



151 Slater Street, Suite 710  
Ottawa, Ontario K1P 5H3  
Tel: 613-233-8891  
Fax: 613-233-8250  
[csls@csls.ca](mailto:csls@csls.ca)

Centre for the  
Study of Living  
Standards:  
Invitational Series  
on  
Living Standards

## **The eHealth Story in Ontario: An Insider's Perspective**

**Ray Hession**  
**January 19, 2017**

# Background

1. 2000 – First Ministers’ meeting
2. 2004 – Future of Medicare Act
  - a. Single payer
  - b. OHQC
3. 2010 – Excellent Care for All Act
  - a. HQO
  - b. CQI
4. 2016 – Patients First Act

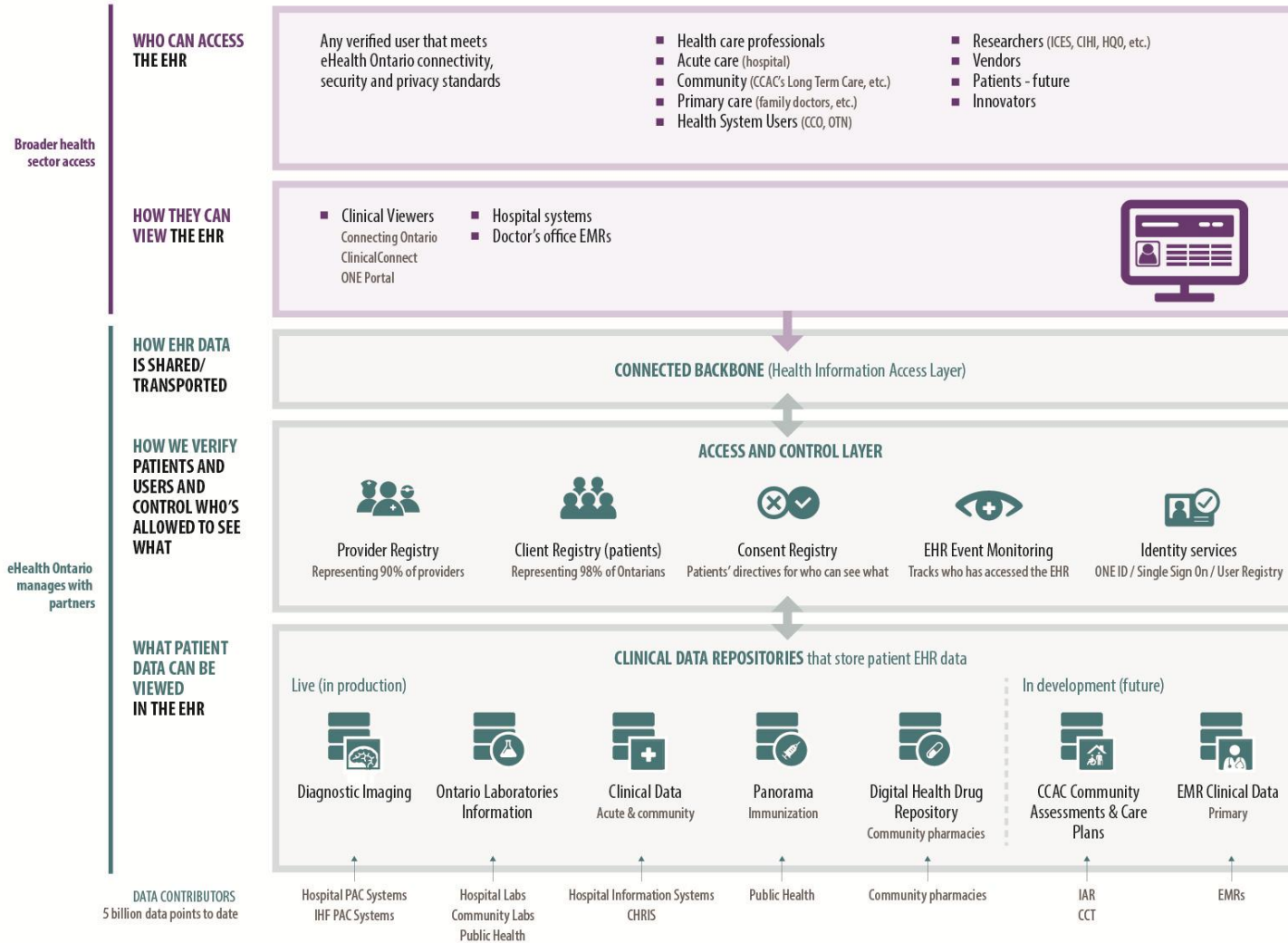
# eHealth Ontario's role

- The agency's role is to deliver a **comprehensive, patient-focused, secure and private Electronic Health Record (EHR) system** for Ontarians.
- An EHR includes all of a patient's health information: a record that is **up-to-date, complete, and accurate**
- The system is working today, with networks to **connect health organizations and sole practitioners across the province**, and repositories which securely store billions of records, all anchored by solid security and privacy protocols.
- Having access to digital medical records puts clinicians in a better position to provide the best possible care.

