

LEADing Practices:

Digital Health for Creating Connections &

Enabling Person Centred-Care

Learning from others; Exemplifying benefits; Accelerating adoption; Delivering results!



Outline

- Knowing is Better Clinician Education Campaign
 - The National LEADing Practice Initiative
- Spotlight on 2015 LEADing Practices
 - Ontario Shores for Mental Health Sciences
 - Nova Scotia Health Authority Central Zone
 - Alberta Health Services
- Q&A with panelists





Clinician Education Campaign

In 2012, the original strategy was to create awareness and understanding of the benefits electronic health records and the progress underway in Canada.

The Plan
 Knowing the Plan Video
 Knowing the Benefits Video
 Clinician Testimonials
 Clinical Benefit Videos
 Clinical Champion Network
 Other CEC Resources

www.knowingisbetter.ca



Clinician Education Campaign

CEC has established a foundation of awareness and understanding amongst clinicians and healthcare leaders.



Since launch of CEC (Sept. 2012):

- 91 individual Clinical Champions
- 38 Committed Partner organizations
- 13,029 You tube views
- 3,394 Resource downloads
- 32,920 CEC Webpage Views
- Estimated reach = over 498,000





National LEADing Practices Initiative



In 2013, National LEADing Practices Initiative launched in partnership with Accreditation Canada and with the support of CMA, CNA, CPhA & HealthCareCAN

Call for Participation

 Health care teams invited to submit LEADing examples of how technology is being used to strengthen clinical practice and improve the patient experience.

Selection Committee Evaluation

Recognition & Promotion

Knowledge Translation

- Accreditation Canada
- Canadian Nurses Association
- Canadian Medical Association
- Canadian Pharmacist Association
- Healthcare CAN
- Representatives from Infoway Reference Group & Clinical Council

- 7 organizations recognized in 2014
- 6 organizations recognized in 2015
- Representing all sectors including primary care, community care, acute care, ambulatory care and public health

Learning from others; Exemplifying benefits; Accelerating adoption; Delivering results!



Individual

2015 LEADing Practices





Ontario Shores Centre for Mental Health Sciences



Regional





Learning from others; Exemplifying benefits; Accelerating adoption; Delivering results!



Advancing Patient Recovery through an Integrated Electronic Medical Record

Sanaz Riahi RN, MSN, PhD student Director, Professional Practice & Clinical Information Ontario Shores Centre for Mental Health Sciences



About Ontario Shores

- A teaching hospital
- Specializing in comprehensive mental health care and addiction services for those with complex and serious mental illness
- 326 inpatient beds, extensive outpatient programs
- Programs for adolescents to seniors providing assessment, stabilization, treatment and transition





Health Information System

- HIMSS EMRAM Stage 7 hospital
 - Paperless
 - Use of clinical decision supports and analytics
 - Increase in access
 - Gained efficiencies
 - CPOE > 90%; eMAR/BMV > 95%; Case studies demonstrating use of HIS for quality improvement
- Meditech 6.0
- Fully integrated system in inpatients and outpatients
- Patient Portal implemented in December 2015





Benefits

- Enabled opportunities for enhanced connections amongst the interprofessional teams, patients, families and other providers
- Medication and patient scanning rates consistently maintained at 95% or higher
- Computerized Physician Order Entry rates 94%
- Medication reconciliation on admission has been maintained at 95%





Key Recommendations

- Consistent open communication with all clinicians
- New workflow and processes must be considered during implementation
 - Cannot try to fit old workflows with implementation of technology
- Develop ongoing adoption strategies to support the use of EMR for quality of care and patient safety







eMedication Reconciliation

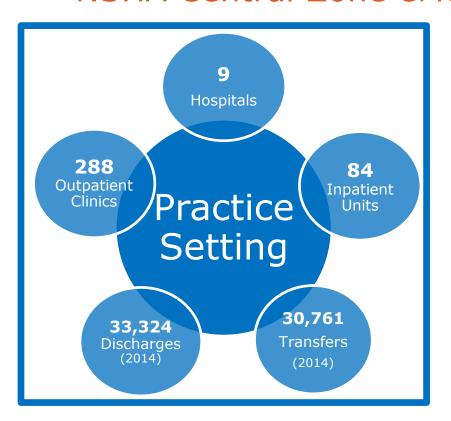
A Canada Health Infoway LEADing Practice

