

# e-Health 2016

## Growth of the iEHR in Canada: User Adoption Landscape



# Presentation Objectives

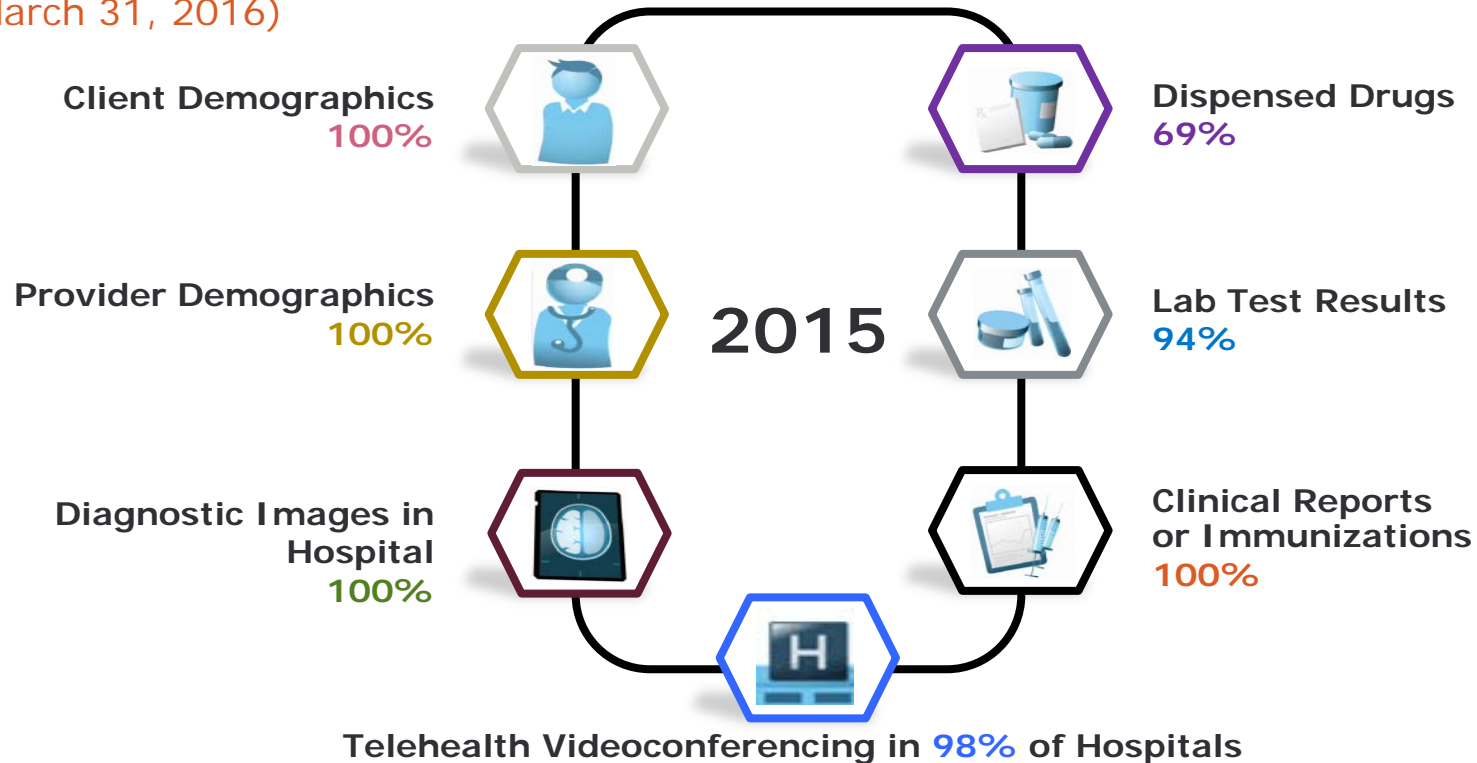
1. To demonstrate the progress made in Canada in the use of the interoperable electronic health record (iEHR)
2. To present a variety of methods for measuring and tracking adoption of the iEHR and to provide context for the reported data

# Current Types of Reporting



# Digitization of information for authorized users

(March 31, 2016)



# Principles of Adoption/Use Reporting



Comprehensiveness



Simplicity



Reliability



Comparability



Coherence

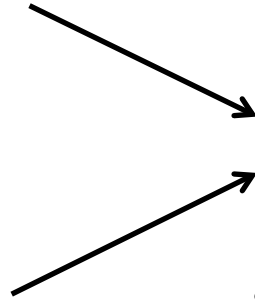
# Data Collection and Use Reporting



- System data provided by jurisdictions



- Survey data: Infoway-funded as well as through external partnerships (e.g., NPS, Commonwealth Fund)



