

# Supporting Care: Developing a Strategy for E-Integrated Care Plans

National Community Health Nurses  
of Canada Conference  
St. John's, NL, May 30 - June 1, 2016



# Objectives

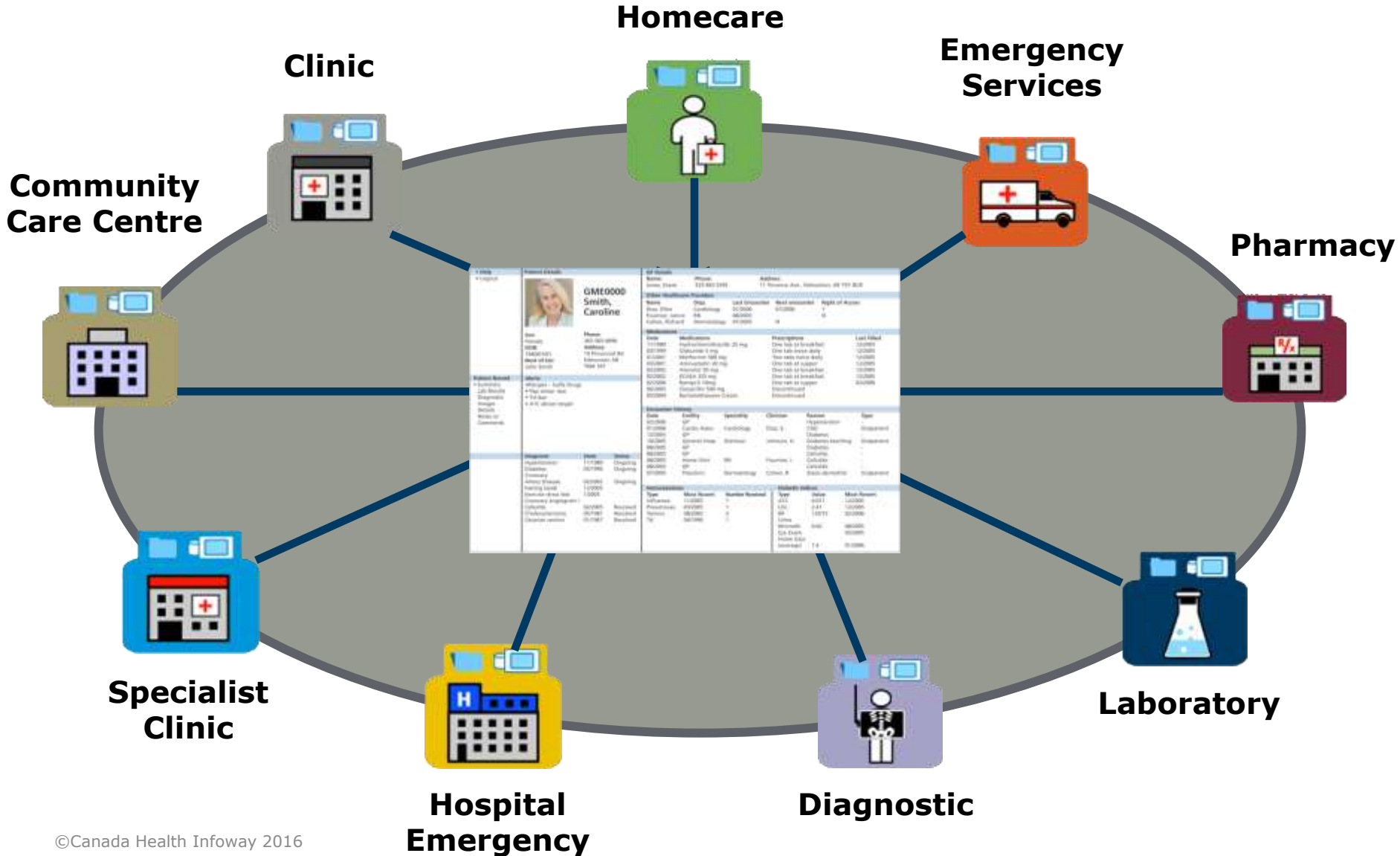
- In this concurrent session, participants will gain an understanding of:
  - E-Integrated Care Plans (e-ICPs).
  - Key findings from National Survey of Canadian Nurses: Use of Digital Health Technologies in Practice.
  - The Pan-Canadian Nursing EHR Business and Functional Elements Supporting Clinical Practice Reference Document - supporting nurses to *"move the needle."*

## Who and what is *Infoway*?

**With our partners, *Infoway* helps accelerate the development, adoption and effective use of digital health solutions across Canada**



# Points of care



# Evolving Focus of Peer Networks

Choosing and using

➔ Optimizing use

➔ Advanced clinical e-functions & patient e-services (consumer health solutions)

