**U Montana/Community Medical Center PGY1 Residency**

# Pharmacy Residency Rotation in Pharmacy Systems

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**Introduction:**

The Pharmacy Systems rotation is a four-week required learning experience placed at the start of the residency immediately following the orientation time period. The focus of the rotation is centered on the resident’s learning and participating in the drug distribution process in the centralized pharmacy. The primary aim of the rotation is to develop the resident’s ability to independently function within the medication system of the institution.

**Learning Activities:**

Participation in this rotation will include taking part in the following activities.

1. Complete the UM and CMC Orientation programs
2. Complete the Cerner pharmacy system tutorial
3. Work side-by-side with a pharmacist or technician to become proficient in the distribution of pharmacy-related products in the hospital
4. Learn and effectively utilize the hospital formulary and pharmacy-managed protocols
5. Develop skills in working with, and managing supportive personnel in the pharmacy

**Rotation Objectives:**

**R1.3.1 Prepare and dispense medications following best practices and the organization’s policies & procedures (Applying)**

* Demonstrates appropriate interpretation of medication orders and enters them appropriately in Cerner computer system
* Verifies and dispenses medications accurately and safely
* Prepares sterile products by demonstrating aseptic technique and knowledge regarding the preparation process

**R1.3.2 Manage aspects of the medication-use process related to formulary management (Applying)**

* Learns and utilizes hospital policies and protocols approved for formulary management (e.g. auto-substitution, pharmacy-to-dose orders)
* Understands and utilizes the non-formulary and patient own medication processes appropriately

**R1.3.3 Manage aspects of the medication-use process related to oversight of dispensing (Applying)**

* Demonstrates the ability to safely and effectively utilize our medication-use system
* Demonstrates the ability to safely and effectively verify the work of technicians and other support personnel
* Utilizes appropriate verbal communication to provide medication related issues with other pharmacists or healthcare providers

 **R3.1.1 Demonstrate personal, interpersonal, and teamwork skills critical for effective leadership (Applying)**

* Demonstrates an effective working relationship with other pharmacists, technicians and other healthcare providers
* Effectively manages supportive personnel in the pharmacy

**R3.1.2 Apply a process of on-going self-evaluation and personal performance improvement (Applying)**

* Progress from the learner to the independent practitioner as it relates to the pharmacy medication system
* Demonstrate progression in performance by critically self-evaluating the root of problems or misunderstandings related to the pharmacy system

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| **Taught and Evaluated Objectives** | **Activities** |
| **Goal R1.3** | **Prepare, dispense, and manage medications to support safe and effective drug therapy for patients** |  |
| OBJ R1.3.1 | (Applying) Prepare and dispense medications following best practices and the organization's policies and procedures |  |
| Complete Cerner pharmacy computer system tutorial |
| Participate in medication distribution system for both inpatients and outpatients |
| OBJ R1.3.2 | (Applying) Manage aspects of the medication-use process related to formulary management | Review the pharmacy policy & procedure manual, learn the hospital formulary, and develop competency to manage pharmacy protocols, e.g. therapeutic interchange program |
| OBJ R1.3.3 | (Applying) Manage aspects of the medication-use process related to oversight of dispensing | Establish a working relationship with pharmacy staff as well as physicians, nurses, and others to effectively deliver medications to patients |
| Supervise and oversee technician & intern activties within the pharmacy to optimize medication delivery |
| **Goal R3.1** | **Demonstrate leadership skills** |  |
| OBJ R3.1.1 | (Applying) Demonstrate personal, interpersonal, and teamwork skills critical for effective leadership | Establish a working relationship with pharmacy staff as well as physicians, nurses, and others to effectively deliver medications to patients |
| Supervise and oversee technician & intern activties within the pharmacy to optimize medication delivery |
| OBJ R3.1.2 | (Applying) Apply a process of on-going self-evaluation and personal performance improvement | Review the pharmacy policy & procedure manual, learn the hospital formulary, and develop competency to manage pharmacy protocols, e.g. therapeutic interchange program |
| Provide patient medication education |

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| **Goal R3.2** | **Demonstrate management skills** |  |
| OBJ R3.2.4 | (Applying) Manages one's own practice effectively |  |
| Participate in medication distribution system for both inpatients and outpatients |
| Establish a working relationship with pharmacy staff as well as physicians, nurses, and others to effectively deliver medications to patients |
| Provide patient medication education |

**Evaluations:**

* Preceptor summative evaluation of resident – end of rotation
* Resident evaluation of preceptor – end of rotation
* Resident evaluation of the learning experience – end of rotation
* Resident self-evaluation- end of rotation
* A meeting will be set up between the preceptor and resident to review the summative evaluations following their completion. This meeting will take place no later than one week following the end of the rotation, unless the resident is off-site at Camp Huff n’ Puff or Diabetes Camp, in which case the meeting will take place the following week.