

Faculty: Schleicher, Hannah

**Site:**

Highpoint Health

**Status:** Active

Required

**Description:**

Acute Care Operations, is a required, 6-8 week learning experience at Highpoint Health. The focus of this learning experience is pharmacy operations and the connection to patient care. The role of the pharmacist includes the oversight of drug distribution, order verification and the management of pharmacy consults and drug information services. The resident will be introduced to many areas of community hospital pharmacy practice. The basic elements of drug distribution, Pyxis technology, and inventory management will be the first introduction. The resident will become proficient in order verification, pharmacy consultation processes in the pharmacy, as well as supplying drug information to fellow practitioners. Patient care responsibilities will include: order verification, review of consults, anticoagulation management, and therapeutic drug monitoring. In addition, ACLS and PALS certifications will be completed should the classes be offered during the time period of this learning experience.

**Activities:**

Order Verification

Unit Dose Packaging and Verification

Pharmacy Consultation and Drug Information Services

Sterile Compounding

Non-sterile Compounding

Patient Case Presentations with Topic discussions

ACLS Certification (Dates- TBD)

PALS Certification (Dates- TBD)

**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.

- COPD
- Pneumonia
- Congestive Heart Failure
- Renal failure and Hemodialysis
- VTE prophylaxis
- Acute Coronary Syndromes
- Stroke
- Sepsis
- Adverse Drug Reaction Evaluation

**Expectation of Learners:**

Day 1: Preceptor to 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 complete basic duties associated with drug distribution, inventory management and order verification. The preceptor will provide feedback and coach the resident as needed. The resident will review hospital policies related to drug distribution and processes, as well as, both sterile and non-sterile compounding. Pharmacy consults will be completed by the pharmacist; modeling the role of the clinical pharmacist in the health care team. In addition, the resident will be responsible for a literature search and topic discussion related to a patient case each week.

Week 3-4: The resident will perform basic duties related to drug distribution, inventory management and order verification. The preceptor will continue to be available for questions and will facilitate the resident's development. The resident will complete pharmacy consults, while receiving feedback and coaching from the preceptor as needed. Resident will ensure he or she is able to complete any consults captured in Sentry 7 by the end of week four. Additionally, the resident should ensure sterility testing, as well as, any other 797 requirements for sterile compounding are complete by the end of week four. Each week the resident will research and participate in a topic discussion related to a patient case.

Week 5-6: The resident will continue to practice drug distribution, inventory management and order verification. The resident will now be responsible for all pharmacy consults, including those consults not captured in Sentry 7. The preceptor will be available for questions as needed. Drug information questions will be directed to the resident, with the assistance of a pharmacist. The resident will again present a patient case along with a weekly topic discussion.

Week 7-8: The resident will continue to be responsible for drug distribution, inventory management, order verification, drug information inquiries and all pharmacy consults. Residents should focus on pulling all aspects of this learning experience together during the final two weeks of Acute Care Operations. The resident should focus on time management skills by prioritizing and continuously reprioritizing the various responsibilities of the hospital pharmacist. Residents should feel confident functioning as an independent practitioner at the close of this learning experience. The resident will lead a patient case discussion each week, again, referencing clinical guidelines with a topic discussion.

			<b>Activities</b>
<b>Goal R1.1</b>	<b>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</b>		
OBJ R1.1.4	(Analyzing) Analyze and assess information on which to base safe and effective medication therapy	Taught and Evaluated	Assess medication orders for appropriateness during the order verification process (e.g. dose, drug interactions, indication, therapy duplication, allergies, route, etc) Present a patient case with appropriate recommendations according to current clinical practice guidelines
OBJ R1.1.7	(Applying) Document direct patient care activities appropriately in the medical record or where appropriate	Taught and Evaluated	Document all Renal consults, ADR consults and/or Fall Risk consults in Meditech with a progress note Document an initial progress note in Meditech for all pharmacokinetic consults and/or heparin consults. Additional progress notes should be written for pharmacokinetic consults when drug concentrations are reported from the lab or after any change in dose Ensure appropriate override comments are used when applicable during the order verification process Ensure the appropriate order source is selected when entering orders (e.g. 'PHA', 'PT', etc)
OBJ R1.1.8	(Applying) Demonstrate responsibility to patients	Taught and Evaluated	Complete all daily patient care activities and resolve any medication-related issues by the end of each shift. If an issue cannot be resolved, ensure it is appropriately communicated to the next shift. Develop a strategy to complete routine patient care activities daily. Prioritize activities based on patient needs. Reprioritize activities throughout the day as needed.
<b>Goal R1.3</b>	<b>Prepare, dispense, and manage medications to support safe and effective drug therapy for patients</b>		
OBJ R1.3.1	(Applying) Prepare and dispense medications following best practices and the organization's policies and procedures	Taught and Evaluated	Check unit dose packaging for accuracy and ensure it is recorded properly. Demonstrate appropriate sterile and non-sterile compounding techniques. Verify medication orders in accordance with Highpoint Health policies and procedures
OBJ R1.3.2	(Applying) Manage aspects of the medication-use process related to formulary management	Taught and Evaluated	Acquire non-formulary medications from a local pharmacy when appropriate. If a non-formulary medication is required but unable to be obtained from our wholesaler or a local pharmacy, ensure use of patient's home medication abides by Highpoint Health policies and procedures. Review medication orders for adherence to the hospital formulary and recommend appropriate formulary substitutions when necessary.
<b>Goal R2.1</b>	<b>Demonstrate ability to manage formulary and medication-use processes, as applicable to the organization</b>		
OBJ R2.1.3	(Analyzing) Identify opportunities for improvement of the medication-use system	Taught and Evaluated	Identify potential problems with the current medication-use system and present them to the pharmacy team at a morning huddle. Be prepared to provide recommendations for improvement.

**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%
Summative Evaluation	Residents	Each Resident Taking this Learning Experience	Beginning