

UHS Overview

William Phillips
Vice President/CIO



University Health System



- ▶ Nationally recognized academic medical center
- ▶ University Hospital, the lead Level I Trauma Center for 22 South Texas counties
- ▶ 16 community clinics
- ▶ Community First Health Plans
- ▶ Community Medicine Associates
- ▶ San Antonio AirLife



HIMSS Analytics

UHS Adaptive Model

Category	Score
Overall	95
Leadership	95
Strategy	95
Structure	95
Processes	95
People	95
Technology	95
Measurement	95
Improvement	95



CHIME

College of Healthcare Information Management Executives
Transformational Leadership Award 2008



UHS Mission

To promote the good health of the community by providing the highest quality of care to both inpatients and outpatients, by teaching the next generation of healthcare professionals and by supporting research thereby advancing medical knowledge and improving the delivery of patient care.



3rd Largest County Hospital District in Texas

- ▶ 2007 operating budget of \$732 million
- ▶ 4,500 employees
- ▶ 1,700 physicians
- ▶ Primary Teaching facilities for UTHSCSA

Annual Activity:

- ▶ 70,000 emergency room visits
- ▶ 22,000 discharges
- ▶ 3,000 births
- ▶ 22,000 ExpressMed Visits
- ▶ 550,000 outpatient visits
- ▶ 1.1 million prescriptions filled



Level I Trauma Mission

Trauma Service Area P



Size:
26,770 sq miles
Larger than 17 states

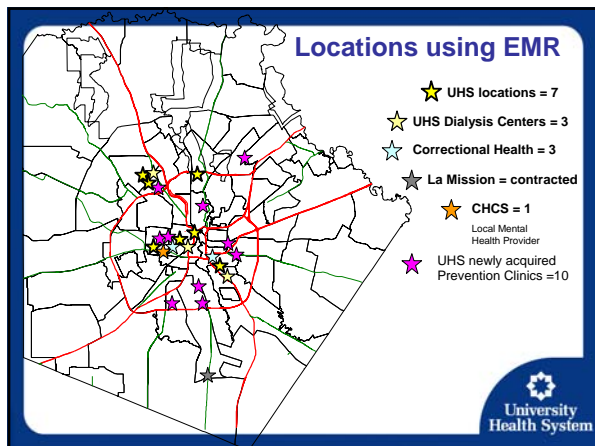
Population:
1.8 million



Industry Information

- ▶ KLAS 2006 CPOE Digest - CPOE in use in 5.7% of U.S. hospitals. Only 3.2% of U.S. hospitals are entering 50% of their orders in the system.
- ▶ KLAS 2007 CPOE Digest - CPOE in use in 6.8% of U.S. hospitals. Only 4% of U.S. hospitals are entering 50% of their orders in the system.
- ▶ KLAS 2008 CPOE Digest – CPOE in use in 9.6% of U.S. hospitals.





Electronic Usage

Electronic Orders

2006 = 2,448,783
 2007 = 4,823,962
 2007 Ambulatory = 1,763,311
 2008 = 5,500,000 Estimated

Electronic Documents

2006 = 4,583,792
 2007 = 10,205,559
 2007 Ambulatory = 1,453,577
 2008 = 11,000,000 Estimated

University Health System

Real Time Alerts

- ▶ Allergy Checking
 - ▶ Duplicate Checking
 - ▶ Drug-Drug Interaction
 - ▶ Radiology Contrast Dye Alert
 - ▶ Document Completion Check
 - ▶ Vaccine Alert
 - ▶ Emergency Center Lab Alerts
 - ▶ Pharmacy and Therapeutics Committee Alerts
 - ▶ Restraint Alert
- University Health System

Allergy Alert

Alert: Patient Allergy

Message: ALLERGY ALERT

This patient is allergic to sulfa drugs. Furosemide is a(n) sulfonamide-type loop diuretic. Patients allergic to sulfa drugs may have an increased risk of developing allergic reactions in general but a cross-sensitivity to sulfonamide-type loop diuretics has not been established.

Order/Additive Name: Furosemide Tab
 Reason: Other to SULFA DRUGS
 Confidence Level: Per History

Acknowledgement Comment:

☒ Acknowledge when seen << Previous Alert 1 of 1 Next >>
☒ Acknowledge all on Proceed

University Health System

Duplicate Order Checking

Alerts: Drug Information from Drug Info Review

Message: Duplicate Order

The system has detected a duplicate order for the following medication:

Medication: Furosemide 40mg Tablet
 Order Date: 01/21/2008
 Order Time: 10:00 AM
 Order Type: New Order

A duplicate order was found for the following medication:

Medication: Furosemide 40mg Tablet
 Order Date: 01/21/2008
 Order Time: 10:00 AM
 Order Type: New Order

Acknowledgement Comment:

☒ Acknowledge when seen << Previous Alert 1 of 1 Next >>
☒ Acknowledge all on Proceed

University Health System

Drug to Drug Interaction

Alerts: Drug Information from Drug Info Review

Message: Drug Interaction

The system has detected a potential drug-drug interaction between the following medications:

Medication 1: Furosemide 40mg Tablet
 Medication 2: Digoxin 0.25mg Tablet

Interaction: Digoxin toxicity may be increased in patients receiving furosemide. Digoxin toxicity may be increased in patients receiving furosemide. Digoxin toxicity may be increased in patients receiving furosemide.

Acknowledgement Comment:

☒ Acknowledge when seen << Previous Alert 1 of 1 Next >>
☒ Acknowledge all on Proceed

University Health System

Radiology Alert

Vaccine Alert

Trending Results



Integration (single point of access)

Current Integration

- ADT
- Lab
- Digital radiology images
- Pharmacy orders
- EKG results
- Physician & Nursing Operating room notes
- Dictated reports
- Monitoring devices
- Point of care testing (Glucose, blood gas, Urine)
- Smart pumps
- Digital anatomical pathology
- Echo cardiogram images
- Stress treadmill
- Holter results
- Pulmonary function

Underway

- Endoscopy
- Colonoscopy
- Fetal monitor images/videos
- Infection control
- Vascular

Bill.Phillips@uhs-sa.com
210-358-2321