## Using Your EMR to Improve Productivity and Quality in Patient Care Plans for Complex Patients

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#### Faculty / Presenter Disclosure

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- Relationships with commercial interests:
  - No relationships with commercial interests

#### Disclosure of Commercial Support

- This program has not received financial support or in-kind support from any organization
- Potential for conflict(s) of interest:
  - Kirk Miller, Justin Wolting and Kathleen Wall have not received payment or funding from any organization supporting this program AND/OR organization whose product(s) are being discussed in this program.

#### Mitigating Potential Bias

There are no potential sources of bias.

#### Investor and Clinician

Investment in EMR improvements has been low for most clinicians and primary care organizations in Ontario.

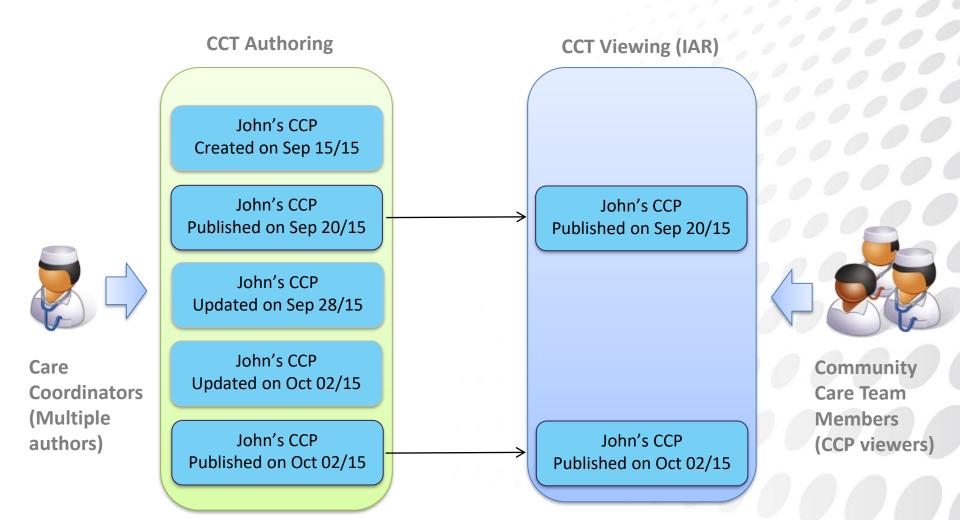
Is it time to take another look at the opportunity to invest?

#### An Investment Opportunity?

MOHLTC Care Coordination Tool (CCT)Project

Through improved coordination and information sharing, complex patients will receive faster care, experience shorter wait times for services and be supported by a team of health care providers at all levels of the health care system.

#### Is this a Sustainable Investment?



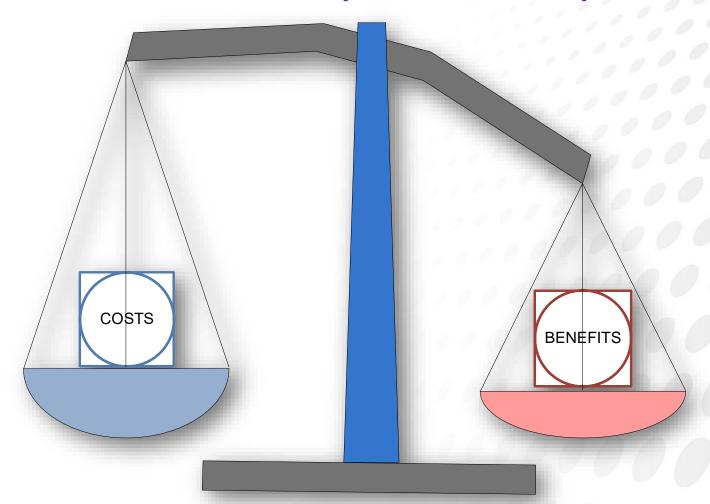
#### Reality Checks

A promise made, a promise kept?

My EMR is now essential to my practice but I seem to be spending proportionately more of my time using it alone than with face to face patient interviews.

Complex patients need a lot of face time. Is your solution going add or subtract from that time?

