# **Supporting the New Ontario Health Teams**

Integrated Digital
Tools Produce Value
Through
Improved Transitions

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# **OntarioMD Delivers a Suite of Digital Health Services**

#### **Our Partners:**















#### **Partnered Initiatives:**











eHealth Ontario ONE ID

**eHealth** Ontario Connecting Ontario

eHealth Ontario ONE Mail

#### **OntarioMD Initiatives:**



















#### **OntarioMD's Vendor Partners**

































### **OntarioMD** is Quality

Quality isn't Job One Being totally frickin' amazing is Job One

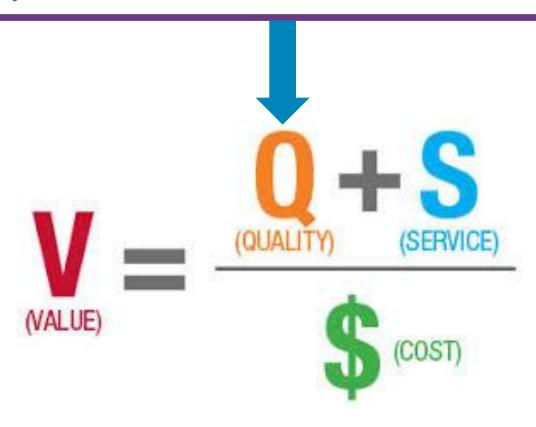


@gapingvoid



#### What is Value?

Six domains of Quality: Efficiency, Effectiveness, Safety, Timeliness, Patient-centred, Equity



#### What Value Means to Us

**Timely** 

**Efficient** 

**Equitable** 

**Patient-centred** 

Safe

**Effective** 



Delivered with a high degree of service and reliability

At a reasonable cost to the system



# This is why we do what we do. It's actually about care.



# Let's Talk About John

#### John



- Homeless and sleeping in a downtown
   Ottawa shelter
- Has bipolar disorder and chronic pain due to peripheral neuropathy
- Family physician is usual prescriber: Percocet
   max 4 daily, 120 tabs/month
- Monthly prescription usually gone within a week; John buys additional "percs" on the street or gets them through walk-in clinics – opioid use disorder

#### **A Story of Missed Connections**

- Admitted to Royal Ottawa Hospital for manic episode one month ago. Stayed one week and discharged back to shelter. Discharged to fam doc on Lithium and a Rx for 30 Ativan tabs to help sleep.
- Shelter MRP is nurse practitioner (NP) who charts on paper.
- Out of Percocet and too sick to access more from his doc.
   Visits Montfort Hospital complaining of severe headache ("migraine"). Does not disclose recent admission.
   Investigations normal.

### **A Story of Missed Connections**

 Receives injection of morphine and ketorolac, prescription for morphine syrup.

• Visits NP at shelter next morning complaining of severe pain; Not knowing about his visit and new Rx she renews his Percocet prescription as it is due (100 tablets).

 John dies later that day from overdose of Percocet, morphine and benzodiazepine.

# John's Digitally Disconnected Journey

- Two different hospitals, two different HIS
- No EMR in primary care environment (shelter) no hospital reports
- Double doctoring (FP, NP, ER)
- No access to controlled substance history before prescribing
- Lack of communication between care settings no warm hand-offs
- Family doc / NP alone in their treatment decisions
- Frequent health care access not known by others
- Providers don't view their practice as a population (diffusion of responsibility)



# John's Journey in a Connected Environment

- Primary care provider using certified EMR is connected to multiple sources of information in real time, accessing or viewing appropriate data when needed
- Health Report Manager is fully deployed and physician trained to use it, supplemented with ConnectingOntario
   ClinicalViewer access, seamlessly and contextually launched
- **High-risk patients identified** in the practice for proactive care via Insights4Care EMR Dashboard
- No duplication of opioid prescriptions or addition of other high-risk drugs



# **Invoking an Integrated Care Delivery System**

- Social / home care organizations can be involved
- Appropriate care in addictions and mental health can be activated in real time with access to same data
- Warm handoffs occur with case management and coordination
- John would have been identified as high risk for readmission or death and a prevention network activated

# What are the Components?



# HEALTH REPORT MANAGER

#### **HRM**

- Award-winning OntarioMD-developed digital solution
- Enables physicians and nurse practitioners to receive patient reports from hospitals and other sending facilities into certified EMR
- Safer, more efficient delivery of important, time-sensitive patient information
- Allows physicians to immediately act on info