Clinical e-functions			Patient e-services	
e-Prescribing	e-Consult	e-Referral	e-Booking	e-Visits
e-Med Rec	e-Synoptic Reporting	e-Clinical Decision Support	e-Views	e-Prescription Refill
e-Notifications	CPOE	e-Integrated Care Plan	e-Remote Patient Monitoring	e-Prescription Renewal

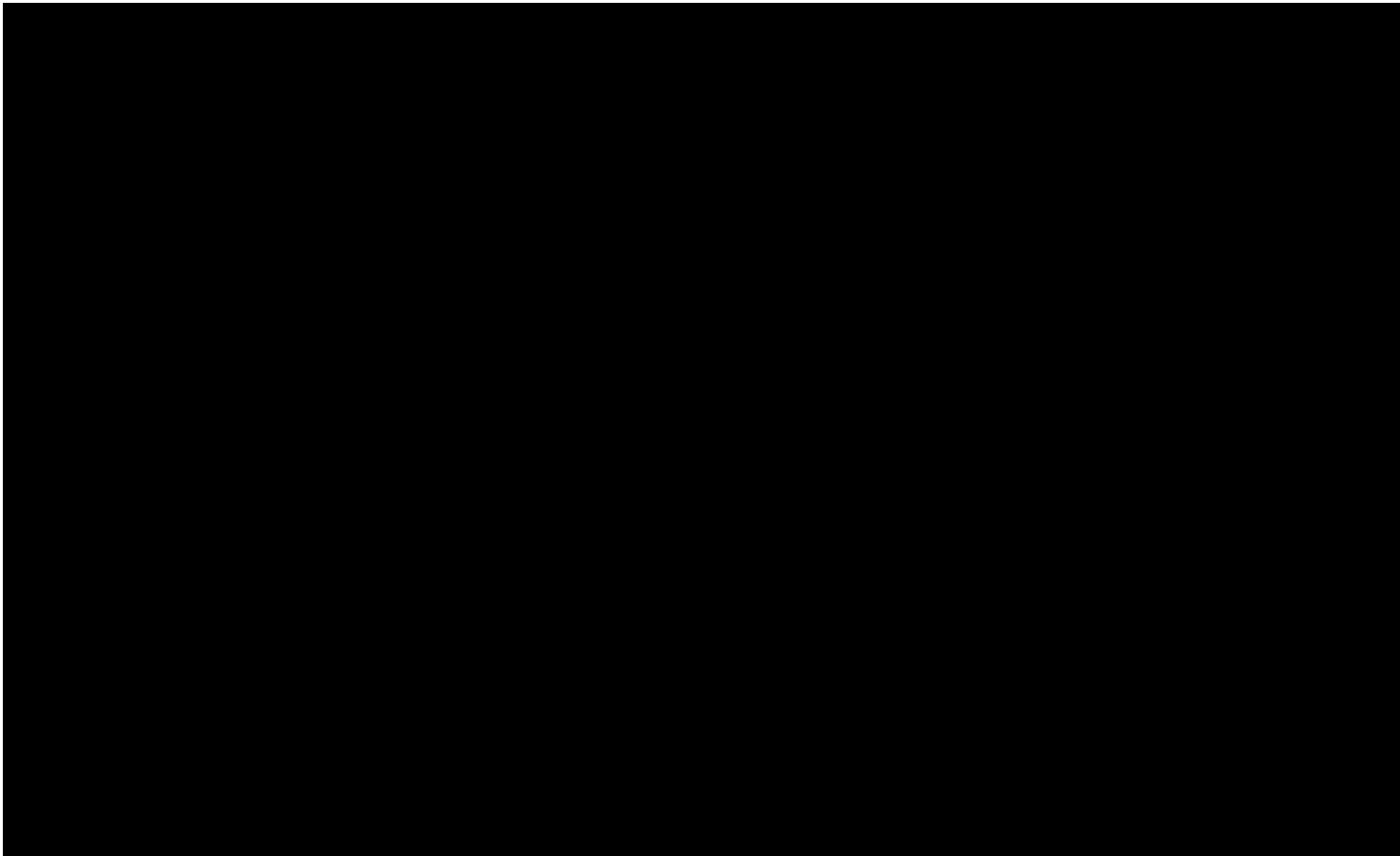
# Advancing Collaborative Practice and Person Centered Care through e-Integrated Care Plans

- “e-Integrated Care Plans” is an emerging area that has been identified as very important and valuable by patients and clinicians.
- *An e-integrated care plan is an information and communication tool that allows all appropriate and authorized health care providers from across the continuum of care and the patient, authorized family/significant other to have access and to contribute to an integrated plan of care that may include health conditions, goals, interventions and target dates for evaluation.*

