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About Ontario Shores-Our Vision Recovering Best Health Inspiring Discovery Our vision is bold and transforming. Ontario Shores Centre for Mental Health Sciences is recognized by many as having an approach to mental health care and unique services that are focused on recovery, hope and inspiration through discovery. Recovering Best Health Inspiring Discovery Our advocacy with the community eliminates the stigma of mental illness. We are avidly leading new developments and research in collaboration with other organizati Our commitment to care extends beyond the scope of client recovery to educating and informing our families and communities. We lead the international mental health care community in safety and innovative practices. Our comprehensive services and innovative practices are integrated with our community partners. We proudly embrace diversity and offer individualized care. private sector provide unique opportunities to be innovative Ontario Shores

Objectives

- To learn how a big bang EMR implementation went from paper to Stage 6 hospital on the HIMSS Electronic Medical Record Adoption Model (EMRAM)
- To learn how to use the EMRAM model to refocus and reenergize teams in the implementation, adoption and utilization of EMR's in a more effective and efficient way to improve the quality of care
- To discuss optimization of the EMR and related processes to achieve HIMSS Stage 7 to improve patient safety and outcomes

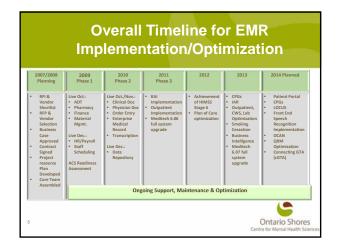


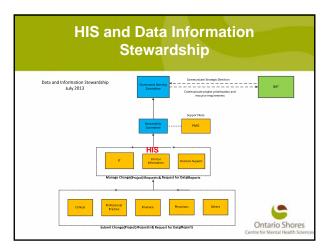
Ontario Shores Today: Our Program Clusters

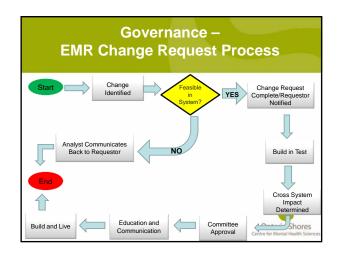
- Assessment and Reintegration complex general psychiatry and rehabilitation
- Forensics
- Geriatric mental health and neuropsychiatry
- Adolescents/Dual Diagnosis
- Specialized Outpatient/Outreach Services
- Integrated Health Services metabolic clinic, outpatient ECT dental services, primary care



Ontario Shore





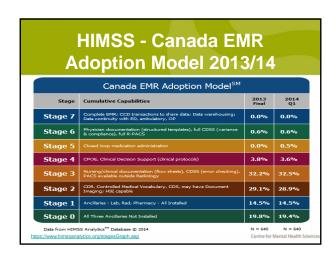


Professional Practice and Clinical Informatics Maintains, sustains and optimizes the system that enables care delivery and clinical practice Supports clinical practice effectiveness through work flow analysis and interpretation and understanding the processes that can optimize care delivery and practice Ensure evidence-based practices are integrated in the system Collaborates together in education, training, optimization and implementation of practice related system changes Enables clinical decision support at the time of care delivery through technology Supports the analysis of clinical performance measures from a Clinical Informatics perspective Responds to gaps identified in practice related system evaluations

Strategies for Sustainability and Growth

- Dynamic process Functional enhancements
- Analytics and Optimization clinical decision support, management reporting
- Opportunities for seamless exchange between various providers
- Ongoing education orientation
- Quality Improvement Evaluation and Audit Process
- Responsive to staff needs and ideas.
- Support programs in development and education of new documents
- Increased opportunities for research





HIMSS tronsforming health through IT HIMSS is a global, cause-based, not-for-profit organization focused on better health through information technology (IT). HIMSS leads efforts to optimize health engagements and care outcomes using information technology. HIMSS Vision Better health through information technology. HIMSS Mission Globally, lead endeavors optimizing health engagements and care outcomes through information technology.

Paperless Criteria is updated each year Site Visit System Overview and Pervasiveness of Use Clinical & Business Intelligence Clinical Decision Support Health Information Exchange Business Continuity/Disaster Recovery

HIMSS Stage 7 - Indicators

- 4 months of consistent data
- CPOE 90% of orders must be entered in EMR by the ordering provider
- eMAR/BMV 95% of the time a nurse must attempt to scan a patient barcoded armband and the

3 examples of data from clinical system used to improve quality of care - $\ensuremath{\text{2}}$ quarters worth of data

- Suggestions:
 - Restraint/Seclusion
 Medication Reconciliation

 - NRT adoption
 - Choking Risk Assessment

Expectation that rules trigger decision support from physician documentation

Evidence based order sets



Governance – Stage 7

- Detailed Workplan with target dates and various Leads
- Bi-weekly review of status Health Information Service Operations Team
- Monthly review IM/IT Project Executives
- Managed within current resources