### **HRM's Impact**



#### What This Means for John's Care

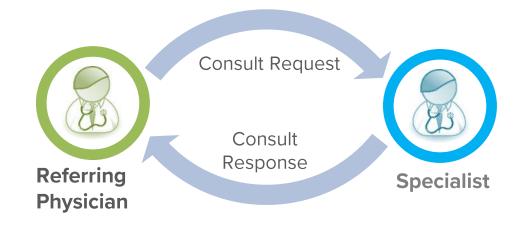
- eNotifications alert providers to admission, discharge and transfer
- Hospital reports arrive in real time to an EMR-based practice
- Family practitioner is aware of issues
- Other care providers could also be notified
- Discharge drugs noted
- Follow-up plans coordinate
- Case worker notified of high risk status to begin community monitoring and care navigation





#### What is eConsult?

eConsult enables physicians to engage in a secure, electronic dialogue with specialists to manage patient care, without the need for patient visit with specialist.



#### **Benefits**

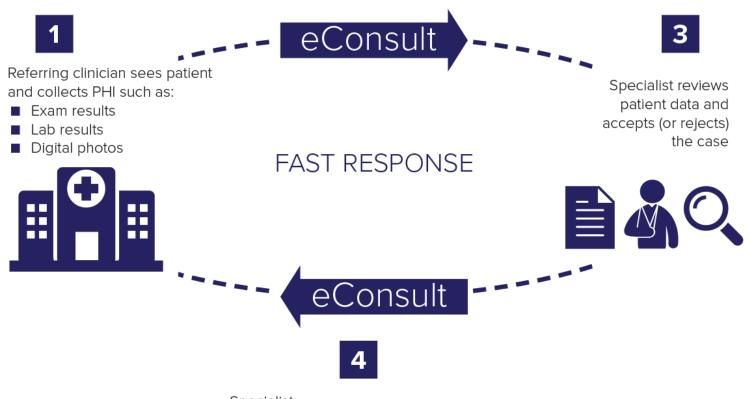
- √ Faster access to specialist advice
- ✓ Avoid unnecessary in-person specialist visits
- ✓ Improve care coordination and enable collaboration between clinicians
- ✓ More flexible and auditable than traditional phone calls, pages
  or hallway conversations



#### **How Does eConsult Work?**



Referring clinician creates and sends eConsult to specialist with PHI and a clinical question



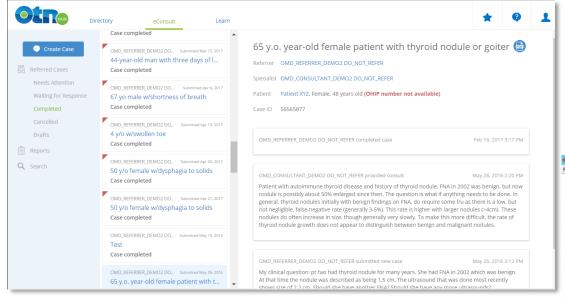
#### Specialist:

- Answers a clinical question or;
- Provides a consult report or;
- Requests that the patient be referred



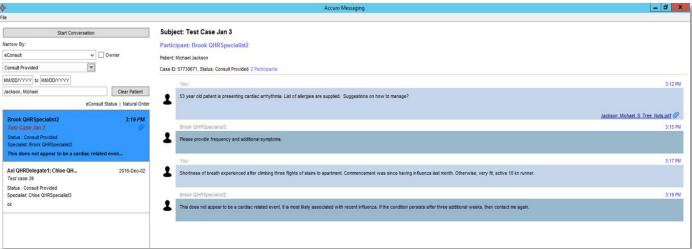
### **Accessing eConsult**

#### Web access through OTNhub



2017 winner of the Canadian Health
Informatics Award for Innovation in Care
Delivery

# EMR access (currently available through QHR Accuro® and OSCAR EMR)





#### What This Means for John's Care

- Family Physician / NP can get help when feeling outside of his/her skill set
- Directed activity toward substance use disorder
- Able to get assistance from pain specialist, mental health specialist, SUD specialist in as little as two days
- Greater access to help
- Patient does not have to move, but his information will