Presented by: Mary Eileen MacPhail, BScN, RN

Date: June 3, 2015



NSHA Central Zone eMedication Reconciliation



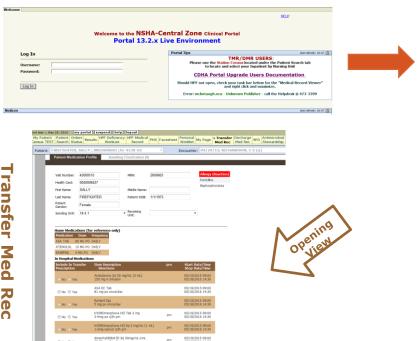




Technology Link to Clinical Practice

*Web-Based Transfer & Discharge Medication Reconciliation applications accessible via Clinical Portal

* Interfaces with ADT, Pharmacy, Perioperative, eDischarge Summary & Scanning/Archiving systems



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Application Features

Medication Pick-List/Abbreviation Table

Additional or Restart	ted Medications					
Medication	Dose	Route	Frequency	Status	Rationale or	Reassess
ran		~		 Changed 		A
Ranibizumab Soln			-	○ New		~
Ranitidine HCl Inj						Remove
Ranitidine HCl Liquid	1			Resume Home I	Medication	
Ranitidine HCl Tab						
DO NOT USE	USE	DO NOT USE	USE	DO NOT USE	USE	
U, IU, u	unit	DVC	discharge or discontinue	> or <	greater than or less than	
OD, QD or qd	daily	ce	ml.	trailing zero (K.0 mg)	never use zeros after decimal	
Bop so GOD	every other day	140	mag		always use zeros before decimal	

Link to Pre-Printed Orders

Pre-Printed Orders (PPOs)

Search For Pre-Printed O	rders insu	Add PPO (via search)	
Total # of completed Pro	e-Printed Orders (PPOs) to	be included as part of Transfer Orders	
(# Selected should include	de ALL PPOs, not only tho	se listed here).	
Pre-Printed Order Se	arch Results		
Add To Med Rec	Document Number	Pre-Printed Order Form	
Add To Med Rec	PPO0280MR	Intravenous Insulin Infusion - Intensive Care (2013)	Open Document
Add To Med Rec	PPO0446MR	Intravenous Insulin Infusion - Multi-organ Transplant	Open Document
	DD0014040	Colombia and Incide Orders	O D

Amend Functionality

	ority Finalize/Signed Date	
FIGHTER Joe Prescriber	5/20/2015 1:23:12 PM	View Signed Transfer Orders
	FIGHTER Joe Prescriber	FIGHTER Joe Prescriber 5/20/2015 1:23:12 PM

Printable Draft

Patient Disch	arge Prescrip	tion(s)		
Visit Number	Patient Name	Signing Authority	Finalize/Signed Date	
40020611	PHYLLIS DMR	Jane Prescriber		Print Draft if Required

Communication Tool

Additional Notes / Non-medication Orders See separate PPO	^
Notes (Not included on Med Rec output)	v
Please review new INR result prior to finalization	*