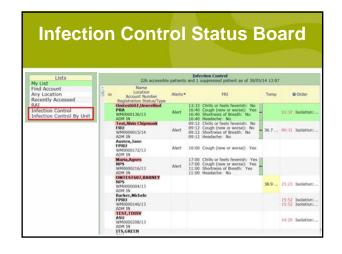
HIMSS Stage 7 - Tour

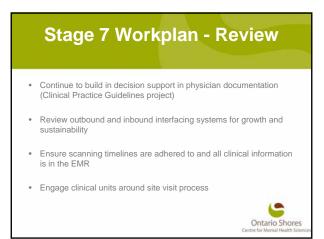
- Clinical Units
 - Observe med admin process
 - Meet with an MD
 - Review documentation
 - Look through paper charts and examine scanning
- Pharmacy
 - Medication orders are electronic
 - Dispensing functions are automated
 - Orders from all shifts are verified by pharmacist
 - Medication/IV are barcoded
 - Conflict checking and CDS
- Health Information Management
 - Scanning
 - Transcription

 - CodingLegal Medical Record

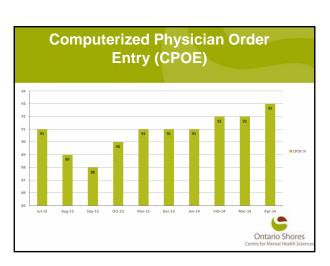


Stage 7 Workplan/Steps · Review of current state Capture the practice and proce • Organize and associate requirements Identify gaps Process Practice - Identify successes · Identify gaps Categorize, design, develop, educate, support Review Ontario Shores









Computerized Physician Order Entry (CPOE) – How are we doing it?

- Medical Director of Informatics
- Senior Management Team
- Physician in Chief
- Audit
 - Reports sent at program level
 - Individual reports sent to physicians with comparison to peers
- Education
- Support, support and support



Medication Reconciliation

- Medication Reconciliation is a formal process in which healthcare providers partner with patients and their families to ensure accurate and complete medication information transfer at interfaces of care.
- The aim is to eliminate undocumented intentional discrepancies and unintentional discrepancies by reconciling all medications
- Corporate goal for 2013- 2014 to increase Med Rec on Admission rates to 95%.
- January 2014 reported year to date rate of 99.4%



Documentation Percentages

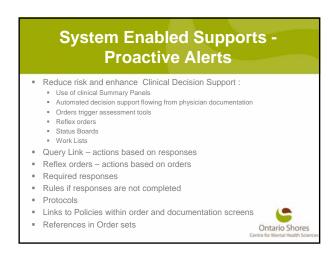
Туре	Handwritten	Dictation/ Transcription	Structure Forms	Structure forms w/ Discrete Data
H&P	0%	6%	0%	94%
Progress Notes	0%	0%	60%	40%
Consult Notes	0%	85%	0%	15%
Discharge Notes	0%	20%	0%	80%
Problem List	0%	0%	0%	100%
Diagnosis List	0%	0%	0%	100%

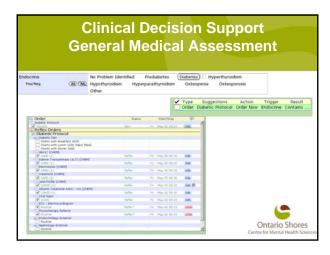


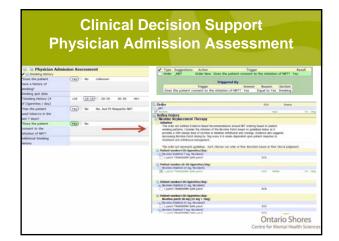
Medication Reconciliation How did we do it?

- Corporate Goals & Objectives
- Med Rec on Discharge across organization –YTD 97.8% (6 months of data)
- Med Rec on Admission/Discharge built as intervention in EMR
- Med Rec on Discharge report in development
- Training of outpatient clinicians was re-enforced as part of Outpatient Optimization project

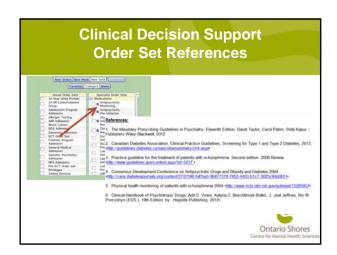


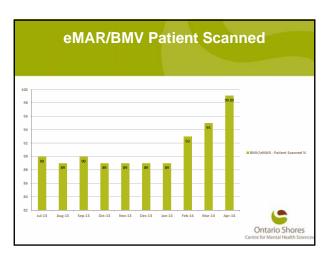


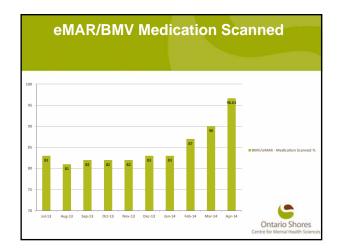


















Future Steps Continue collaborative structure for further adoption and optimization Implement Clinical Practice Guidelines throughout organization Strive towards achievement of HIMSS Analytics Stage 7 Further enhancement of Business Intelligence and Clinical Decision Support Research