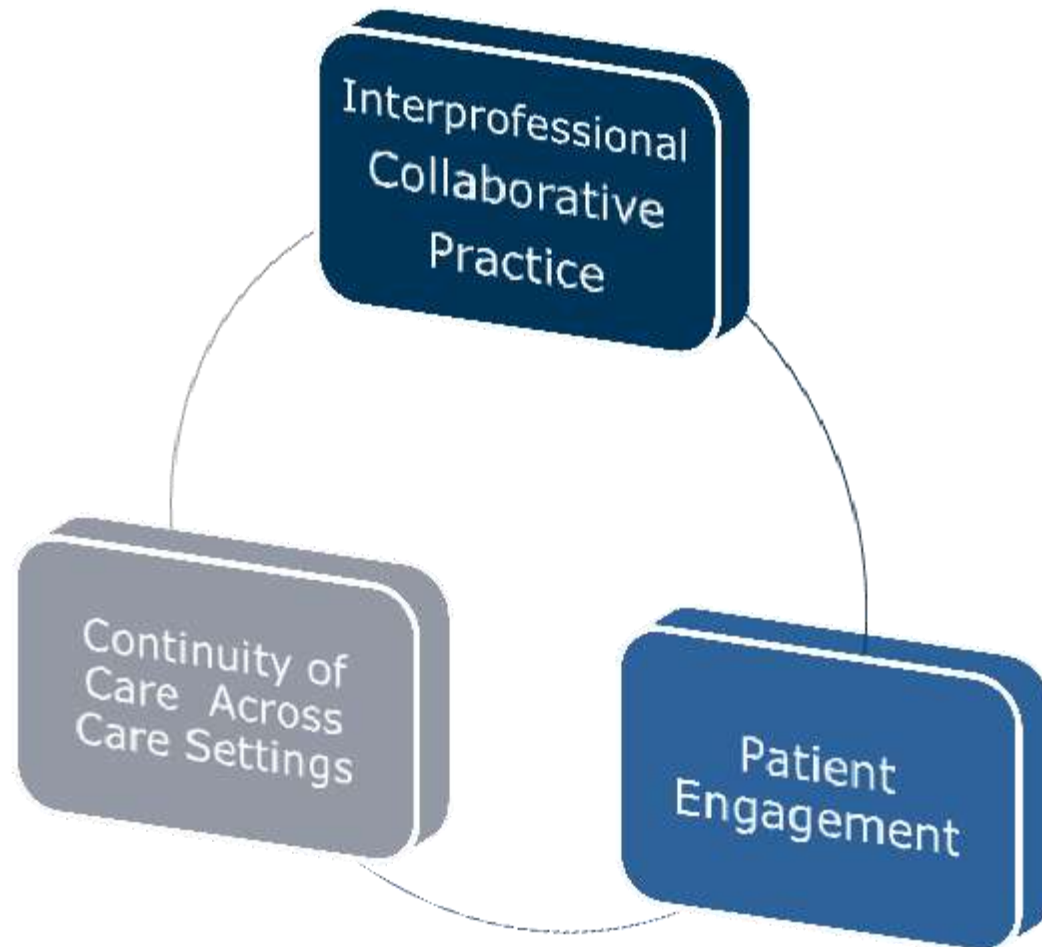
*\*family refers to “person(s) who are related in any way including immediate relatives and other individuals in the patient’s support network. The patient defines the makeup of their family, and has the right to include or not include family members in their care, and redefine the makeup of their family over time (adapted from Accreditation Canada)*

*(Revised 2015 Infoway Clinical Council and Reference Groups  
Clinical Adoption Blueprint 2011 Definition)*