Patient: FIREFIGHTER, SAL	LY	Transfer fro	m: HI 4.1			AP: RICHARDSON,C GLEN Transfer to:	
Allergies: Penidlins, Bisphos	ohonates						
TRANSFERRING SERVICE	orm must be recens	led prior to satient transfer		RECEIV	/ING	SERVICE	
Transferring Presember ha Medications to be continued Information system, Admis- transferring unit.	based on or	ders in the Pharma	icy	Recon (Use NA	cile/	Nurse Verify/Resolve Discrepancy cansfering care area)	
				on tax to	daney	Complete details of discrepancies v	when a
Medications to be Continued on Receiving Unit	Medication Status	Rationale / Res Do NOT write new or change orders	rorders	Complete and Noted (then taxs) pharmacy)	Discrepancy	required	Clarified and
ASA EC Tab 81 mg po once/day							
Ramipril Cap 5 mg po onoe/day							
HYDROmorphone HCl Tab 2 mg 2-4mg po q3h pm							
HYDROmorphone HCl Inj 2 mg/mL (1 mL) 1-2mg subcut q3h pm							
dimenhyDRINATE Inj 50mg/mL-1mL 25-50 mg IV q4h pm							
Acetaminophen Tab 325 mg po q6h pm							
dimenhyDRINATE Tab 25-50 mg po q4h pm							
DISCONTINUED Medications			tionale Fo	r DISCO	NTI	NUATION	
Amiodarone Inj 50 mg/mL (3 ml 150 mg iv Infusion	-)	not	needed				
Pre-Printed Orders: Total of	0 completed	as part of Transfer	Orders - si	ee chart			
Signed By: Joe Prescriber		Sign	ed Date:	5/20/20	15 1	1:23 PM	
I confirm review of BPMH in p full representation of required			fers are	Orders	Rec	conciled by:	
				Date:_		Time:	
Prescriber name & CPSNS#						Review of Orders (at time of patient accessor a reviewed the orders written	sect)
Authorized Prescriber Signature		Date Tim (yyy/mm/dd)				dditional orders on Physicians Order	Sheet
				Authorize Signatus		sorber Prescriber name 6 Dia CPSNS # (by	te Time yy/mm/dd)
Medication Reconciliation Orde	irs					Pai	oe 1 of 2

Bon	us	for	Cli	in	ici	an	s	
		_	_	10			_	

Ability to review Transfer/Discharge Orders & Active Medications Orders via Clinical Portal

Q		a prescription your pharma		VIST Number: 45000515 DOB: 1 13 SMOKEY STREET		
Capital Health	Take to	your pharma	icy.	HALIFAX NS		
Medication Reconcil	liation and Di	scharge Pres	cription	902-959-9874 MRN: 2600603 HCN:	0040000427	NC
				AP: RICHARDOON,C GLEN	0040000427	NS
Confidential Facsimile Tran	emission to Intende	d Dharmaey				
Pharmacy fax #		Date:		Time		
Priamacy race.		- Date:				
Allergies		7				
Penicillins()		7				
3isphosphonates()						
Complete List of Dischar	ge Medications	Medication Status	Rationale f	or drug addition / change	Prescription Quantity	Prescription Repeats
ASA TAB 80 MG PO DA	LY	Unchanged			Tablet(s)	
ATENOLOL 10 MG PO D	AILY	Unchanged			30 Tablet(s)	3
RAMIPRIL 5 MG PO DAI		Unchanged			Tablet(s)	
HYDROmorphone HCl Tal 2-4mg po q3h pm	b 2 mg	New	Pain manag	ement	15 Tablet(s)	
Acetaminophen Tab		Unchanged				
325 mg po q6h prn						
Discontinued Home Med	ications		Rational	e For Discontinuation		
community care provider(s) on discharge.			dmission. Patient may resur		
	ot hand writ		escriptio	ns on this form. To	make any i	additions a
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Prescriber Certification for Fa evaluation. Medication Reconciliation	and Presorbions: T. Signed E. Date: Dresorib	e additional praese amend els	escription ectronical	Ily and sign. of the prescription drug order, so been invalidated by frustring Signed B	The pharmacy as it is each a way to it in each a way to ye. Joe Prescrit seger #:	stineasee noted half it cannot be
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Benefits

Patient Safety/Risk Management

Enhanced Standardization

Legibility & Accuracy

Accessibility of Patient Records

Evaluation/Outcomes

Stakeholder feedback informed product enhancements /releases

Accreditation requirements led priorities and direction for development

Senior Leadership & Policy support (policy revised to indicate mandatory use)

