Making Interoperability Work for Clinicians: Connecting Health **Authority and Provincial Systems** Cindy Convey **Aneet Sahota** Fraser Health Authority

Agenda

Who are we?

How did we start?

What is UCI?

Where are we now?

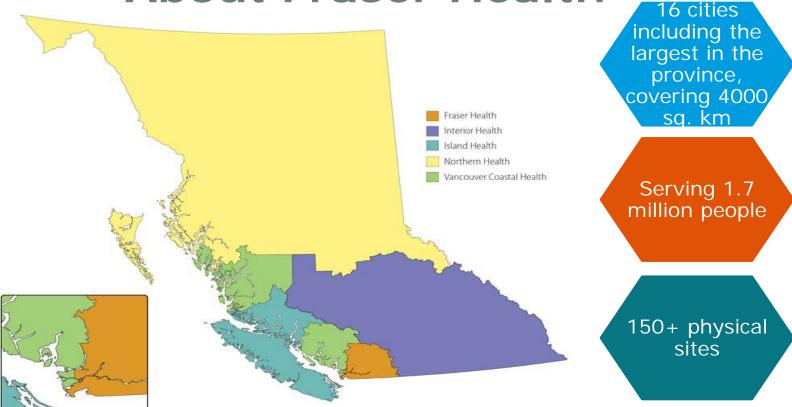
How are we doing?

What is next?



Who are we?

About Fraser Health





Fraser Health Complexity

BC's largest and fastest growing health authority

More than 525,000 annual visits to Emergency Patients flow among large urban centres, small rural communities

> 27,000 Employees & Physicians

15,000 clients supported by Home Health every day

Several clinical information systems (Meditech, PARIS, Profile, Panorama, GE centricity)



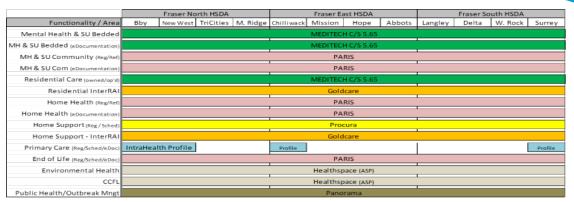
How did we start?

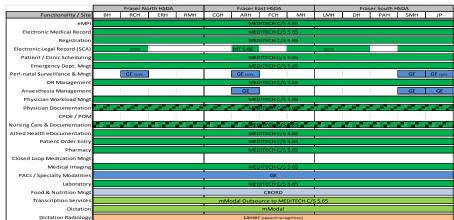
	Fraser North HSDA				Fraser East HSDA				Fraser South HSDA			
Functionality / Area	Bby	New West	TriCities	M. Ridge	Chilliwack	Mission	Hope	Abbots	Langley	Delta	W. Rock	Surrey
Mental Health & SU Bedded	MEDITECH Magic											
MH & SU Bedded (eDocumentation)												
MH & SU Community (Reg/Ref)	MoH CPIM		MEDITECH Magic		MoH CPIM			MoH CPIM				
MH & SU Com (eDocumentation)												
Residential Care (owned/op'd)	MEDITECH Magic				į							
Residential InterRAI												
Home Health (Reg/Ref)	MoH CCIMS / MEDITECH Magic				į							
Home Health (eDocumentation)												
Home Care (Reg/Sched)	Procura			Procura				Procura				
Home Care - InterRAI											Mome	entum
Primary Care (Reg/Sched/eDoc)											Clinicare	WOLF
End of Life (Reg/Sched/eDoc)	MEDITECH Magic (Reg/Sched)				İ							
Environmental Health	Healthspace (APS)		Hedgehog Inspector		Healthspace (ASP)		Hedgehog Inspector					
CCFL	Healthsp	Dace (APS)	MoH	CCFL		Healths	Dace (ASP)			MoH	CCFL	
Public Health/Outbreak Mngt					•	iPI	HIS		•			

Fraser North HSDA Fraser East HSDA
BH RCH ERH RMH CGH MSA FCH MH Fraser South HSDA MEDITECH Magis MEDITECH Magic Electronic Medical Recor Electronic Legal Record (SCA NASNA Patient / Clinic Schedulin Emergency Dept. Mngt Peri-natal Mng HBOCC MSM OR Managemen Anaesthesia Managemer Physician Workload Mngt Physician Documentation CPOE / POM Nursing Documentatio Allied Health eDocumentation Patient Order Entry MEDITECH Magic MEDITECH Magic MEDITECH Magic Closed Loop Medication Mng MEDITECH Magic PACs / Specialty Modalitie Agfa TeleRadiology MEDITECH Mag Food & Nutrition Mng Transcription Service MSM Dictap Dictaphone Dictation Radoliogy