# Alexa's Perspective



# e-Integrated Care Plan





# What is the future state of e-ICPs?



# National Nurses Survey

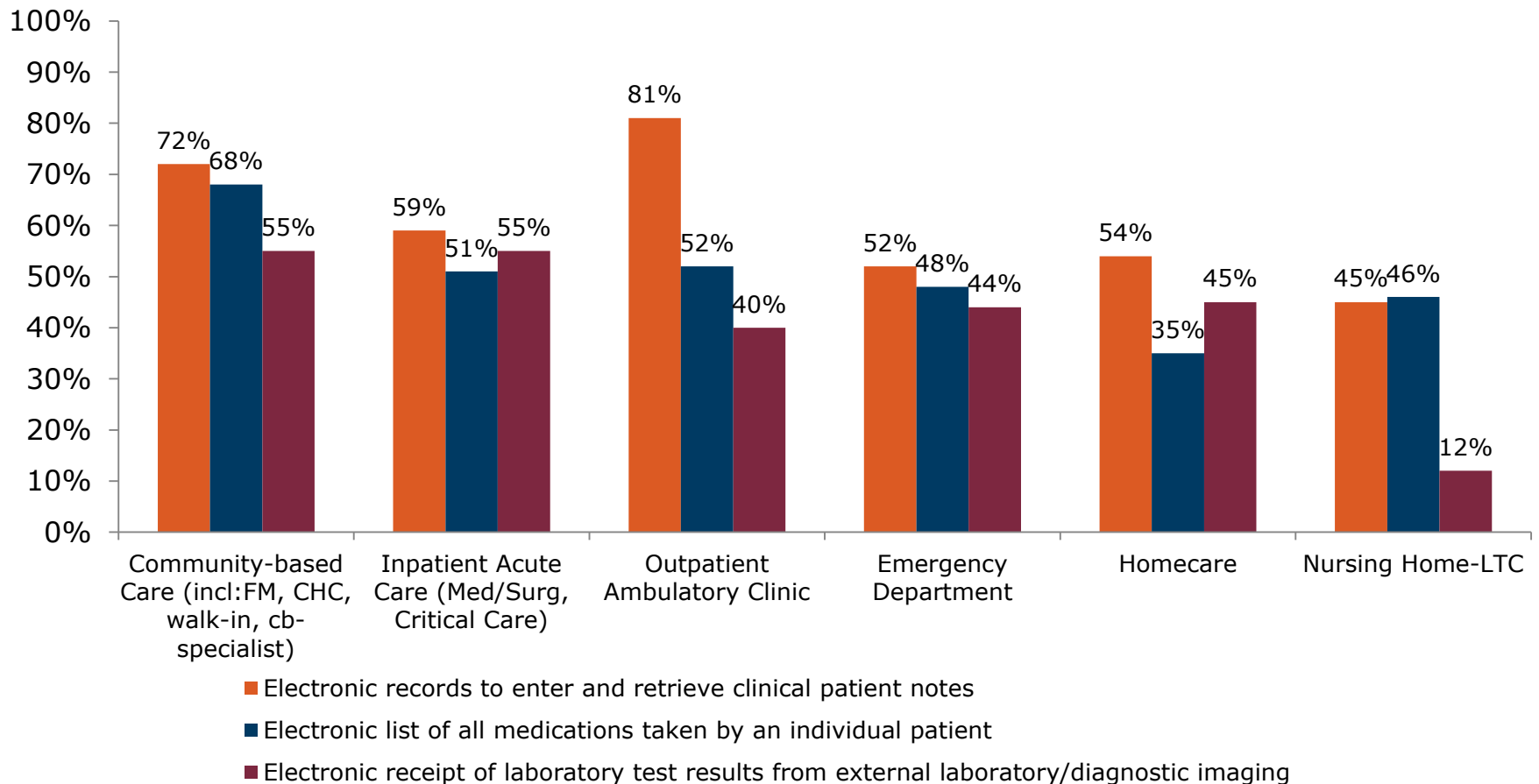


Final Report  
**National Survey of Canadian Nurses:  
Use of Digital Health Technologies in Practice**  
June, 2014

<http://bit.ly/nursessurvey>

- Canada Health Infoway, in partnership with the Canadian Nurses Association (CNA)
- Total of 1,690 surveys were completed in English and French in 3 weeks between February-March, 2014
- Results in the final report are based on those in clinical nursing only (n=1,094).