# EMR QUALITY DASHBOARD

### Population Health Analytics: A System-Wide Problem

- Community-based physicians are amassing a wealth of data in their EMRs
- They crave access to that data in real-time at the point of care, with the ability to drill down to patient-level data for better preventive care and to identify trends
- Current solutions only aggregate patient data centrally for research or population health purposes and cannot drill down to the individual patient



### **OntarioMD Insights4Care Dashboard: A Real Solution**

- OntarioMD has completed a Proof of Concept to give physicians tools to use their EMR data better for clinical outcomes and practice efficiency that:
  - Leverages <u>recognized provincial indicators</u> that demonstrate clinical or practice value and improve the quality of local EMR data
  - Opioid indicators now included
  - Are expandable and repeatable across all certified EMR products
  - Give physicians **the choice** of opting in or out of sharing, trending and comparing their statistics



### **Proof of Concept - Accomplishments**

#### **Successfully Completed in March 2019**



Successfully demonstrated the technical feasibility and clinical relevance of an EMR-integrated Dashboard

500

physicians and their practices participated



30

**Dashboard indicators** 



**Indicator Governance** 

2 EMR Vendors and Three EMR Offerings

OSCAR EMR
TELUS Med Access
TELUS PS Suite

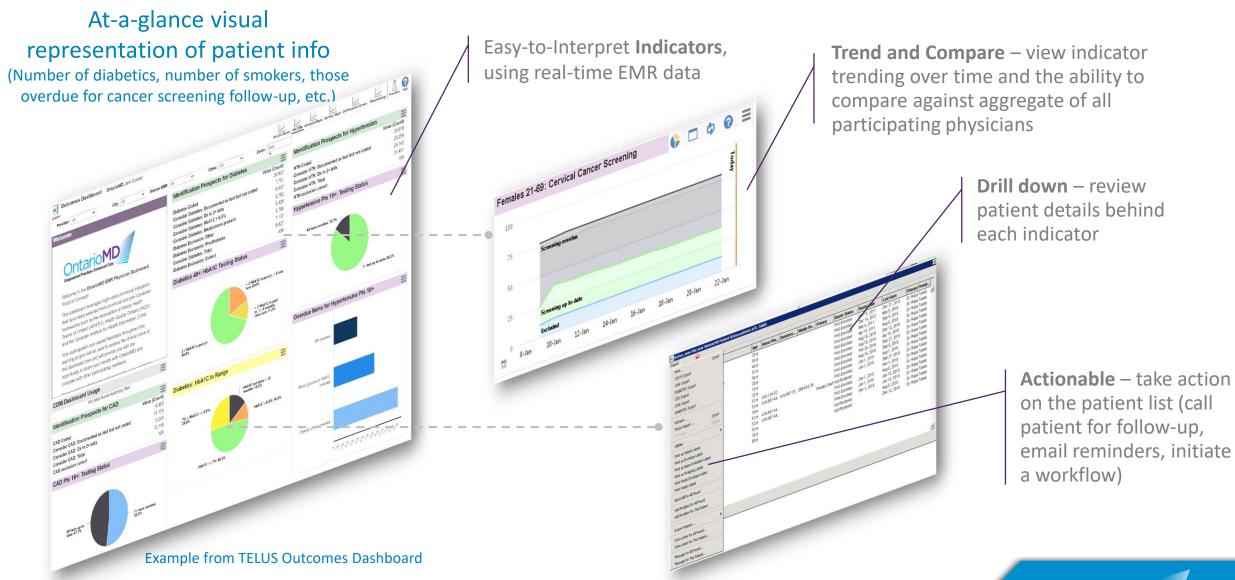
Key benefits validated through benefits evaluations



