

# Clinical Safety & Effectiveness Cohort # 8

#### Overdue Results at Westover Hills



SAN ANTONIO

**Educating for Quality Improvement & Patient Safety** 

## FINANCIAL DISCLOSURE

- **Stella Koretsky, MD** has no relevant financial relationships with commercial interests to disclose.
- **Jeanette Jimenez-Hernandez's** financial relationships with commercial interests will be disclosed prior to her presentation.
- John Cange's, BS, BA financial relationships with commercial interests will be disclosed prior to her presentation.
- **Valerie J. Works-Gomez's, BS, RHIA** financial relationships with commercial interests will be disclosed prior to her presentation.

# Team Makeup

### **CSE Participants**

- Stella Koretsky, MD, Medical Director Westover Hills
- Jeanette Hernandez, Clinic Manager Westover Hills
- Valerie Works-Gomez Director, HIM UT Medicine
- ❖ John Cange Director, EpicCare UT Medicine



#### **Extended Team:**

- Glen Lam, Reporting Analyst UT Medicine
- Jarrod Power, EpicCare UT Medicine
- Tim Davis, HIM Mgr. UT Medicine
- Eli Mendiola, HIM Supv. UT Medicine
- Cindy Escalera, MA Westover Hills
- Efrain Esqueda, LVN Westover Hills
- Roxanne Gonzales, MA Westover Hills

## AIM Statement

Reduce Overdue Results at Westover Hills Family Medicine clinic by 80% by September 30<sup>th</sup>, 2011



## **Problem Definition**

- ➤ Overdue Results (ODR) occur when expected date for an ancillary result is exceeded by:
  - 7 days for a "Future" orders
  - 0 days for Clinic-performed "Normal" procedures
- DDR messages are delivered to clinical staff's Epic (EMR) In Baskets. With nearly 1,900 messages to 'manage', staff is overwhelmed. Not a priority.
- > ODR negatively impact timeliness of care and potential loss of revenue from cancelled appointments.

# Patient Impact

1. National Committee for Quality Assurance (NCQA)

Track and Coordinate Care Standard (#5)

"Practice has documented process for and demonstrates:

o Tracks lab tests and flags and follows-up on overdue results."

