of care to the Highpoint Health ACC. The preceptor will be available to answer questions. The resident will again lead a topic discussion related to a patient case each week.

Week 8-10: The resident will complete patient care rounding in various locations throughout the hospital. In addition, residents will work closely with pharmacy students during the last few weeks of this learning experience. The resident will model the duties of a clinical pharmacist for students. Residents will be expected to provide feedback to students as warranted. The resident will continue to be responsible for pharmacy consults and drug information inquiries. A drug information inquiry will be presented to the preceptor each week. Transition of care to the Highpoint Health ACC will continue to be the responsibility of the resident. The preceptor will be available for questions and will continue to facilitate the resident's progress. The resident will continue to lead a weekly topic discussion related to a patient case.

			Activities
Goal R1.1	In collaboration with the health care team, provide safe and effective patient care to a diverse range of patients, including those with multiple co-morbidities, high-risk medication regimens, and multiple medications following a consistent patient care process		
OBJ R1.1.1	(Applying) Interact effectively with health care teams to manage patients' medication therapy	Taught and Evaluated	Demonstrate closed loop communication when interacting with members of the code team. Provide medication therapy recommendations to physicians, nurses and other health care providers when indicated.
OBJ R1.1.5	(Creating) Design or redesign safe and effective patient-centered therapeutic regimens and monitoring plans (care plans)	Taught and Evaluated	Evaluate microbiology reports to ensure the appropriate anti-infective agent is ordered. Initiate medication regimens (when consulted) and ensure the appropriate drug dose, labs and serum drug concentrations are ordered Monitor medication regimens and adjust the regimen (when consulted) or make recommendations if indicated based on labs, serum drug concentrations, drug interactions, side effect profile, etc.
Goal R1.2	Ensure continuity of care during patient transitions between care settings		
OBJ R1.2.1	(Applying) Manage transitions of care effectively	Taught and Evaluated	Confirm prescriptions and labs related to the Highpoint Health ACC are ordered appropriately. Ensure the plan of care for the Highpoint Health ACC patient is appropriately communicated to the nurse, patient and/or caregiver. For patients attending the Highpoint Health ACC, ensure discharge instructions are appropriately documented in Meditech and Standing Stone. Provide discharge medication reconciliation with the outpatient medication list in standing stone
Goal R2.2	Demonstrate ability to evaluate and investigate practice, review data, and assimilate scientific evidence to improve patient care and/or the medication-use system		
OBJ R2.2.1	(Analyzing) Identify changes needed to improve patient care and/or the medication-use system	Taught and Evaluated	Using ISMP and/or ASHP best practices identify an opportunity to improve patient care.
OBJ R2.2.2	(Creating) Develop a plan to improve the patient care and/or the medication-use system	Taught and Evaluated	After identifying an opportunity for enhancement then develop and present a plan to improve patient care.
Goal R4.1	Provide effective medication and practice-related education to patients, caregivers, health care professionals, students, and the public (individuals and groups)		
OBJ R4.1.3	(Applying) Use effective written communication to disseminate knowledge	Taught and Evaluated	Complete patient rounding summaries daily to ensure the plan of care is communicated among the pharmacists Demonstrate the ability to communicate with other health care professionals in the permanent electronic health care record Pharmacy interventions and consults should be documented in Senti 7. Documentation should provide fellow pharmacists with assessment information, plan of care and follow-up plans.

Evaluations:

	Evaluator	Evaluated	Timing
Summative Evaluation	All Preceptors	Each Resident Taking this Learning Experience	Ending and Quarterly if Needed
ASHP Preceptor Evaluation	Residents	All Preceptors of this Learning Experience	Ending and Quarterly if Needed
ASHP Learning Experience Evaluation	Residents	Learning Experience	Ending and Quarterly if Needed
Summative Evaluation	All Preceptors	Each Resident Taking this Learning Experience	50.00%