- Adoption Trends
- Cumulative Benefits



## External

- Annual Report
- Pan-Canadian Studies
- International comparisons

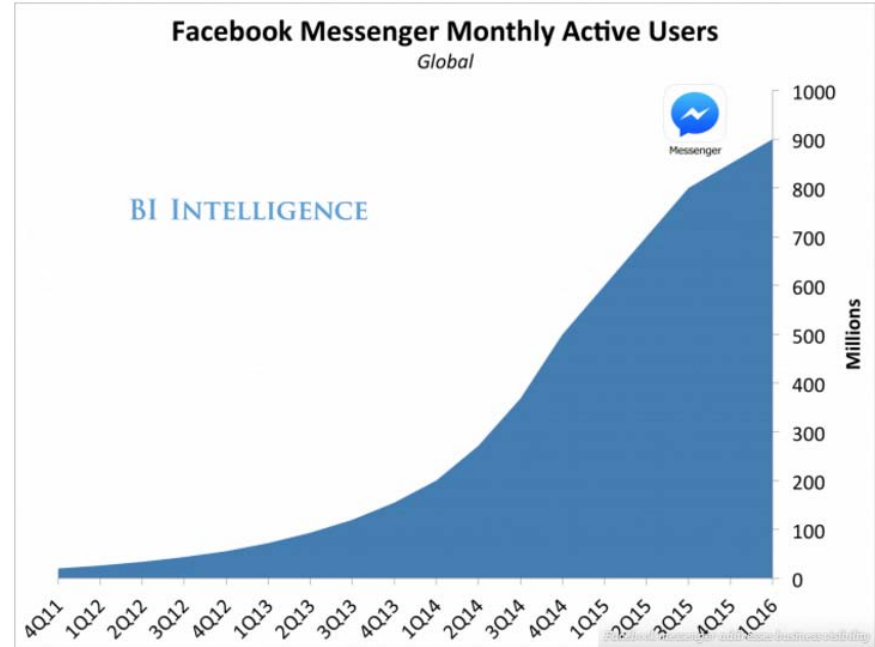
## Internal

- Project tracking against deliverables
- Informs program strategies

## Active user concept

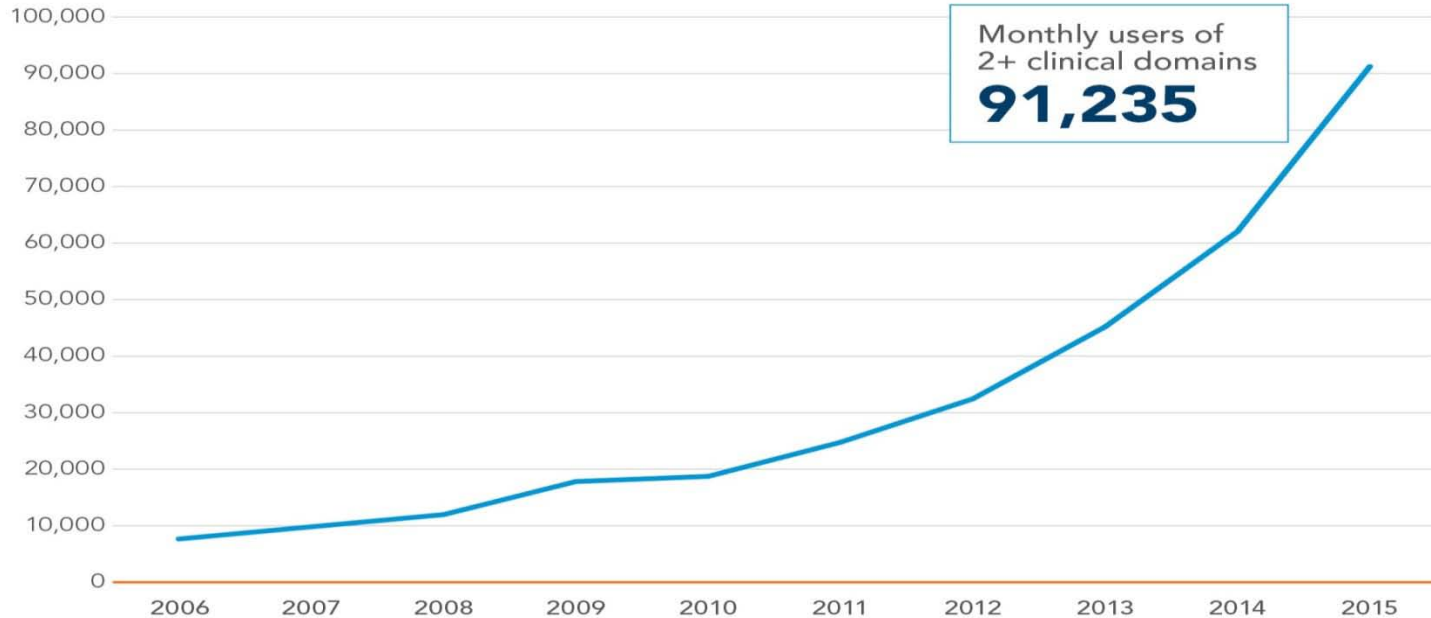
- Defined as access to two or more integrated provincial data assets (e.g., lab information system, drug information system, diagnostic imaging repository, etc.)
- Active users have accessed the system a minimum of one time per month (or three times per quarter)
- Users of point of care systems with data feeds from provincial assets are deemed to be active users of the EHR

