



# Implementing EDIS: A Tale of Two Hospitals

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## HDH & KGH





Urgent Care Centre (12 hrs/day) 43,000 visits per year CTAS 3, 4,& 5 24/7 Regional Trauma & Stroke Centre 45,000 visits per year CTAS 2, 3, 4s

Shared ER physicians, residents, med students and patients

## **EDIS** Timeline

### June 2013

- June 2012
- Nursing & Allied

charting

## Physician

documentation

- MDM interface
- Billing Capture
- Deficiency & Delinquency
- Primary Care e Summary

### May 2015

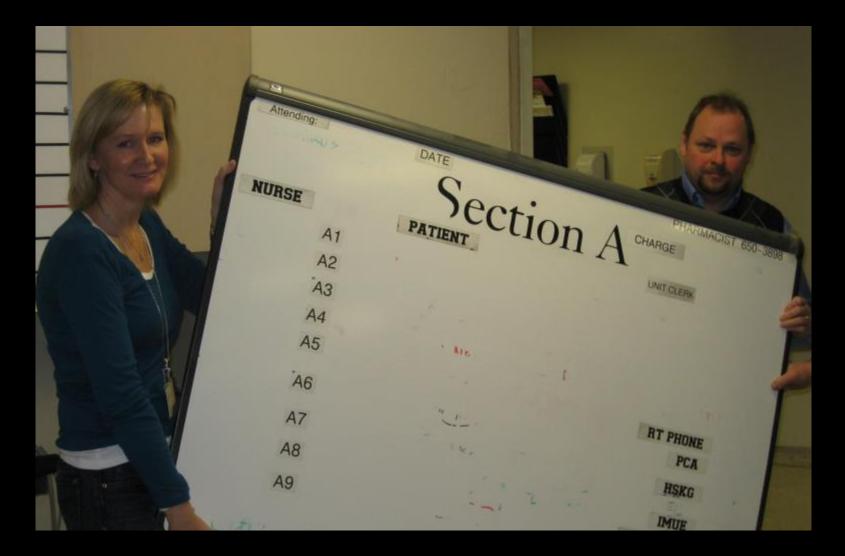
CPOE

- Meds
- Labs
- Imaging
- Clinic & Outpatien t Referrals

### **March 2011**

- Tracking
- Result
- Triage & E Rx

## Before EDIS



### ~88,000 visits tracked on grease boards

## After EDIS

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## **EDIS Timeline**

Physicians were frustrated and reluctant to move forward

### June 2013

Delinquency

Summary

Primary Care e

- June 2012
- Nursing & Allied

#### • MDM interface • Billing Capture charting Deficiency &

- May 2015 • CPOE
- Physician • Meds documentation
  - Labs
    - Imaging
    - Clinic & Outpatien t Referrals

### **March 2011**

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## Face to Face Interviews

- 1. Top issues/frustrations with EDIS
- 2. What do you suggest to address these issues?
- 3. Expectations of electronic documentation?
- 4. Concerns about electronic documentation?
- 5. Would you be willing to be involved?
- 6. What are the best ways to communicate?

## Expectations

- Fast
- Capture billing
- Fit in workflow
- Quality documentation
- Capture the "story"
- Communication to primary care
- Common templates e.g., croup
- Links to evidence e.g., Ottawa Ankle Rules

### What we heard

passwords Sign on user issues ergonomics more computers hybrid world PACs/PCS/EDIS discharge list HDH flow triage story

## **Expectations of CPOE**

- Bring together hybrid workflow
- Replace paper imaging requisition process
- Integrate clinical referrals & OP diagnostics
- Fast and easy to use
- Protocols and Panels

## Challenges with CPOE

- Complex interfaces to downstream systems
- Addressing CPOE build issues for the first time
- KGH nurses living in 3 environments
- Consulted & admitted patients
- Intermittent access to clinical nurses, pharmacists and physicians
- Managing operational requirements and "pet" projects
- Organizations had other priorities

"Everything looks like a failure when you are in the middle"

team fatigue nursing turnover Retirements **FTCLOC**K **Competing priorities** operational challenges

## Change Management

- Physicians really wanted it
- Trusted and respected team
- Listened to the cynics
- Engaged physicians and nurses early
- Used formal clinical meetings across sites
- DI challenges late in the game

## Go Live "a non event"



## Why it Worked

- One phase at a time
- Same core team during project
- Solution easy & intuitive
- Understanding of the clinical work flows
- Rigorous testing
- Technical go live in advance
- Built on what we had learned
- Continued support and optimization

## Education

- 1:1 sessions for attending MDsER Physician taught residents
- •Nurses trained their peers
- •Hands on training
- •E Learning
- •Future training videos

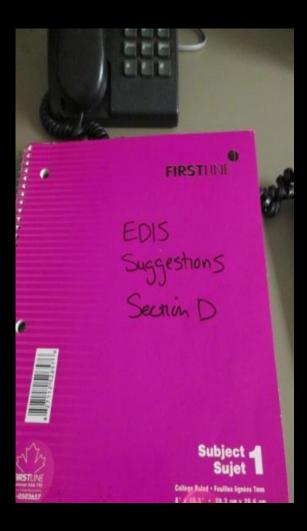


## **Expert Users**



Trainers became expert users

## Post Go Live Issue Resolution



#### MAY 14

I NOTICED A COUPLE OF TIMES YESTERDAY & HIG AM, WHEN PEOPLE ARE TRYING TO POSTPONE ORDERS, THEY ARE LEAVING THE CURSOR ON THE LINE BELON IE. CLICK ON TREPICK & HIT ENTER, THEN HIT POSTPONE, ... THE CLOCK STARTS TO CAUNT DOWN ON A BLANK ORDER. THEN WE HAVE TO CLANCEL & RE ORDER.

DID WE ADD OMNIPAQUE? - added 19/05 DE - SEC FAG "" IS URINAUGIS GOING 40 BE ADDED TO "RENAL COLLE" PANEL?

WE CRANT PROCESS ORDERS IN THE ORDERS. IF SOMEONE IS IN THE ORDER NOTES, EFELLED OR IF INFECTION CONTROL IN THE OLEVET.

CAN WE ADD SAUNC LOCK AS WELL AS "SL"

· "REHSON FOR EXAM" BOX

- GETTING COLIMENTS THAT THERE IS NO

## Leadership Commitment



### Team



Sue Lynch, Ken Edwards, Joey Newbigging, Sharon Gourdier & Paul Dungey

## **EDIS Timeline**



June 2012

**March 2011** 

May - Sept 2015

- CT/MRI
- Optimization
- Transition

#### **ONWARD**