## Are we prepared to take a lead in the investment and expectations process?



### Investing in EMR Maturity and Complex Patient Management

Current State

Reminders based on algorithms

Some viewable shared information systems

Transition State

Custom Care Plans in structured data

CPP exported to provincial repositories

#### **Future State**

EMR and EHR
have meaningful
data
interoperability
EMRs are
efficient, effective
and safe in
collecting, using
and disclosing
complex patient
data

Past State

Printing Referrals

Simple reminders

#### Perceived Benefits



#### **Actual First Test**



#### On Our Way...

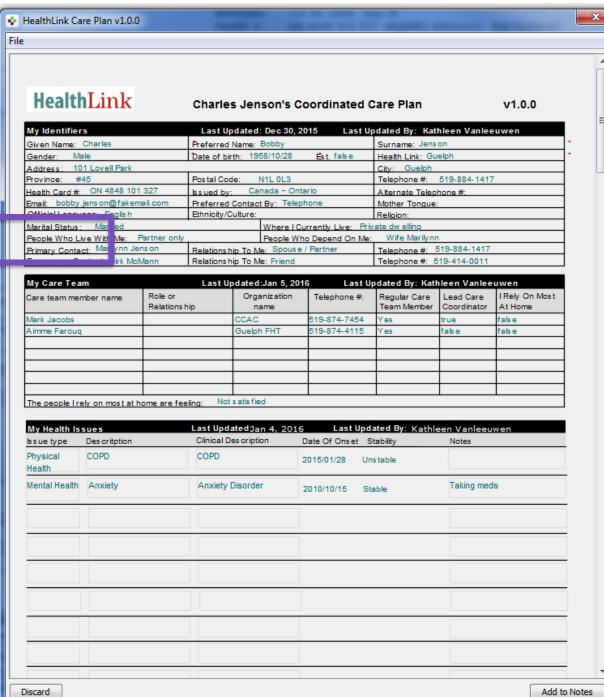


#### The First Step

- How can we help manage complex patients efficiently?
- Participation in a Pilot with Orion to author and view Patient Care Plans
- Creation of EMR tools
  - 1) Toolbar, flowsheets, custom forms, searches
  - 2) CCT Submission Service



Last Updated on Dec 3 Last Updated by Kathl





**FIVE** 

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#### Care Plan Toolbar













The major functions of the toolbar are to:



→ Open a webpage to the IAR web address



→ Search the record for an existing attached passport



→ Author sections of the coordinated care plan by inserting Custom Forms



→ View the entire coordinated care plan and add it to the record



→ View the coordinated care plan flowsheet

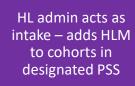


→ Display last published date & consent

#### Secondary Objectives

- Demonstrate a willingness to be innovative by enabling technology to facilitate process
- Demonstrate a commitment to system integration
- Take ownership of assessment data
  - Each element of the assessment is stored as an entry into a secure database with potential future applications

#### Care Plan Creation





HL Guide facilitates the entry of care plan data

HL admin extracts care plan data, submits to IAR and messages HL Guide to confirm

PCP reviews completed care plan

HL Guide obtains consent and inserts completed care plan into chart. Messages HL Admin