# Other examples of active use





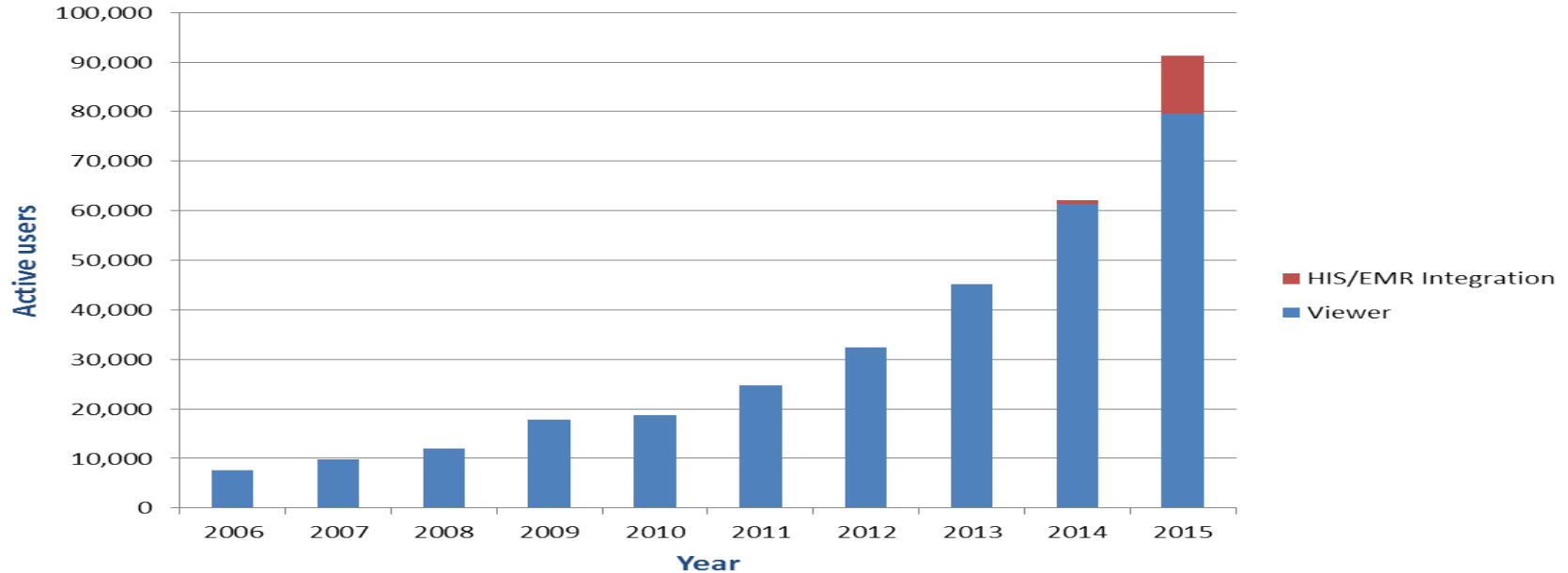
## Active EHR Use Across Canada (Jan. 2015)