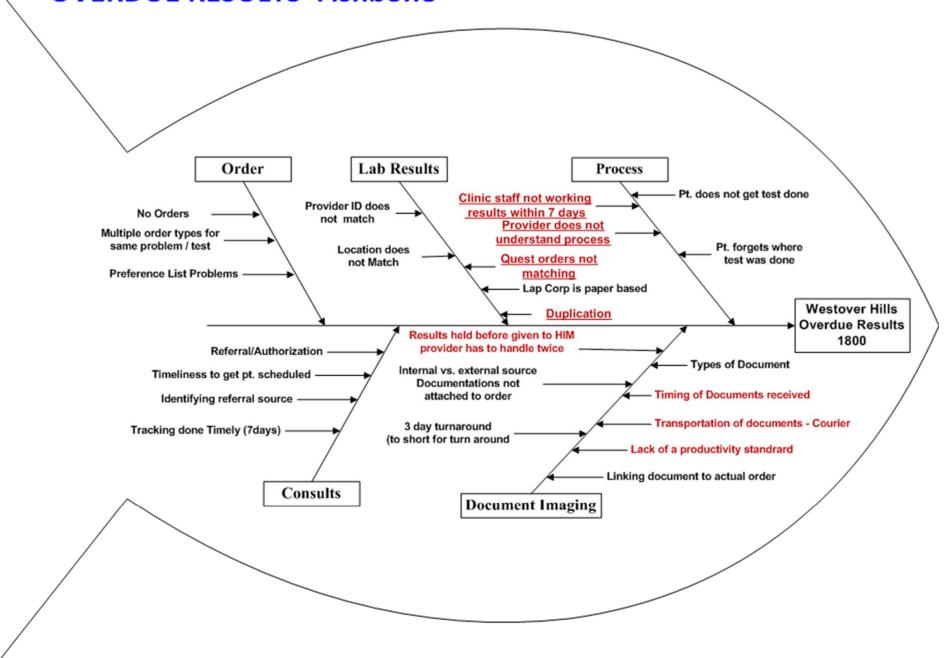
#### 2. JCAHO

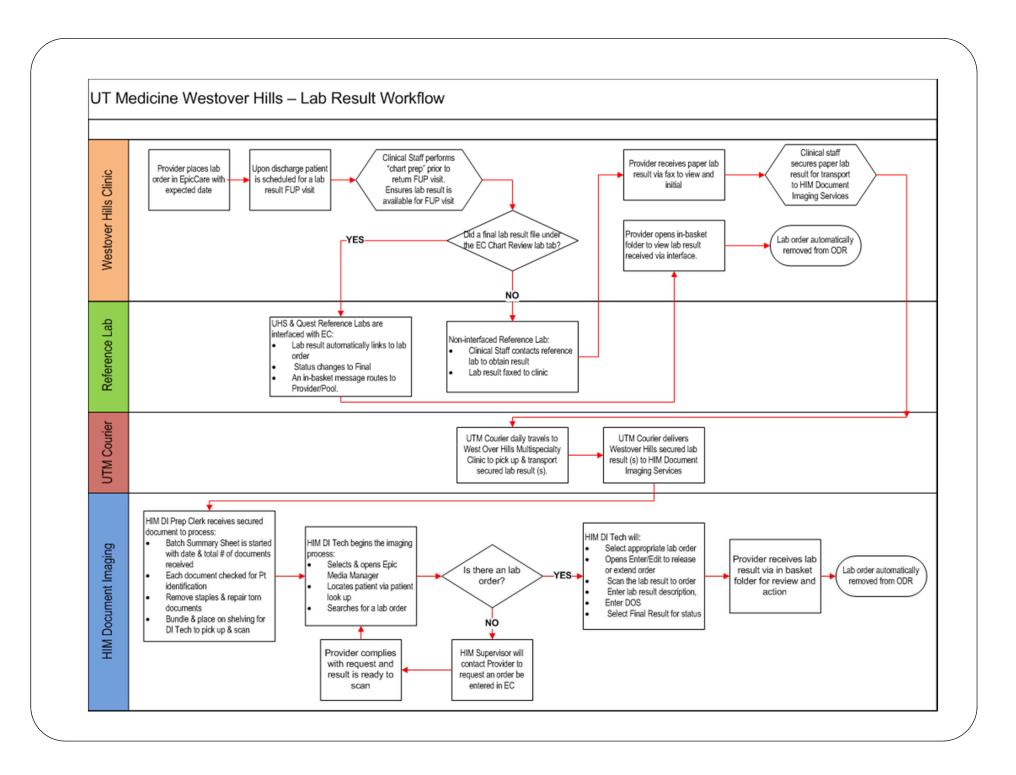
"The JCAHO requires health care organizations to **track and improve** the timeliness of reporting and **receipt of critical test results** by the responsible licensed caregiver."

Analysis of Laboratory Critical Value Reporting at a Large Academic Medical Center. Anand S. Dighe, MD, PhD, 1 Arjun Rao, MBBS, MBA, 2 Amanda B. Coakley, RN, PhD, 3 and Kent B. Lewandrowski, MD1 Am J Clin Pathol 2006;125:758-764

3. Lit. Review: no relevant ODR, patient safety studies found in moderate scan of the literature (PubMed, NEJM, Google).

#### **OVERDUE RESULTS Fishbone**





# Quantify the Problem: UT Medicine vs. Westover Hills

Annual # Orders – UT Medicine: 454,984 (projected)

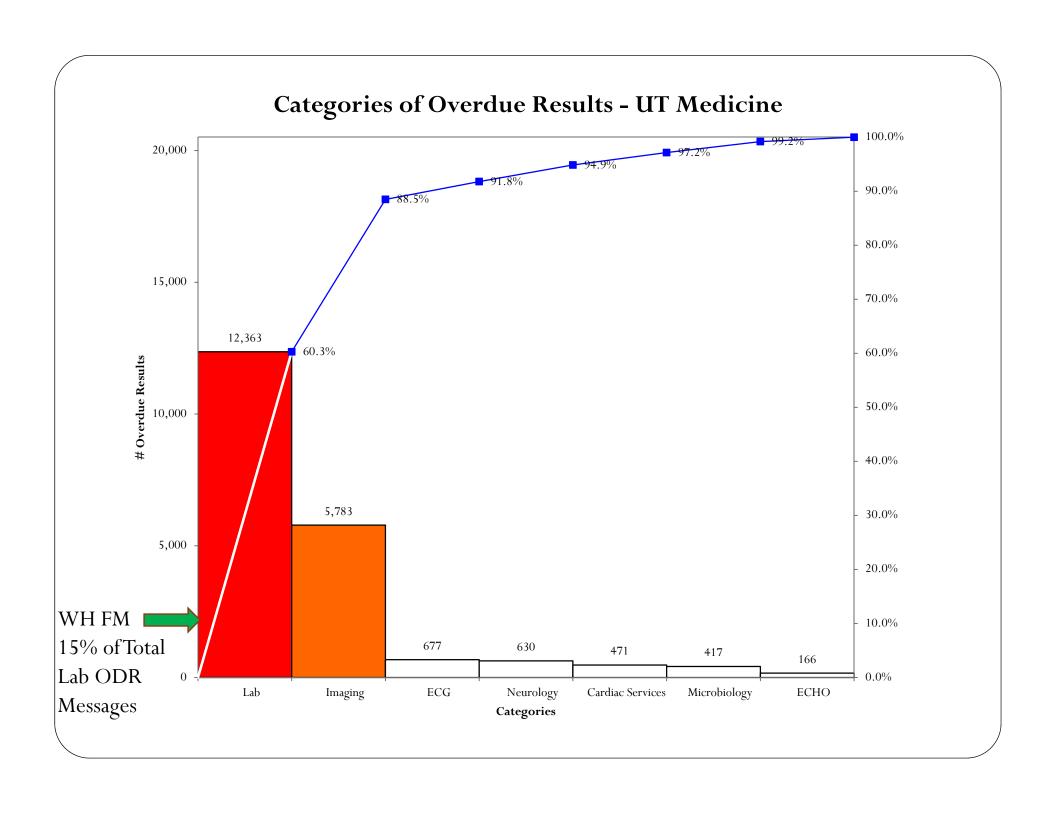
Overdue Results – UT Medicine: 22,528 (projected)

