## **Cancer Care** Ontario **Action Cancer** Ontario

# Leveraging Information Technology to Improve Care: CCO's Approach to Population-Based Standardized Symptom Screening

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eHealth Conference June 2, 2015



#### **Outline**

- Symptom Management in Ontario
  - Ontario Cancer Plan IV
  - Evolution of Symptom Assessment
- ISAAC Use in Ontario
  - Current State
- Improving ISAAC to Meet User Needs
- Structures to Support Implementation and Operations

## **Ontario Cancer Plan IV (2015-2019)**

#### By 2019...

- Patients will report that cancer care was delivered in a manner that recognized their needs and preferences.
- Patients will have opportunities to report on their symptoms for specific disease sites in real time and will have their symptoms addressed.
- Patients and their families will have access to the resources, tools, knowledge and support they need to help them manage their care.
- Patient care information will be made available to patients and providers to support joint decision making (e.g., Diagnostic Assessment Program – Electronic Pathway Solution and Interactive Symptom Assessment and Collection).



## Vision for Symptom Management in Ontario

Improve the patient's experience by enhancing the quality and consistency of physical and emotional symptom management across the cancer journey





## **Electronic Symptom Assessment**

The Evolution of Symptom Management on ISAAC



## Interactive Symptom Assessment and Collection (ISAAC)

- ISAAC is an easy-to-use, standardized and secure web-based tool accessible to both patients and clinicians
- Developed and hosted by Cancer Care Ontario
- CCO supports the application for participating hospitals



- Primary patient access point:
  - Kiosks/tablets at hospitals
  - Personal computer at home (with internet connection)

#### **Lessons Learned – Regional Implementation**

#### Leadership and support **Administrative** ii. Integration of this work with other work in the Level organization i. Physician and clinician and team engagement and buy in Clinician Team-based approach but individual accountability ii. Level iii. Tools required to help the team respond Need to be engaged in the process (all stages from İ. selection of measure to response) **Patient** Coaching/support on how to complete survey ii. Level Education on self management of symptoms iii.

### **ISAAC** Use in Ontario

Over **4.0 million assessments** in the ISAAC database todate

**167,569 unique patients** were screened with ISAAC in 2014



Over 30,000 patients are screened every month

Established in **34**Partner Hospitals

Established in 14
Regional Cancer
Centres

325 ISAAC kiosks have been implemented across Ontario to-date



#### Clinicians say:

"This is helpful in picking up new and arising symptoms immediately."

#### **Current State of ISAAC**

ISAAC mainly used in Regional Cancer Centres and partner hospitals

New functionalities have been created to support iPad tablets as mobile kiosks

New Patient Reported
Outcome Measures have been
added to ISAAC

Growing emphasis on usability and reliability as strategic opportunities for investment

## **Improving ISAAC to Meet User Needs**

Performance Requirement	Activity to Support Performance Requirement
Reliable	<ul> <li>Development to ensure higher availability of ISAAC to users</li> </ul>
Usable	Addressing barriers identified by end users
Mobile	<ul> <li>Development of Mobile ISAAC for FNIM (First Nations, Inuit, Metis) populations is complete</li> <li>Development of Responsive Web platform is under way</li> </ul>
Integration with Electronic Health Records	<ul> <li>27/48 sites have ISAAC HL7 messages integrated to eMR</li> </ul>
Integration with Hospital Registration Systems	ADT integration to ISAAC

### Structures to Support Implementation & Operations

- Provincial ISAAC Application User Group
- CCO ISAAC dedicated mailbox for issues/tech support/enhancement requests
- Application Enhancement Request Process
- CCO Product Management and Implementation teams

## Questions



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