#### **CCT Submission Service**

1. EMR Tools developed (toolbar, custom forms, searches)

2. Forms are exported from the EMR to a text file and stored securely

3. Web application imports text file and converts to XML

4. XML is sent to Webservice. The Care plan is now available in the Viewer.

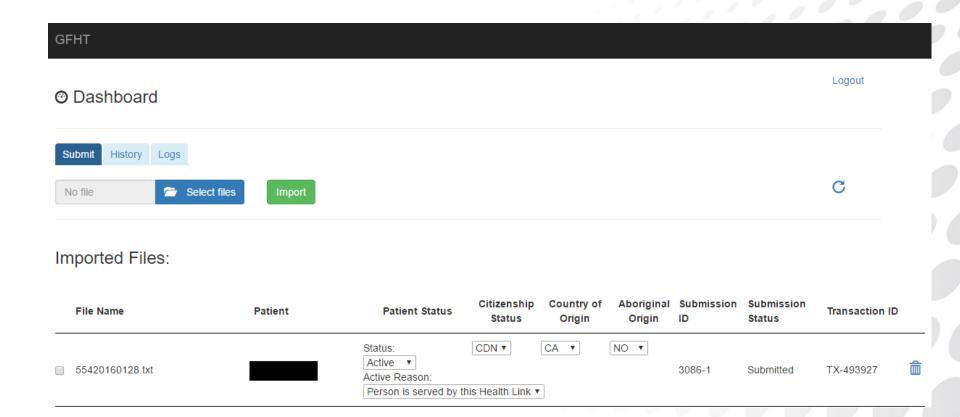






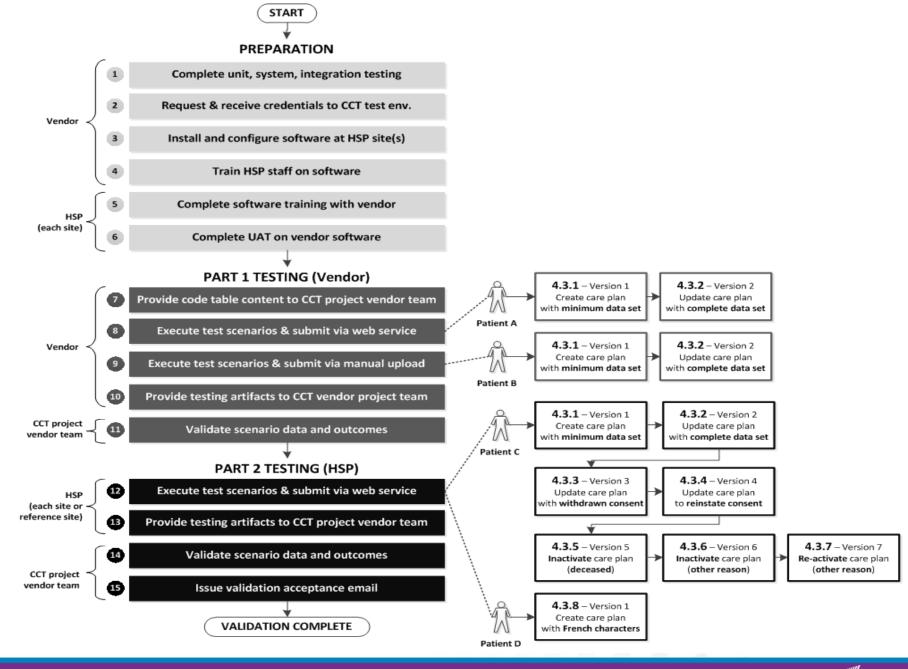


#### **CCT Submission Service**

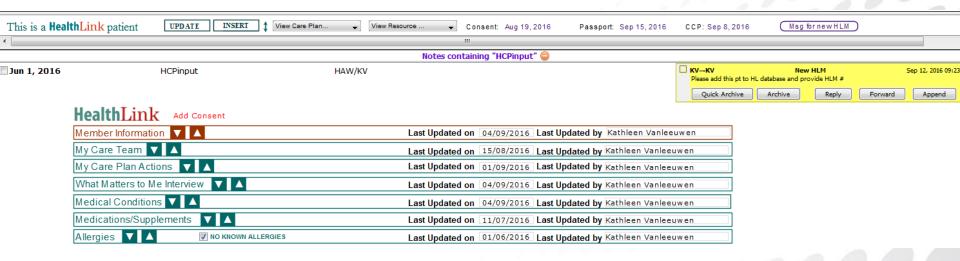


#### **Privacy & Security**

- Consent directive is documented as a custom form before being able to be exported from the EMR
- In alignment with CCIM's Common Privacy Framework
- Web Application is secured with usernames, passwords and security groups for those users
- Exports from EMR are stored on a secure folder on a secure server located internally at the FHT. The web application can only access that specific folder when importing.
- Full history and logs for auditing purposes



#### The Next Steps



- Possible future Telus dashboard?
- Integration with PSS to submit directly to a service?

# Thank you! Any Questions? kirk.miller@guelphfht.com justin.wolting@guelphfht.com kathleen.wall@guelphfht.com



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