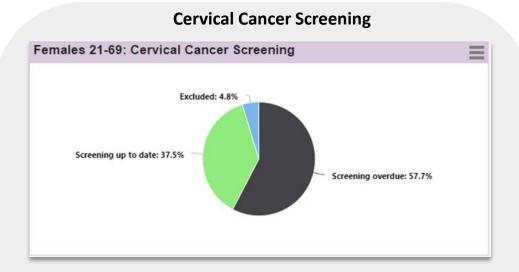
EMR Specification (Draft)
Published

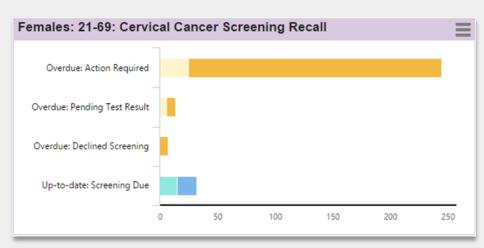


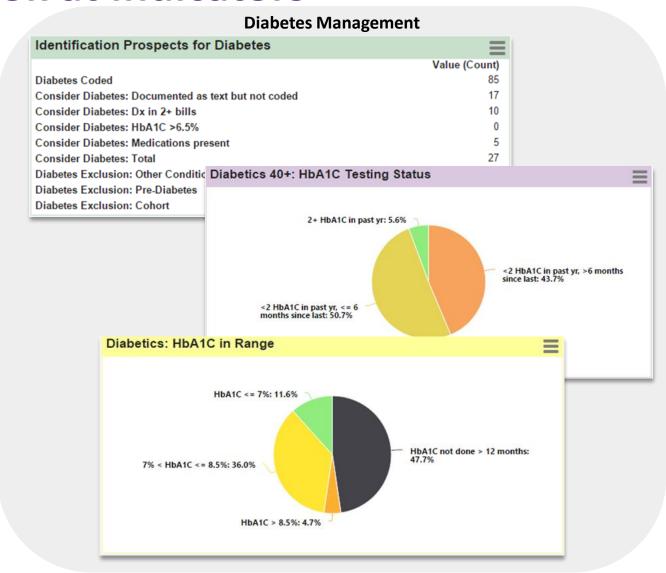
#### What is a Dashboard?



#### A Closer Look at Indicators









# **Key Findings**

Dashboard Enables Quality
Improvement

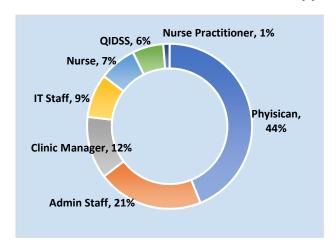
87% of Dashboard indicators recorded improvements only after 90 days of use

#### **Top 3 Benefits of Dashboard**

- 1. Helped to identify patients requiring follow-ups (64%)
- 2. Gave me the ability to drill down on an indicator to access patient lists (59%)
- 3. Prompted our practice to update information to improve data quality (53%)

The Dashboard Is Used by Different Staff in the Clinic

Dashboard has different user\* types



\*accessed the Dashboard at least once per month

Change Management
Support is Important

Two most common barriers to data quality improvement

#1 - Insufficient time

#2 - Insufficient staff

In 13 of 15 indicators measured, clinicians trained by OntarioMD with follow-on change management support improved more than those who elected not to proceeded with follow-on engagements.



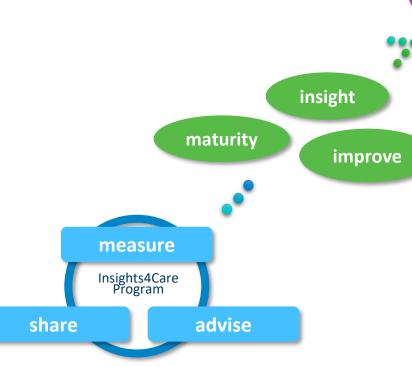
# **Insights4Care Program**

To support primary care quality improvement and to unlock the value of EMR data by delivering tools and services to enable clinical and population insights, to facilitate performance management and to improve access to community-based EMR data

Measure — Providing clinicians with EMR-integrated, actionable, quality reporting and population management tools

Advise – Supporting clinicians in their quality improvement journey and in maximizing the value of their EMRs

Share — Providing the technology platform and associated policies to facilitate access to, and sharing of, physician-level data with health system partners



quality

patient care

# **Insights4Care Program**



#### **Dashboard**

EMR-integrated, actionable, population health management tool



#### Learning

Primary Care oriented quality and practice improvement learning opportunities (self-paced, online, classroom)



#### **Advisory**

Advisory support by OntarioMD's quality improvement and EMR experts



#### Reporting

Dissemination of benefits evaluation results, research findings and reports



#### Knowledge

Tools and information resources on practice enhancements and quality improvements (panel management, EMR toolkits, guidelines)



#### **Collaboration**

Facilitating innovation and information sharing through Communities of practice



#### What This Means for John's Care

- At-risk patients identified if meds list is up to date
- Trending of issues over time
- Allows for program development within a practice
- Creates a more proactive view
- Can be shared for health system planning



# **Thank You!**

# Questions?





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