Compliance reports to Physician Quality Committees



Future Vision

Integrated suite for all care transition points (Admission, Transfer, Discharge, Ambulatory) *Decrease Hybrid features Seamless continuity of care between hospitals & community **Expand use to provincial healthcare partners & systems Patient Friendly Tools**



eReferral

Transforming Alberta's Referral Experience

eHealth 2015



Jodi*Glassford*

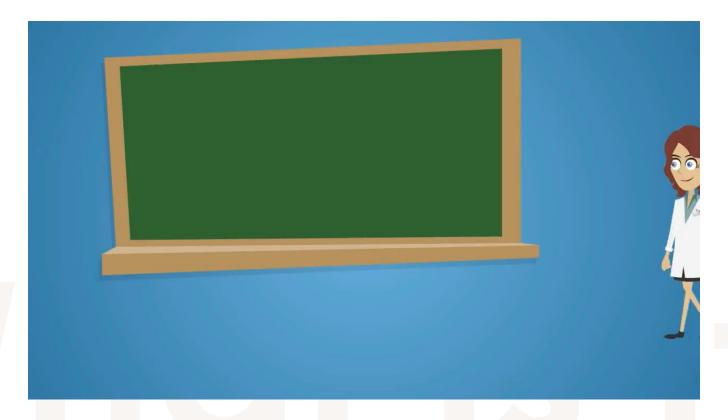


Jodi*Glassford*

Director of Closed Loop Referral Management eReferral & Alberta Referral Pathways, Access Alberta Health Services

eReferral 101 Video Introduction
What is eReferral?
Key Insights
Possible Enhancements
Next Steps & Future Developments







Referral tracking
Service matching
Process transparency
Patient choice
Wait time capture