= 4.9% OVERDUE (ALL UT Medicine)

Annual # Orders – Westover Hills: 14,063 (projected)

Overdue Results – Westover Hills: 1,895 (6/24/11 snapshot)

= 13.4% OVERDUE (All Westover Hills)



# Quantify the Problem: Westover Hills

Westover Hills makes a good "pilot site" for UT Medicine-wide rollout. WH ODR is nearly 3 times the average for all UT Medicine. Also:

6.54% of "Normal" orders overdue

49.55% of "Future" orders overdue

Re-Scope: Focus on Future Lab Orders!

# DISCOVERIES - June to September, 2011

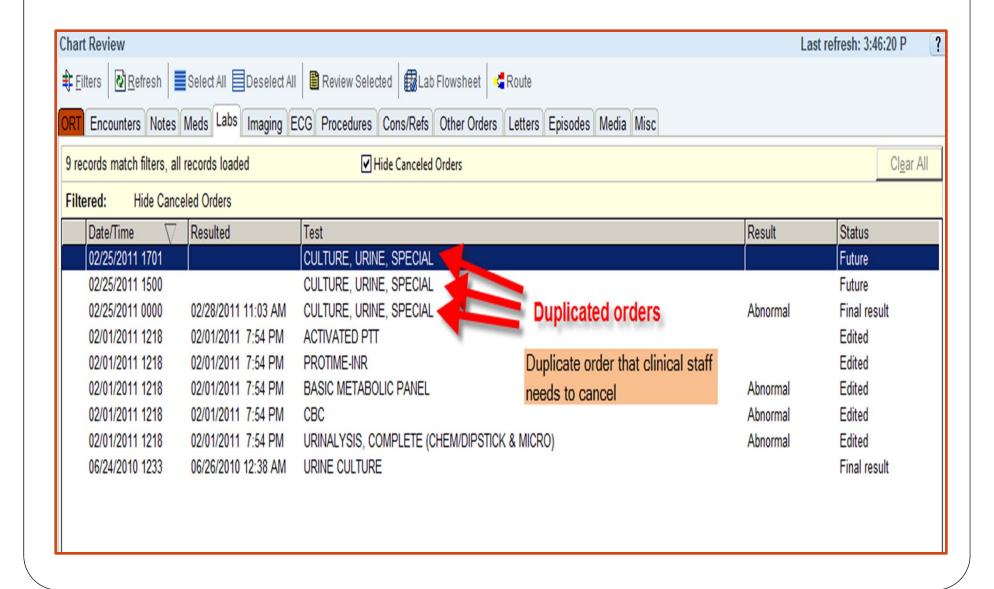
- H&H vs. CBC issue
- BUN vs. Chem confusion
- Duplicate tests/results: Quest error, provider error
- Physicians not changing Expected Date default ('today')
- "Result Notes" column header is not about Results creates confusion
- Clinic staff not always resulting same-day POC tests/procedures (causes ODR for same-day tests)
- Clinic staff not 'working' ODR messages
- Postponing ODR messages only delays awareness of scope of problems



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# **Duplicate Orders**



### Interventions

#### Imaging / HIM Interventions: 6/25/11

- 1. Establish Productivity Standards for HIM Document Imaging Services
  - Scan TAT of 72 hours or less -- 400 clinical documents /8 hr. day to meet required
- 2. Improve document delivery: WH Clinics to UT Med HIM via UTM Courier
- 3. Reduce Provider-to-HIM handoffs so Provider handles one result via in-basket

#### EpicCare Applications: 7/15/11

1. Increase reliability of ODR data and message delivery by correcting message delivery settings (releasing ~5,000 ODR 'held' in error to clinic pools)

#### Westover Hills Clinical Operations:

- 1. Establish 'cleanup' process by clinical staff to reduce # ODR. 6/24/11
- 2. Institutionalize process, maintain manageable levels of ODR:  $9/1/11 \rightarrow$
- 3. Train physicians & staff to understand order types, expected dates.  $9/1/11 \rightarrow$

