Faculty: Barber, John; Yatsko, Joshua A.

Site:

Highpoint Health

Status: Active

Not Required

Description:

Informatics can be a four week or longitudinal elective learning experience at Highpoint Health. This learning experience will focus on software and hardware utilized by pharmacy services, as well as the reports generated from the systems. Pharmacy staff maintains and updates the technology used within the department. The resident will work with external departments, as well as the pharmacy staff to aid in optimization of the technology used.

Topics to be covered:

Electronic Health Records

Pyxis

Standing Stone

Sentri 7

Sigma Smart Infusion Pumps

Additional projects that are ongoing with the Informatics Technology team

Expectation of Learners:

The residents will gain baseline operational knowledge of all topics listed above, as well as others that arise throughout the course of the learning experience. This experience will largely be dependent on any obstacles that pharmacy services are asked to overcome. The resident will have the opportunity to tailor the experience to his/her interests at the discretion of the preceptor.

Expected progression of the resident for this learning experience:

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

Part 1: The first part will focus on Meditech. The resident is expected to have baseline operational knowledge of the system prior to the start of the learning experience. This will focus on the construction of the pharmacy dictionary, CPOE, bar coding, and other areas of Meditech that are pharmacy driven.

Part 2: The resident will continue to work with Meditech, and will be introduced to Sentri 7, as well as Pyxis. The resident will begin learning how a Pyxis is built, the interface, as well as some of the reports that are generated by Pyxis. The resident will also learn how to write logic rules for Sentri 7, as well as interpret the monthly data report.

Part 3: The resident will expand his/her knowledge of Meditech, Pyxis and Sentri 7, as well as introduce the Sigma Smart Infusion Pumps and Standing Stone. The resident will take part in an evaluation of the pump dictionary, as well as the utilization review. Standing Stone reports will be discussed and evaluated for optimization.

Part 4: The resident will have the opportunity to spend part 4 learning more in an area of interest. If at this time the pharmacy is tasked with a specific area, the resident will spend time in that capacity.

			Activities
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 R2.2.2	(Creating) Develop a plan to improve the patient care and/or the medication-use system	Taught and Evaluated	Utilizing one of the pharmacy systems, evaluate current reports and develop a plan to improve the current process.
OBJ R2.2.3	(Applying) Implement changes to improve patient care and/or the medication-use system	Taught and Evaluated	Using the plan developed, implement a change in process to improve patient care or the medication-use system.
Goal R3.2	**Demonstrate management skills**		
OBJ R3.2.1	(Understanding) Explain factors that influence departmental planning	Taught and Evaluated	Discuss with the preceptor the process of adding a drug to Meditech and the importance of following each step. Provide examples of pharmacy operations that require more than one system to be updated with a change in the pharmacy.

| OBJ R3.2.2 | (Understanding) Explain the elements of the pharmacy enterprise and their relationship to the health care system | Taught and Evaluated | Discuss downtime processes when planned and unplanned. Elaborate on the impact this has on pharmacy service to the hospital as well as outpatient services. Discuss the different interfaces that are required for the pharmacy to maintain current services to the hospital. |
| OBJ R3.2.3 | (Applying) Contribute to departmental management | Taught and Evaluated | Assist the responsible pharmacist with report evaluations of the current systems. |

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	Residents	Each Resident Taking this Learning Experience	Beginning
Summative Evaluation	All Preceptors	Each Resident Taking this Learning Experience	50.00%