### Notes:

1. Figures represent active users with access to two or more integrated provincial data assets (e.g., lab information system, drug information system, diagnostic imaging repository, etc.)
2. Active users have accessed the system a minimum of one time per month
3. This graph does not depict the number of users of individual data assets that are not integrated with other systems.
4. Users of point of care systems with data feeds from provincial assets are deemed to be active users of the EHR

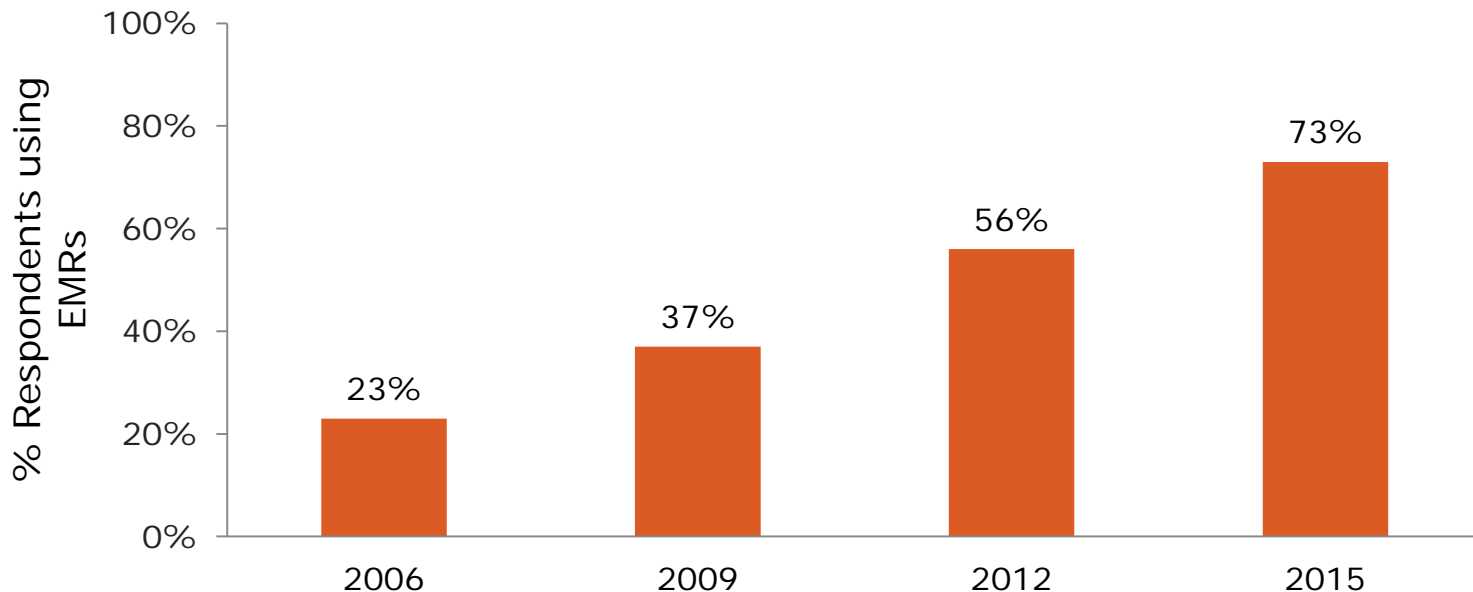
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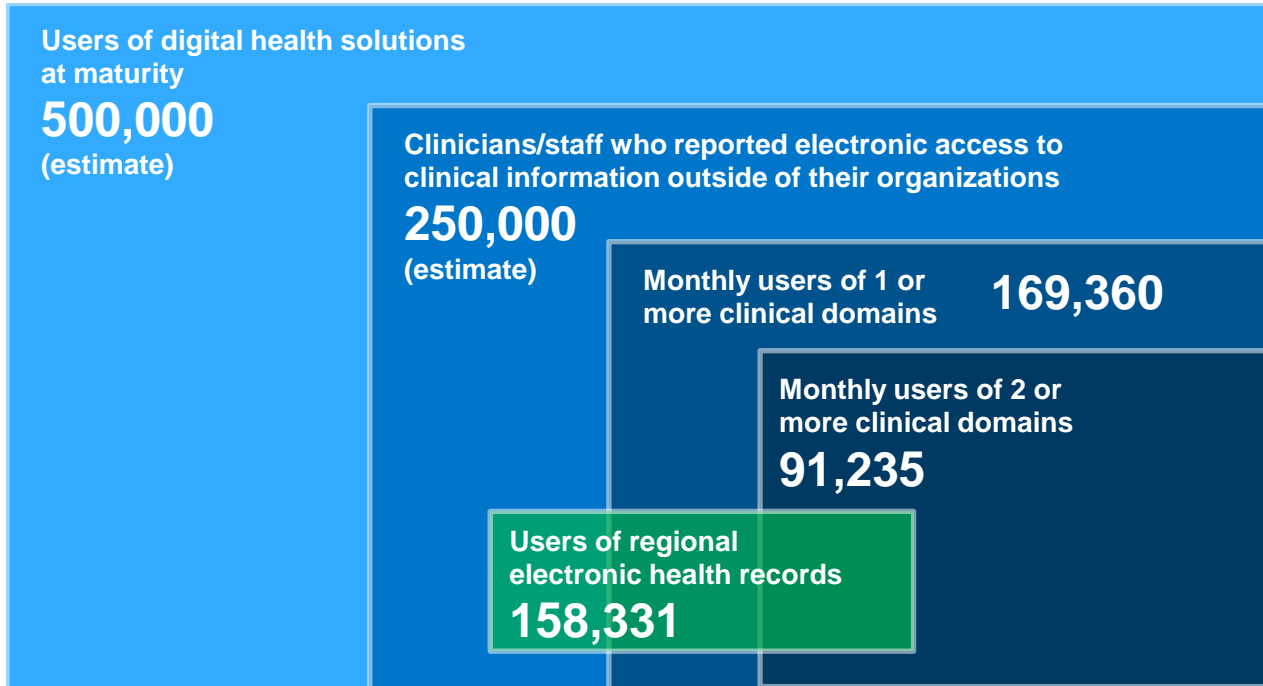
# Investments have driven growth in primary care physicians' use of EMRs in Canada over time