2003: Disparate Community and Acute systems

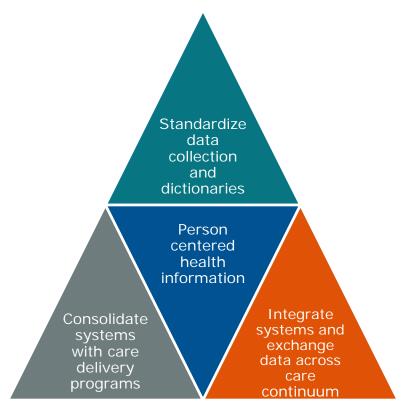






2014: Consolidated Community and Acute systems







Success created a challenge...and an opportunity





 UCI Project delivering FH Health Information Exchange solution

• Solution that supports *clinical decision making* and is *tightly integrated into clinical workflow*

Allscripts/dbMotion selected as vendor partner





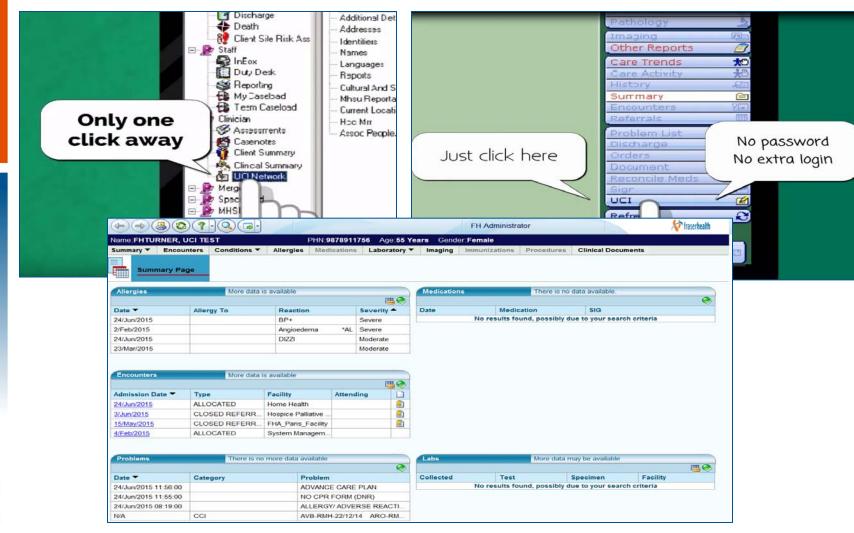
What is UCI?

Unified Clinical Information

A Clinical view-only web application







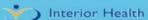


Displays Patient Information From....





Provincial labs

















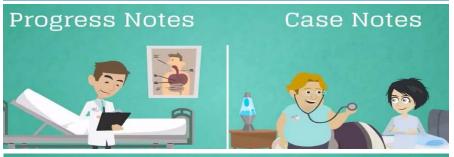


fraserhealth



Vancouver Coastal Health

Information Available











Where are we now?

Data From Three Sources

Meditech (Acute)

Data from Nov 2014

PARIS (Community)

Data from Sept 2015 Provincial labs (private and other health authorities)