# Nurses use of electronic functionalities: Accessing/Viewing Results (Information) and clinical documentation



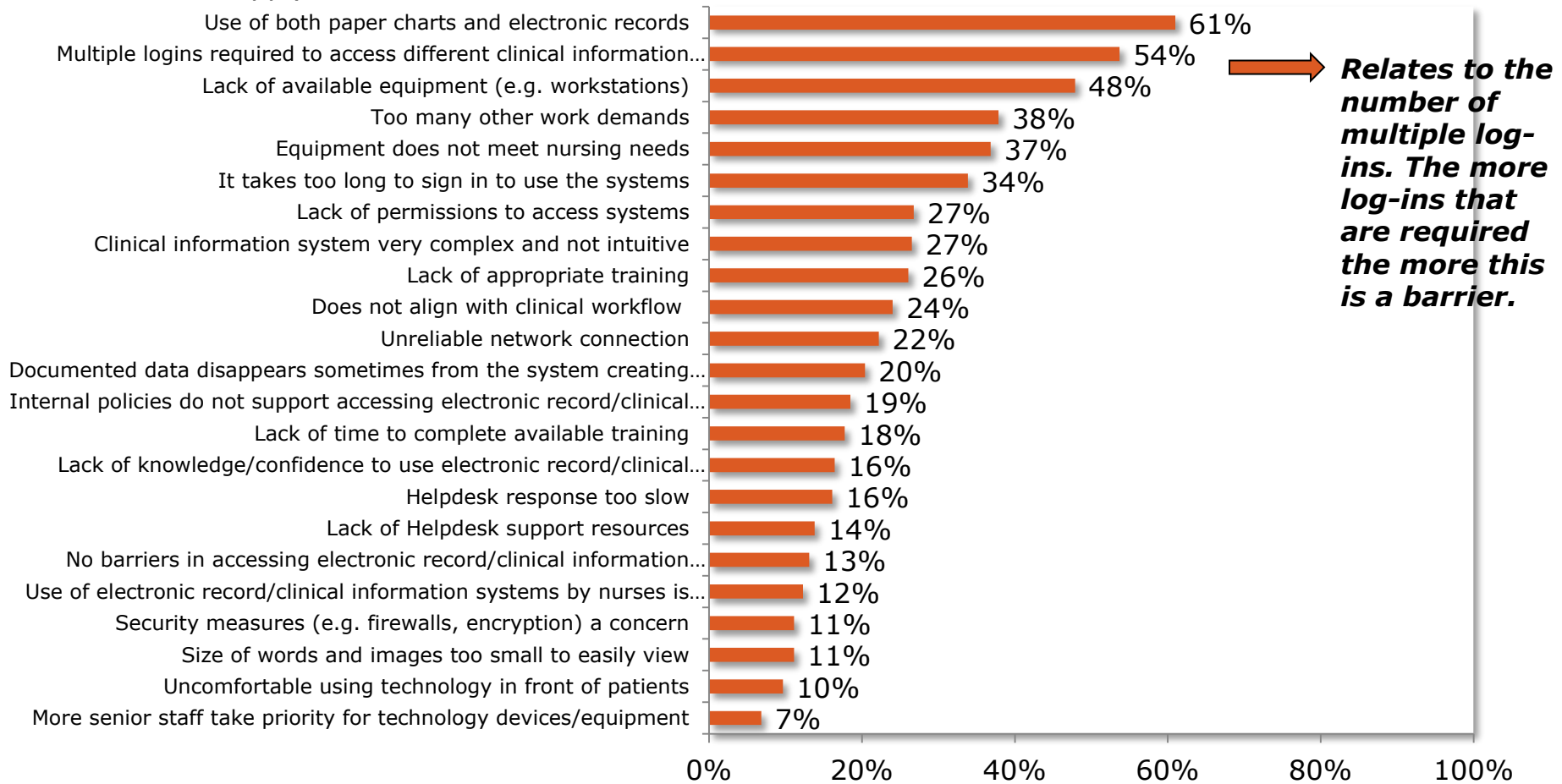
# What are Canadian Nurses Saying

- 83% of Canadian nurses are comfortable using digital health tools in practice
- 78% feel that digital health tools could improve continuity of care
- 72% feel that digital health tools could improve patient safety



## What barriers currently exist to prevent you from accessing or getting full value from your electronic record/clinical information systems in your MAIN patient care/practice setting?

