

PHARMACY SERVICES KAWEAH DELTA HEALTH CARE DISTRICT

The Pharmacy Department at KDHCD provides both inpatient and outpatient pharmacy services consisting of six licensed pharmacies and a Department of 100+ staff with over 55 pharmacists.

Areas of Operation:

Inpatient	Outpatient
Inpatient Pharmacy -24/7	KD Home Infusion Pharmacy
West Campus Pharmacy – Rehab & Mental Health Hospital	KD Outpatient Pharmacy – Meds to Beds Delivery
South Campus Pharmacy – Subacute & Skilled Nursing	Rural Health Care Clinics – Clinical Pharmacist based services
	KD Employee Pharmacy

INPATIENT PHARMACY SERVICES

• Inpatient Pharmacy Services

- Provides service at the 3 KDHCD acute care campuses
 - **Main Medical Center, West Campus, South Campus**
- Medical Center Pharmacy operates 24/7
- 80+ staff members
- Employs extensive pharmacy-related technology to provide safe and efficient services
- Teaching affiliation with Schools of Pharmacy, hosting an average of 50 pharmacy student rotations each year
- American Society of Health-Systems Pharmacists-accredited PGY1 Pharmacy Residency Program - 2 residents

OUTPATIENT PHARMACY SERVICES

• Outpatient Pharmacy Services

- **KD Home Infusion Pharmacy - Location: 602 W. Willow**
Services offered include: antibiotic therapy, enteral and parenteral nutrition, hydration therapy, pain management, other injectable pharmaceuticals
- **KD Outpatient Pharmacy - Location: 202 Willow Building, 1st floor**
Provides meds-to-beds prescription service for inpatients being discharged and community members at large.
- **KD Employee Pharmacy - Location: 602 W. Willow**
Provides prescription services for KD employees and their families.
- **Ambulatory Care & Transition based Clinical Pharmacy Services**
 - **Chronic Disease Management Center – 325 S Willis**
 - **Family Medicine Clinic – 202 Willow Building**
 - **Rural Health Care Clinics – Exeter, Lindsay, Dinuba, Woodlake**
 - Teaching affiliation with Schools of Pharmacy, hosting an average of 50 pharmacy student rotations each year
 - American Society of Health-Systems Pharmacists-accredited PGY2 Pharmacy Residency -Ambulatory Care - 1 resident

INPATIENT PHARMACIST SERVICES

• Clinical Pharmacist Team

- Clinical Pharmacists are available on most nursing units
- Participate in bedside rounds, code blue and rapid response team calls
- Provide patient-specific and comprehensive drug information
- Highly trained, patient-centered
 - ~80% have completed at least 1 year of post-graduate residency training
 - ~40% are board certified as pharmacotherapy specialists or similar certification
- Specialty Pharmacist Services are available as follows:

Anemia Management	Infectious Disease
Anticoagulation	Medication Safety
Critical Care	Oncology
Emergency Medicine	Pain Management
Formulary Management	Pediatrics

MEDICATION USE PROCESS

- Medication orders electronically entered in CPOE using P&T approved order sets
- All new medication orders are sent to Pharmacy via CPOE
 - Orders are processed in the order they are received except STAT orders are processed first
- All medication orders are reviewed and verified by a pharmacist
- Medications are made available for administration via:
 - Unit Based Cabinets (Pyxis) – 97% of medications
 - From Central Pharmacy to Patient Care Area Medication Room via pneumatic tube system or courier
- Medication Administration is performed using bar code technology

COMPLETE MEDICATION ORDERS

- A complete medication order includes:
 - Drug name, dose, frequency, route and indication for PRN orders, date, time and prescriber signature/ID number
- The pharmacist will call the prescriber to clarify any order that is incomplete or unclear
- Examples:
 - Therapeutic duplication – More than one pain medication for the same intensity of pain
 - Titration orders with no min/max/goal defined
 - Blanket order for “resume all” medications are prohibited

PHARMACIST CONSULT SERVICES

Service Available	Order Required
Pharmacokinetic Consult Service - Aminoglycosides/Vancomycin	“Consult to Pharmacy - Vancomycin” Include indication of therapy
Warfarin Management Consult Service	“Consult to Pharmacy - Warfarin”, Include indication and target INR
Anemia Management (Epoetin and Iron) Consult Service	“Consult to Pharmacy – Anemia Management” Include indication
Pharmacist Pain Consult Service	“Consult to Pharmacy – Pain Management”, Include pain diagnosis & reason for consultation
Transitions of Care for High Risk Patients	No specific order required - Verifies home medication list Reviews discharge medication list Education on high risk meds at discharge

AUTOMATIC CONSULT SERVICES

- Automatic, per P&T approved medication protocols
- **Age-Specific Sedative Dose Reduction:**
 - Automatic dose reduction of bedtime sedative doses for patients ≥ 65 as a part of our fall prevention program
 - **Renal Dose Adjustment:**
 - Automatic dose adjustment in pts with reduced renal clearance and/or age ≥ 60 in addition to daily review of renal function, ongoing monitoring and dose adjustment
 - **IV to PO switches:**
 - Automatic IV to PO transition for select medications
 - **Automatic Therapeutic Interchanges:**
 - Allows the pharmacist to automatically adjust medication orders based on formulary availability
 - List of all interchanges available on KDNET