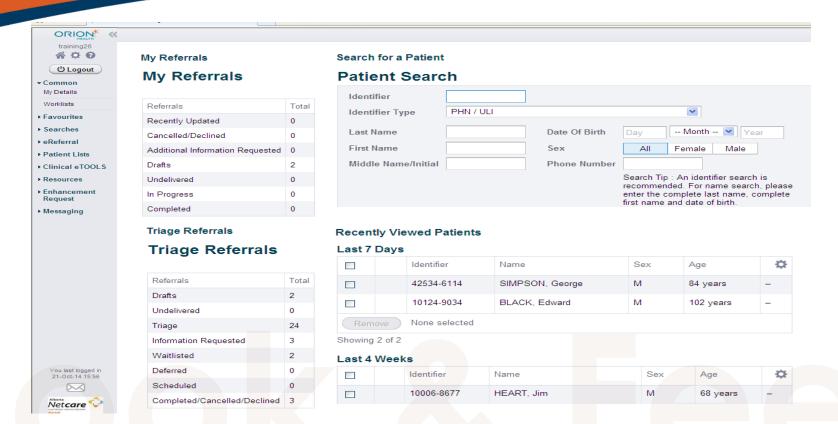


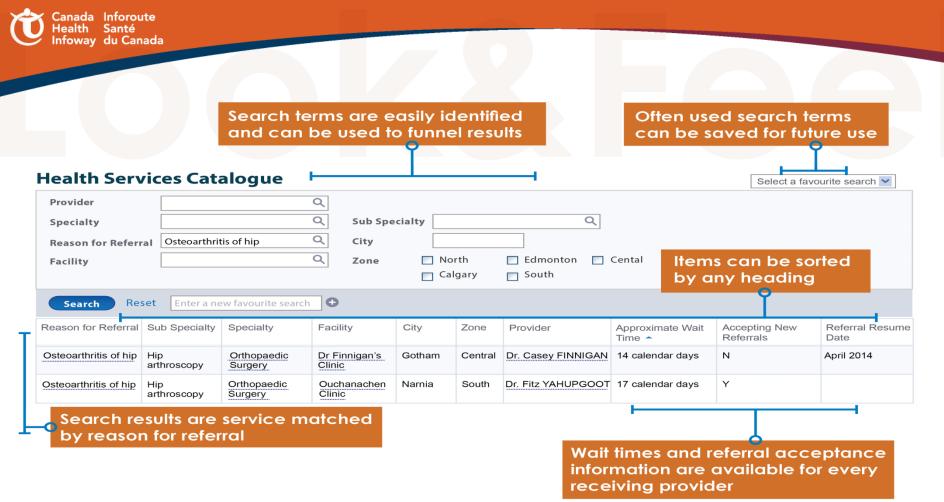


hip and knee

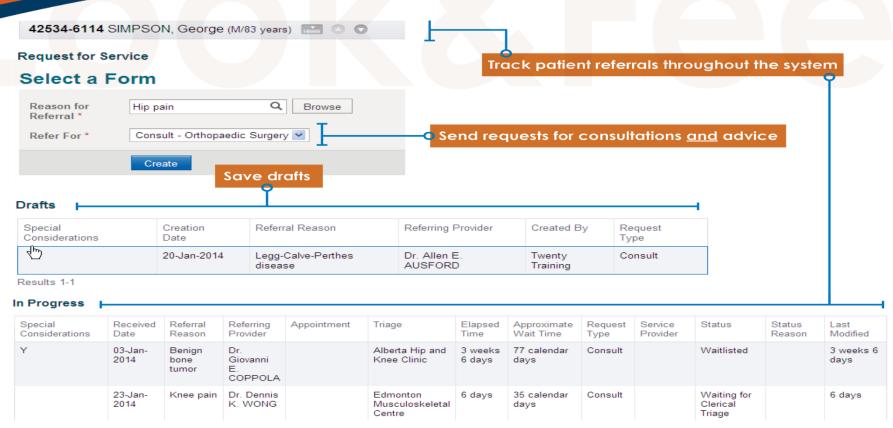
joint replacement

breast cancer lung cancer



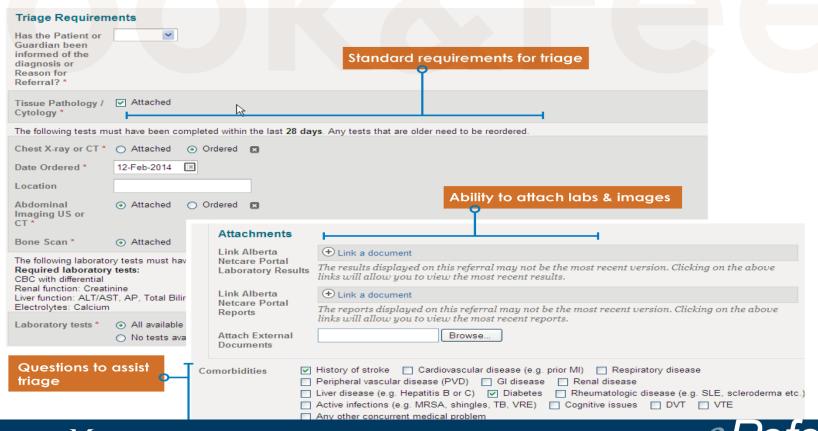






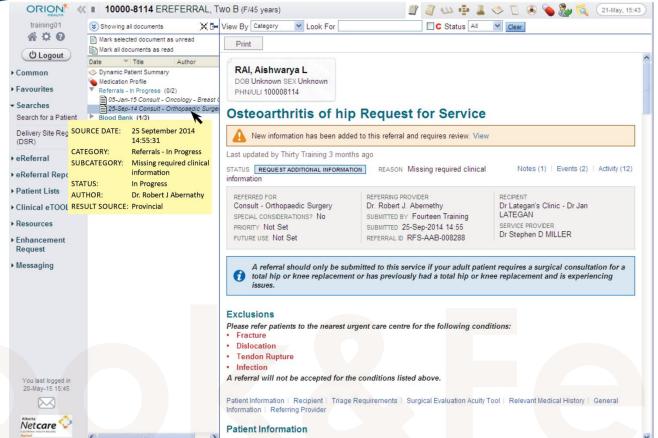
Support Continuity eReferra





Change *Management*













Advice requests & secure messaging

EMR generated referral attachments

Generic referral form, minimum standards



FutureDevelopments

Increase adoption through partnerships

Make improvements with evaluation

Secure support for scale & sustainment





Questions?

Sanaz Riahi:

riahis@ontarioshores.ca

Mary Eileen MacPhail:

MaryEileen.MacPhail@nshealth.ca

Jodi Glassford:

Jodi.Glassford@albertahealthservices.ca





Thank you