Check all that apply

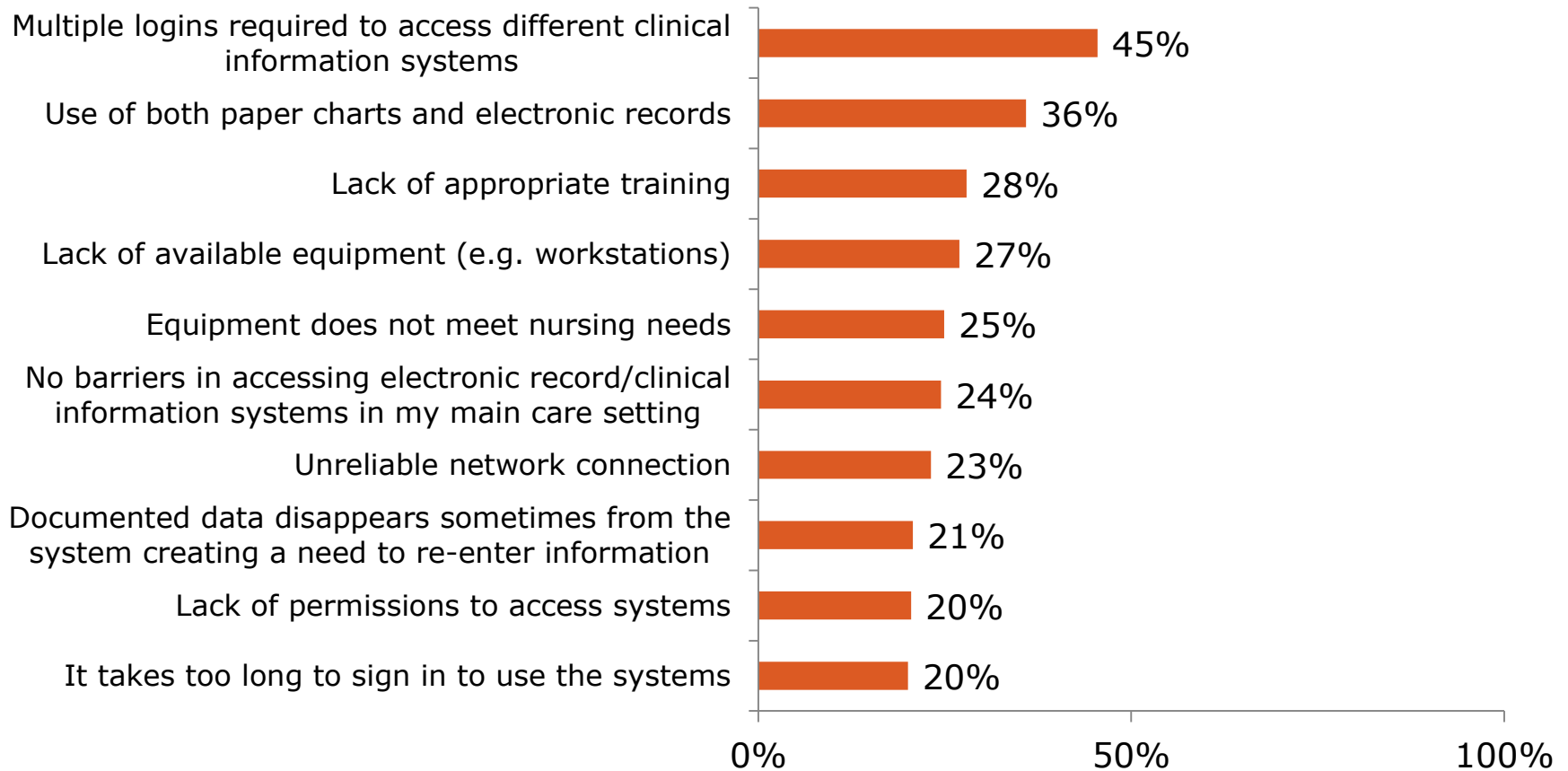


Base: All respondents in clinical practice providing direct care (n=910)

Excludes those who responded: Not applicable - no electronic systems in place

# Barriers to realizing full clinical value of EMR: Community-based Primary Care

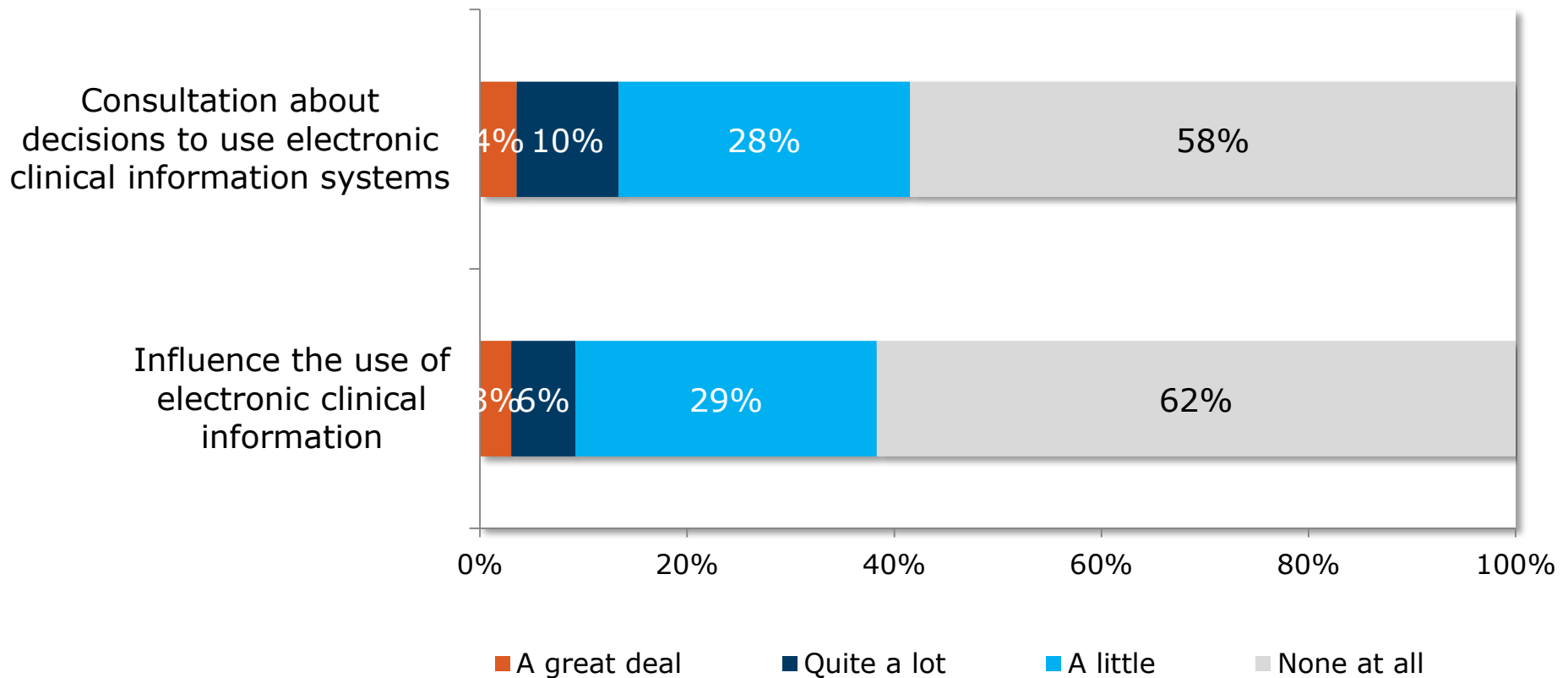
■ % Nurses



Base: All respondents in clinical practice providing direct care in community-based practice settings (n=196)

