Interoperability between EMR and Medication Dispensing Cabinet Nursing Workflow Impact Marie Kozel, MBA, BSN, RNC-BC

Introduction

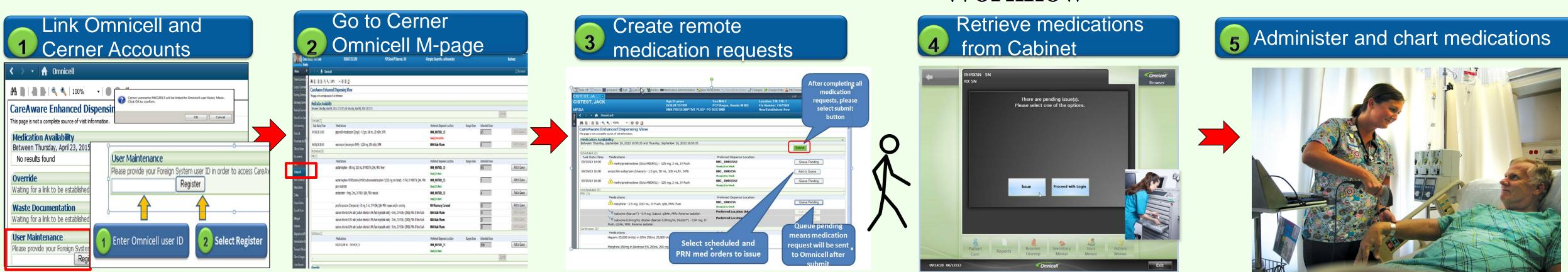
Methodist Health System Omaha, Nebraska



3 Acute Care Facilities

- -Methodist Hospital (423 beds)
- -Jennie Edmundson Hospital (206 beds)
- -Methodist Women's Hospital (112 beds)

- 1995-Initial Medication Dispensing Cabinets
- 1998-Cartless Model for First Dose Dispensed
- 36 Anesthesia Workstations

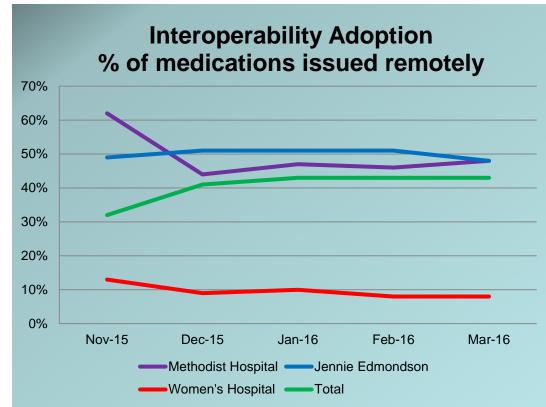


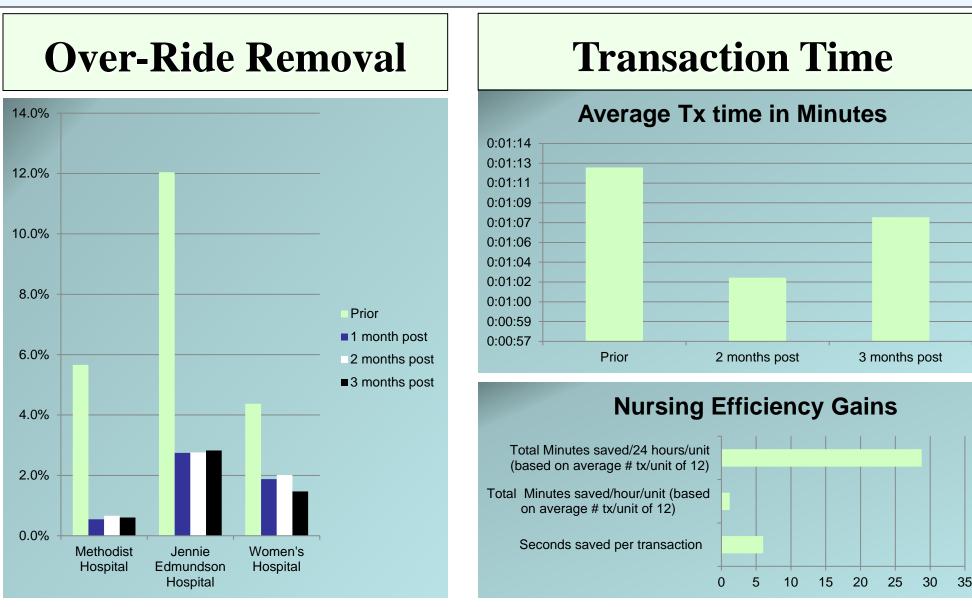
Adoption

Interventions

Working with both vendors to improve performance

- •Slow to load M-Page
- •Slow to send issue message to cabinet





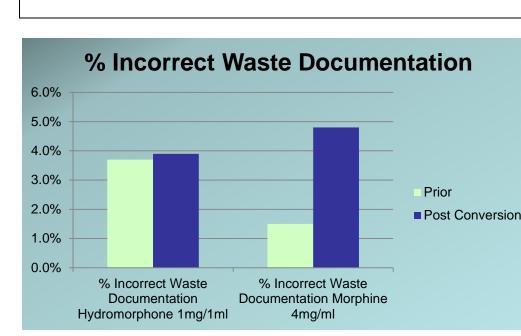


Project Goals

- Interoperability with EMR
 - Improved nursing workflow
 - Increase nursing satisfaction
 - Seamless integration with EMR
- Improved vendor support model
- Maintain/Improve Pharmacy features
- Alignment with ACO
- Financial model improvements

Workflow

Workflow Impact Analysis

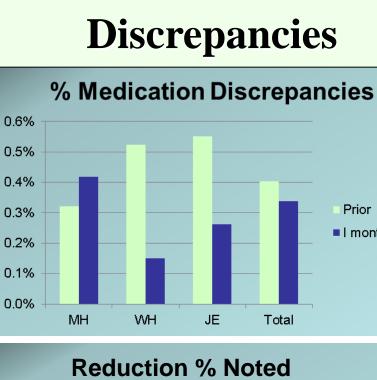


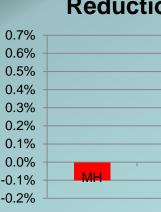
Waste Documentation

Interventions

•Witness added to waste documentation

•Consider dis-allowing remote wasting







Implementation Overview

- End User involvement in selection
- Nursing and Pharmacy
- Analysis during 3 vendor fares
- Hands on evaluation with review



- 2 Site visits
- 5 facilities (3 hospitals and 2 clinics)
- 85 patient locations, 108 pieces of equipment
- Rolling implementation over 6 weeks

Prior

I month post

Remote Waste Medication of 6 partial dose (if needed) via Omnicell M-Page

Show All Medications to Waste	
abinet.	
Hatton, Valerie.	
	Show All Medications to Waste abinet. Hatton, Valene.

Looking Forward



"No Longer a Pharmacy System – Now a clinical system that impacts pharmacy, nursing and IT"

- Ergonomics-shelves too high/too low
- Overhead lighting limits clarity of cabinet lighting notification
- Pharmacy change Control and Standardization
- Password reset timing increased to 120 days
- ED Over-ride process streamlined