Survey question: Do you use electronic patient medical records in your practice (not including billing systems)?

Source: Commonwealth Fund International Health Policy Survey of Primary Care Physicians (2006, 2009, 2012, 2015)

# What is the context? (2015 data)



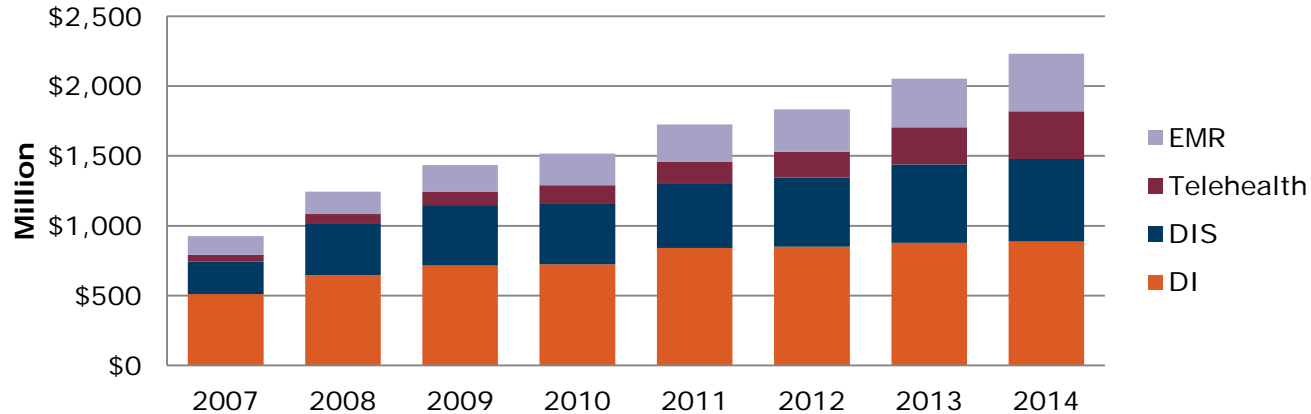
# Current Types of Reporting



# Example: estimated aggregate benefits

Since 2007, an estimated \$13 billion in benefits have been accrued to families and the health care system as a result of investments in telehealth, drug information systems, diagnostic imaging solutions, and physician EMRs

**Annual Benefits since 2007**  
(inflation adjusted to 2014 dollars)



# Value of measuring use/adoption

- Data collected allows for multi-year trending and monitoring of progress
- Enables target-driven approach for project reimbursement (gated funding)
  - Clear correlation between projects and programs applying evidence-based targets and benchmarking and long-term success
    - Effective lever for driving broad deployment and adoption
- Ensures critical mass of users as a foundation for continued development and innovation



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Thank you

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