Note: Barriers mentioned by less than 20% of respondents not reported here

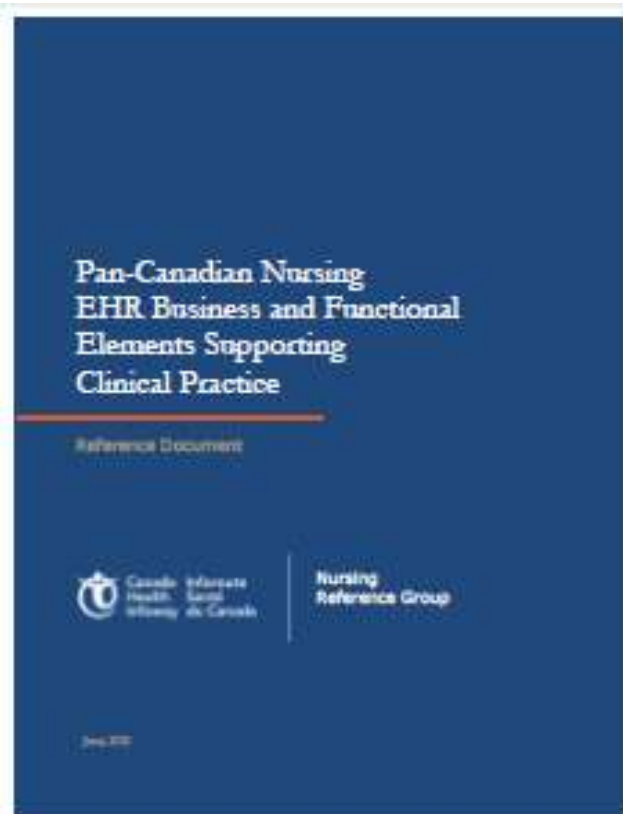
## Few Nurses (all settings) claim high levels of consultation prior to implementation



Base: All respondents in clinical practice providing direct care (n=931)  
Excludes those who responded: Not applicable - no electronic systems in place



# *Pan-Canadian Nursing EHR Business and Functional Elements Supporting Clinical Practice – Reference Document*



- The [Pan-Canadian Nursing EHR Business and Functional Elements Supporting Clinical Practice – Reference Document](#) can be found on the on the [Canada Health Infoway](#) corporate website.



# Framework: Nursing EHR Data Clinical/Business & Functional Requirements

– **Perspectives:**

- Patient
- Nurse
- Health Information

– **Functionality Components:**

<b>Patient</b>	<b>Safety</b>	<b>Privacy</b>	<b>Patient/Family-centred care</b>	<b>Care Coordination</b>
<b>Nurse</b>	<b>Usability</b>	<b>Productivity</b>	<b>Clinical Decision Support</b>	<b>Collaborative Practice</b>
<b>Health Information</b>	<b>Critical Data Access</b>	<b>Data Sources</b>	<b>Data for Patient Care and Health System Use</b>	<b>Communications</b>

# Developing the pan-Canadian Nursing Functional Elements for the Electronic Health Record

[https://www.infoway-inforoute.ca/index.php/resources/other/doc\\_download/582-developing-the-pan-canadian-nursing-functional-elements-for-the-ehr](https://www.infoway-inforoute.ca/index.php/resources/other/doc_download/582-developing-the-pan-canadian-nursing-functional-elements-for-the-ehr)

## Developing the pan-Canadian Nursing Functional Elements for the Electronic Health Record

### Overview

The vision of healthier Canadians through innovative e-health solutions is supported by an infrastructure that provides residents of Canada and their health care providers with timely, appropriate and secure access to the right information when and where they enter into the health care system. Once completed, the electronic health record (EHR) will provide a lifetime record of a person's significant health history and is designed to facilitate information and communication sharing across the continuum of care, across health care delivery organizations and eventually across the country.

Canada Health Infoway's (Infoway's) Nursing Reference Group (NRG) recognized the strategic importance of proactively suggesting key EHR business and functional elements for nurses. Timely access to information will help inform the overall nursing care management of patients/clients/residents improving their experiences and outcomes across the continuum of care.

### About Infoway's Nursing Reference Group

The NRG is one of three discipline-specific clinical groups (physicians, nurses, pharmacists) providing expertise to inform Infoway's plans to accelerate clinical value for Canadians and their healthcare providers through the use of information and communications technologies. NRG members represent pan-Canadian nursing leaders including practicing nurses, informatics experts, academics and other provincial, territorial and federal partners.

