

**Rotation Name:** Pharmacy Supply Chain (Elective)

**Rotation Preceptors:** Kavish Choudhary, Pharm D, MS

**Site Description:**

University of Utah Hospitals & Clinics (UUHC) is comprised of 4 hospitals, 18 clinics, 15 retail pharmacies, 3 infusion centers, ambulatory clinic services, and a comprehensive drug information service. University Hospital is a 436 bed, level 1 trauma center with strong critical care, emergency medicine, surgical services, obstetrics and gynecology, neonatal, internal medicine and subspecialties, neurosciences, and rehabilitation. University Neuropsychiatric Institute is an 80 bed inpatient psychiatric facility. The Huntsman Cancer Center consists of a 50 bed inpatient service, an ambulatory infusion suite, and extensive ambulatory cancer clinics, including bone marrow transplant. The University Orthopaedic Hospital provides mostly ambulatory care surgery services plus orthopaedic specific clinics. At UUHC, the ambulatory care network includes the Community Clinics, located throughout the Salt Lake Valley, and the specialty clinics and infusion room at University Hospital. While on rotation, the resident will primarily be at University Hospital but will have the opportunity to visit numerous UUHC sites.

**Rotation Description:** UUHC purchases nearly 80 million dollars a year in drugs. As a system, UUHC is eligible to acquire drugs at Public Health Service pricing, or 340B pricing for use in the outpatient setting. The resident will develop an understanding of UUHC's drug procurement process and associated policies, including regulations that pertain to 340B pricing. While on rotation, the resident will also develop an understanding of UUHC's drug costs, contracting process, negotiations, vendor relations and interact with UUHC's group purchasing organization and wholesalers. The resident will learn inventory management strategies and methods of implementing formulary additions, changes and deletions. In addition, the resident will become actively involved in managing medication shortages, backorders and recalls. The resident will be introduced to the department's compliance, supply chain, revenue integrity, regulatory and financial issues. Residents will also be involved with the drug budgeting process if applicable. Residents will complete several projects to apply key concepts and understand how to justify pharmacy services via supply chain management.

**RLS Goals**

- R3.1 Exhibit essential personal skills of a practice leader.
- R5.1 Provide drug cost forecasting.
- R5.2 Understand organizational decision-making for contracting for pharmaceuticals.
- E1.2 Represent the pharmacy perspective to the organization's design and application of its technology and automation systems.

Custom Describe the process of managing drug shortages in a health-system, from the point a shortage is identified, to the point of minimizing patient impact.

**Activities Evaluated:**

<b>Rotation Activity</b>	<b>RLS Goal</b>	<b>Teaching Methods</b>
Attend meetings with department leaders. Understand the relationship pharmacy has with other departments. Discuss change management and leadership styles and philosophies, specifically during weekly topic discussion sessions between the resident and preceptor.	R3.1	Instruction Coaching Modeling
Participate in drug budget forecasting and subsequent drug budget development. During rotation resident will be assigned or asked to assist with activities associated with forecasting and budget developing, including, but not limited to drug pipeline review, facilitating meetings with UUHC service lines (i.e. transplant, cardiology, etc), modeling development and inflation analysis.	R5.1	Modeling Coaching
Review pharmaceutical contracts. Identify specific characteristics of the majority of UUHC pharmaceutical contracts. If opportunity presents during rotation, resident will	R5.2	Instruction Modeling Coaching

be responsible for preparing a final version of a pharmaceutical contract for signature by Administrative Director of Pharmacy.		
Review revenue cycle. Attend pharmacy compliance meetings and participate in on-going projects related to revenue cycle, billing and/or pharmacy compliance.	R5.2	Instruction Modeling Coaching
Attend meetings with vendors, medical service representatives, Supply Chain Management Team, Products Evaluation Committee, Technology Assessment, and P&T Committee and apply lessons learned to enhancing medication-use system and associated policies.	R5.2	Modeling
Understand UUHC drug procurement policies and processes. Work with the pharmacy purchasing staff to procure regular drug supply from the wholesaler, in addition to placing orders for drop shipment items, direct orders and emergent drug orders.	R5.1	Instruction Modeling
Review supply chain management issues. Describe the implications of 340b pricing for the organization. Review 340b splitting software with pharmacy buyer.	R5.2	Instruction Modeling
Conduct a project related to a change in supply chain at UUHC. Examples of projects include: formulary change, managing drug shortages, backorders and recalls. Understand the automation changes and automation stakeholders required to accomplish these types of projects.	R5.2 E1.2	Instruction Modeling Coaching Facilitation
Effectively communicate departmental and organizational changes surrounding a drug shortage, backorder or recall. Be able to identify key stakeholders and communicate with them in a timely and concise manner. Specifically, present shortage, recall and supply issues at University Hospital Inpatient Pharmacist and Technician Staff Meetings, draft bi-weekly email to all pharmacy staff regarding supply chain issues and submit a supply chain related article to the department newsletter.	Custom	Coaching Facilitation

**Readings and Preparatory Work:**

1. [Readings on H:\Rx Pharmacists\Resident Supply Chain Rotation](#)
2. 340b Tutorial: <https://www.340bpvp.com/public/gps/gps.html>

**Project Description:** The resident will have the opportunity to work on a wide range of relevant supply chain management projects during the rotation. Projects will be concentrated on topics and initiatives that will enable to resident to work with different areas within the department of pharmacy as well as departments throughout the entire organization. Project opportunities will be driven by current organizational initiatives and may require the resident to facilitate meetings and make presentations.

**Typical Daily / Weekly / Monthly Activities:**

Usual time for rotation is 8:00 am to 5:00 pm, but it is necessary for the resident to be flexible in their schedule due to variable meeting times. The rotation schedule will be reviewed at the beginning of the week and will likely be updated throughout the week. An additional meeting at the end of the week will be scheduled to review what was learned over the course of that particular week.

**Evaluations:** Evaluations will be documented in Resitrak™. At the midpoint of this rotation the preceptor will evaluate the resident. At the end of each rotation, the resident will self-evaluate, the preceptor will evaluate the resident, and the resident will evaluate both the preceptor and the learning experience.