# Benefits of EHRs

- **Better coordinated care** — teams of health care providers — primary care physicians, specialists, nurses, technicians, and other clinicians can all access the same patient info
- **Eliminates the need for duplicate tests**, can prevent unnecessary admittance to the hospital, and **saves the system money**
- More complete patient information **enables clinicians to make well-informed treatment decisions more quickly and safely**
- **EHRs can encourage and enable to actively participate in managing their own health**
  - Many patients now expect to see their health care information – EHRs make it possible

# Elements of the EHR



# Progress report



**92,350**  
HEALTH CARE  
PROFESSIONALS  
CAN NOW ACCESS  
PATIENT EHRs.

## EHR includes

- Cardiovascular reports
- Respiratory reports
- Visit details
- Allergy information
- Neurophysiology reports
- Medication profile (from hospital)
- Infection control information
- Lab reports
- Hospital discharge summaries
- Emergency dept. reports
- Diagnostic imaging reports (e.g., X-rays)
- AND MORE

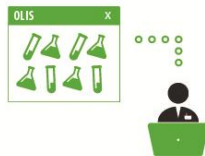
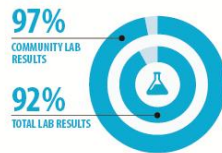


## SECURE DIGITAL LAB RESULTS

Ontario laboratories information system (OLIS) is capable of storing over **68,000 unique types of test results.**

## DATA CONTAINED IN OLIS

Currently, there are over **3.1 billion results** in OLIS.



**15.4 million+** searches for patient records by **65,000 health care professionals** in the last 12 months.

## ACCESS TO NEURO SPECIALISTS 24/7

Neuro trauma patients, including victims of stroke, have **access to a neuro specialist 24 hours a day, 7 days a week.**



**55,000+**  
NEURO CONSULTATIONS  
MADE REMOTELY

**MILLIONS**  
OF TAXPAYER DOLLARS  
SAVED



**100% of hospital sites** can share diagnostic images and reports digitally within their region.

## ACCESS TO MEDICATION HISTORY



Medication history of **all Ontario seniors** is accessible to health care providers in all hospitals and emergency rooms.



## SECURE INFORMATION TECHNOLOGY

**1.8**  
**MILLION**  
EMAILS EXCHANGED DAILY

**Over 300,000 mailboxes** are connected to our secure email service.

## DATA CENTRE

State-of-the-art, fully monitored data infrastructure is designed specifically for health care requirements.



# What Ontario Clinicians are saying

*“When I log in...I get a one-stop shop of medical records, consultation notes, labs, pathology, radiology and diagnostic imaging”*

*Dr Rafi Setrak, Niagara Health System*

*“[the viewer] allows the clinician to focus on clinical decision-making. Pulling data from a number of sources is work that would’ve taken hours to do and condensing it into seconds”*

*Dr Naresh Mohan, Rouge Valley Health System*

*“... first, ... it allows me to access information very quickly. Second, the patient has the comfort of knowing that I have the information right away”*

*Dr Upe Mehan, The Centre for Family Medicine*

# High performing health system attributes

## **ACCESSIBLE**

People should be able to get timely and appropriate healthcare services to achieve the best possible health outcomes.

## **EFFECTIVE**

People should receive the care that works and is based on the best available scientific information.

## **SAFE**

People should not be harmed by an accident or mistakes when they receive care.

## **PATIENT-CENTRED**

Healthcare providers should offer services in a way that is sensitive to a patient's needs and preferences.

## **EQUITABLE**

People should get the same quality of care regardless of who they are or where they live.

sickness and improve the health of the people of Ontario.



# Attributes (con't)

## **EFFICIENT**

The health system should continually look for ways to reduce waste, including waste of supplies, equipment, time, ideas and information

## **APPROPRIATELY RESOURCED**

The health system should have enough qualified providers, funding, information, equipment, supplies and facilities to look after people's health needs.

## **INTEGRATED**

All parts of the health system should be organized, connected and work with one another to provide high quality care.

## **FOCUSED on POPULATION HEALTH**

The health system should work to prevent sickness and improve the health of the people of Ontario

# Value and Opportunities Created by Ontario's Digital Health Assets

## Ed Clark report

### Key points:

- Report confirms that the infrastructure built through eHealth Ontario and other health system partners provides significant and ongoing value to Ontarians and should continue to serve as a backbone for sharing patient health information.
- In an increasingly connected and mobile world, must accelerate the work done to make progress on digital health, but also make sure this is done in concert with a strategy that puts patients at the centre.
- The ongoing value well exceeds the costs of maintaining and growing Ontario's digital health assets. eHealth Ontario has built core infrastructure that is now creating real value for Ontarians.
  - In 2015-16 Ontario's digital health assets generated annual benefits of \$900 million per year.
- In order for patients to realize all the benefits the digital health can bring, the government needs to move to a more directive approach.
- The Ministry should re-scope the mandate of eHealth Ontario to focus on technology service delivery and to ensure the agency is held to account for delivery against its mandate
- It should more clearly articulate a digital health strategy for the province that outlines the roles, responsibilities, achievements and objectives of each specific actor
- The digital health strategy must include a focus on minimum requirements for last mile connections and end users such as health care providers, practitioners, and patients.
- The implementation of the digital health strategy must include a strong focus and set of minimum requirements for the patient experience.
- The oversight of the digital health strategy should be assigned to a Digital Health Strategy Secretariat.

# What lies ahead

- Completing remaining EHR component builds
- Increasing adoption and use: continuing to add more valuable data
- Focusing on constantly improving speed and reliability of system