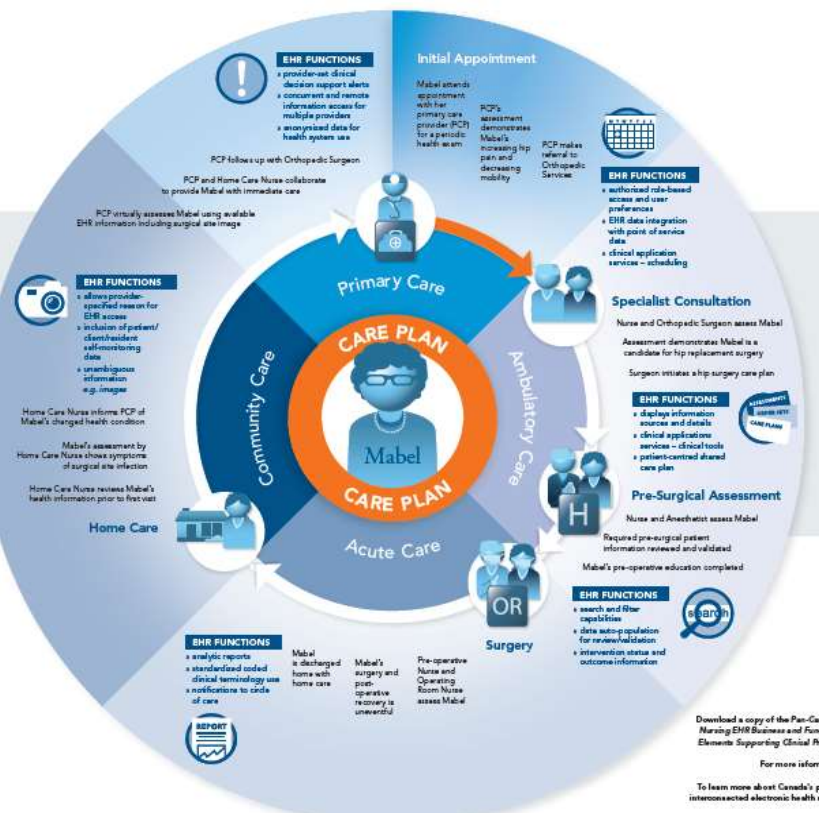
### Clinical Engagement Outcomes

As part of the NRG, a pan-Canadian working group was established to develop the methodology and leverage existing nursing standards assessment tools and best practice guidelines supporting the inclusion of nursing data in the EHR to inform nursing practice. It was recognized that the EHR needs to enable appropriate and efficient patient information flows between the EHR and other information and communication 'point of service' systems. EHR functionality at a broad level needs to enable safety, privacy, patient/family centred care, care coordination, communication, usability, productivity, clinical decision support, collaborative practice, identifiable data sources, critical data access and anonymized data for health system use.

### Clinical Scenario

A clinical scenario was developed to illustrate the future practice state enabled by the EHR. It depicts the nursing management of post-operative pain – across healthcare providers and across care settings, described within a patient's hip surgery experience.

*Mabel Lambers as featured in this scenario is a 57 year old female with a history of diabetes, hyperlipidemia, hypertension and osteoarthritis (OA). Due to her advanced OA she was referred by her primary care provider (PCP) to orthopedic surgical services. Her care management spans multiple health care sectors.*



### Conclusion

- EHRs must meet the needs of Canada's clinicians to ensure adoption, integration into practice and patient-centered care. Clinicians must be engaged from the outset to identify what their needs are so that 'form follows function'.
- The Nursing EHR business and functional elements contribute to reaching the preferred practice state by enabling:
  - Use of standardized and coded data to support information sharing and enabling the appropriate re-use and display of data for improved nursing productivity and efficiency.
  - Use of a shared patient care plan for improved inter-professional and patient communications and coordination of care.
  - Use of standardized evidence-based clinical content and clinical decision support for improved patient safety and care evaluation.

Download a copy of the Pan-Canadian Nursing EHR Business and Functional Elements Supporting Clinical Practice  
[clinicaladoption@infoway-inforoute.ca](mailto:clinicaladoption@infoway-inforoute.ca)  
 For more information:  
[www.infoway-inforoute.ca](http://www.infoway-inforoute.ca)  
[bit.ly/nursingelementsEHR](http://bit.ly/nursingelementsEHR)

## Key Success Factors

- Must meet the needs of Canada's clinicians to ensure adoption, integration into practice and patient-centred care.
- Clinicians must be engaged from the outset to identify what their needs are so that '**form follows function**'.
- The Nursing EHR business and functional elements can contribute to supporting and achieving optimized clinical practice by enabling:
  - Use of standardized and coded data to support information sharing and enabling the appropriate re-use and display of data for improved nursing productivity and efficiency
  - Use of a shared patient care plan for improved inter-professional and patient communications and coordination of care
  - Use of standardized evidence-based clinical content and clinical decision support for improved patient safety and care evaluation

# Questions



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Thank you