Data loads as early as 2010

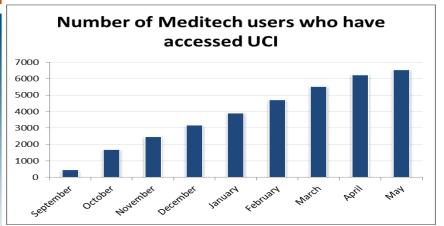


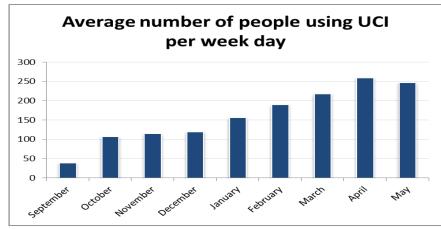
User Statistics





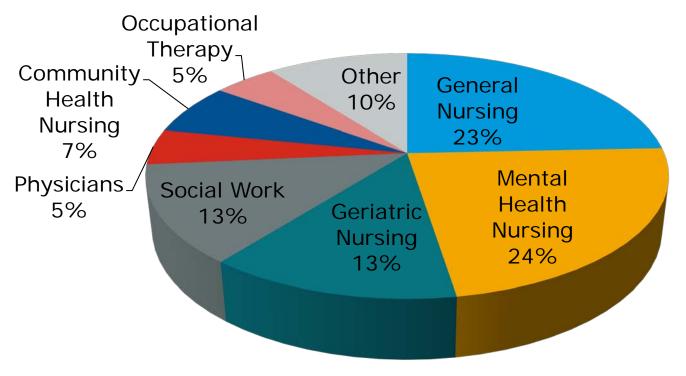
Meditech User Trends







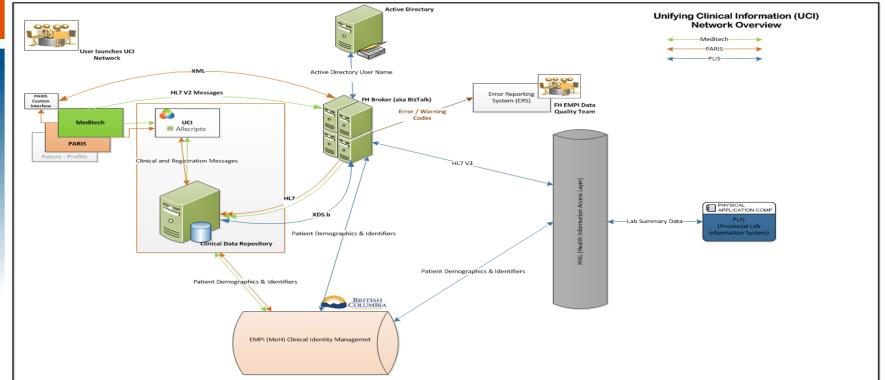
Clinical Areas Accessing UCI





Numbers as of April 2016, based on the top 43 users and their UCI usage

Connecting Health Authority and Provincial Systems



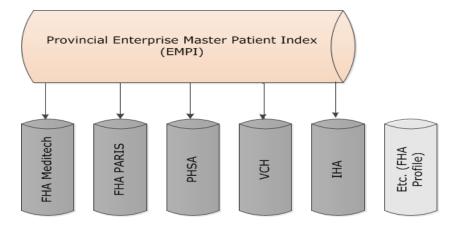


Patient Identity UCI Prerequisite

Shift to patient centric from regional or facility centric model

Linkage of person information across Fraser Health and BC

Integrate FH clinical systems with Provincial Enterprise Master Patient Index (EMPI)





Major Components

Provincial Data Sources (PLIS, Panorama, PDIV, Pharmanet etc.)

Health Information Access Layer (HIAL)

Clinical Data Repository

Message Broker

Meditech (Acute)

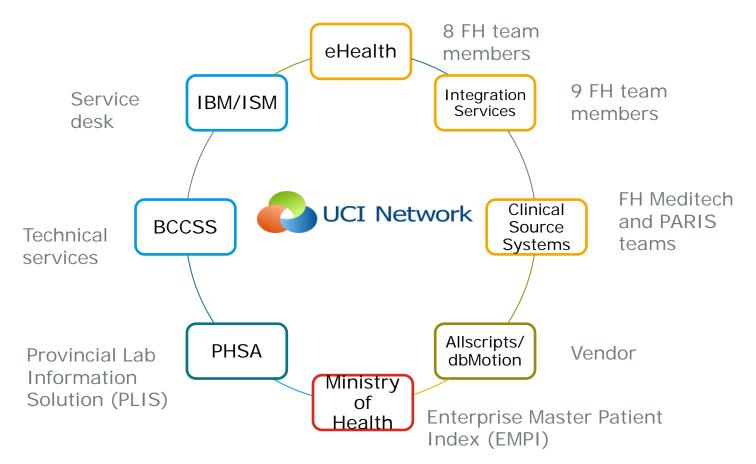
Paris (Community)

Profile (Ambulatory)

Provincial Enterprise Master Patient Index (EMPI)



Operations and Maintenance





How are we doing?

Patient Centric Data Across Care Continuum

Social worker and occupational therapist in hospital review home assessment in UCI to ensure patient transition to home is suitable

Home health staff checks if a client has been admitted to hospital prior to making a home visit



Critical care indicators from Meditech and alerts from PARIS are passed from one setting to another to protect patients and staff



Ease and Speed of Access

Renal Physician reviews lab results from private and other health authorities to assess and compare patient history and progress Clinician
examines flu
report from
BCCDC instantly
via Meditech
launch without
fax or telephone
follow up







Insights

Challenge

 Complexity of managing multiple stakeholders

Lesson Learned

- Importance of setting up an escalation forum with all vendors/stakeholders present
- Clinical working group essential to assist in key decision making



Insights

Challenge

 Competing initiatives (system upgrades, dependency on person identity project)

Lesson Learned

- Track and monitor dependencies as part of project status
- Change management processes to manage source system activities



Insights

Challenge

Operational support and transition

Lesson Learned

- Ensure there is appropriate training, documentation and support resources in place
- Leverage vendor support tools and lean documentation
- Have dedicated support vs. project resources



What is next?

Priorities

Optimization of current UCI platform

UCI v7 upgrade

2016

2017

2018

FHA Intrahealth Profile integration

Agent and Collaborate proof of concept

Provincial CareConnect integration investigation

Other integration initiatives (primary care home, Pharmanet, frail elderly)



Thank You!

Contact us

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