

EMR PHYSICIAN DASHBOARD

Proof of Concept

Since December 2015, OntarioMD has led a Proof of Concept initiative with OSCAR EMR, its supporting OSCAR Service Providers and TELUS Health Solutions to demonstrate a **provincial EMR Physician Dashboard framework** that:

1. provides immediate clinical value to physicians, through real-time visual representation of EMR data using widely-recognized primary care indicators;
2. provides the ability to drill down to patient-level data for each indicator, enabling physicians to take immediate proactive steps to improve patient care;
3. helps physicians standardize their data entry to improve the quality of patient data in their EMR;
4. allows physicians to trend and compare their indicator metrics with other physicians using the Dashboard;
5. would scale provincially to all Ontario physicians using an OntarioMD-certified EMR, and is easily expanded with new and evolving data quality, practice and clinical indicators.

Benefits Identified

OntarioMD published a Benefits Evaluation following the completion of phase 1. It considered qualitative and quantitative input provided by participating physicians to analyze the OntarioMD EMR Physician Dashboard framework's ability to improve clinical outcomes and practice efficiencies. Some of the key benefits identified include:



of physicians rated OntarioMD change management processes effective in addressing their EMR Dashboard questions and concerns.



of participating physicians recognized value in the dashboard through improved patient outcomes and identifying patients of interest, supporting practice needs and data quality improvements, access to real-time data and patient lists that are actionable.



of physicians used the electronic opt-in feature to share metrics with OntarioMD and other participating physicians to access the trend/compare functionality.

Ease of use: Dashboard-connected physicians can quickly and clearly see health trends among their patient population, and generate real-time patient lists they can act on to improve patient care. This ease of use is essential for clinicians in a busy practice to realize the full clinical value of the technology.

Patient care: Physicians using the Dashboard reported increased review of preventive care and screening information, which led to improvements in the follow-up process for patients of interest.

Trend and compare: Physicians using the Dashboard can opt in to share their indicator metrics for trending and comparing with other participating physicians. No personal health information (PHI) is included. With aggregated, high-quality indicator metric data, health trends and outcomes can be better measured and acted upon by physicians across communities – making the system as a whole more efficient.

Scalability: Phase 1 helped demonstrate that the EMR Physician Dashboard framework can be used by physicians across Ontario, regardless of the OntarioMD-certified EMR they're using. This means primary care providers across the province can take advantage of this important technology.

Access to Data: By integrating with existing EMR technology, the Dashboard reveals clinically relevant views of well-known primary care indicators using patient data already present in EMRs rather than requiring the data to migrate to external analytics tools. Physicians get the full power of their patient data, while maintaining full control over the PHI in their EMR.

[Read the Benefits Evaluation at ontariomd.ca.](#)

Dashboard at a Glance: An Example

Indicator shows two patient outcomes: Patients with diabetes who have had two or more HbA1c tests within the past 12 months (purple) and those who have not (blue).

Click on a relevant pie slice or other graphic element to view a drill-down list of patients requiring follow-up.

Diabetes with HbA1c Testing

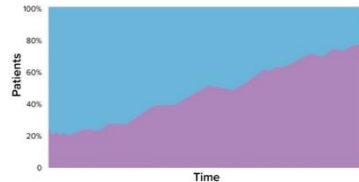


Patient Name	CPP Dx	Code Value	2 or more tests	A1c Test #1	A1c Test #2
Ken Cook	Diab		N	May 2013	
Sonia Ramirez	DM	250	N		
Bill Jones	Db		N	Feb 2014	
Ted Davis			N		
Jessica Lee	DM	44054006	N	Feb 2015	Aug 2014
Jack Miller	Dm		N	Jan 2015	
Cathy Smith	Diab	E11.9	N		

Select one or more patients from drill-down list to perform an action:

- Edit CPP diagnosis field to standardize coding;
- Generate a task, alert, message or some other type of EMR communication for follow-up activity;
- Print a patient letter.

Trend and compare view of indicator metrics



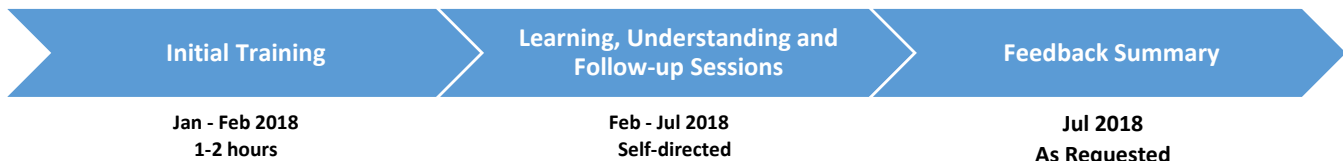
Over 100 physicians across Ontario, and in different practice models (i.e. FHT, FHO/FHG, Solo, and Specialist-Rheumatology), participated in phase 1 of the EMR Physician Dashboard Proof of Concept to demonstrate the viability of a provincial framework. The framework included a set of introductory indicators (e.g., diabetes, cancer screening, immunizations) that were identified by an advisory group of physicians and representatives from provincial and pan-Canadian organizations (Health Quality Ontario, Association of Family Health Teams of Ontario, and Canadian Institute for Health Information) to best address physicians' needs.

Next Steps

Phase 2 of the EMR Physician Dashboard Proof of Concept will continue to demonstrate scalability concepts with up to 400 additional physicians. The goals of this phase are to further identify and refine dashboard indicators, deploy to more physicians across all Local Health Integration Networks, and define a business plan for a provincial EMR Physician Dashboard solution.

We are seeking physician participation in phase 2, which runs from October 2017 to July 2018.

Participating physicians will receive training and support, and will have full use of the dashboard functionality. Your participation and feedback will help inform broader provincial planning. Please contact us for more information on how to participate.



Contact

For more information on OntarioMD's EMR Physician Dashboard initiative, email EMRdashboard@ontariomd.com.

OntarioMD Inc.

150 Bloor St. West, Suite 900,
 Toronto, Ontario M5S 3C1
 Phone: 416.623.1248 | Toll-free: 1.866.339.1233
 Fax: 416.623.1249 | Email: info@ontariomd.com
 Web: www.ontariomd.ca | Twitter: [@OntarioEMRs](https://twitter.com/OntarioEMRs)