



Epic Collaborative

Epic Collaborative Update

March 5, 2024



The Epic Collaborative's Vision

All Epic sites across Ontario have come together to form the Epic Collaborative Working Group and initiated the "EpicHarmony" project.



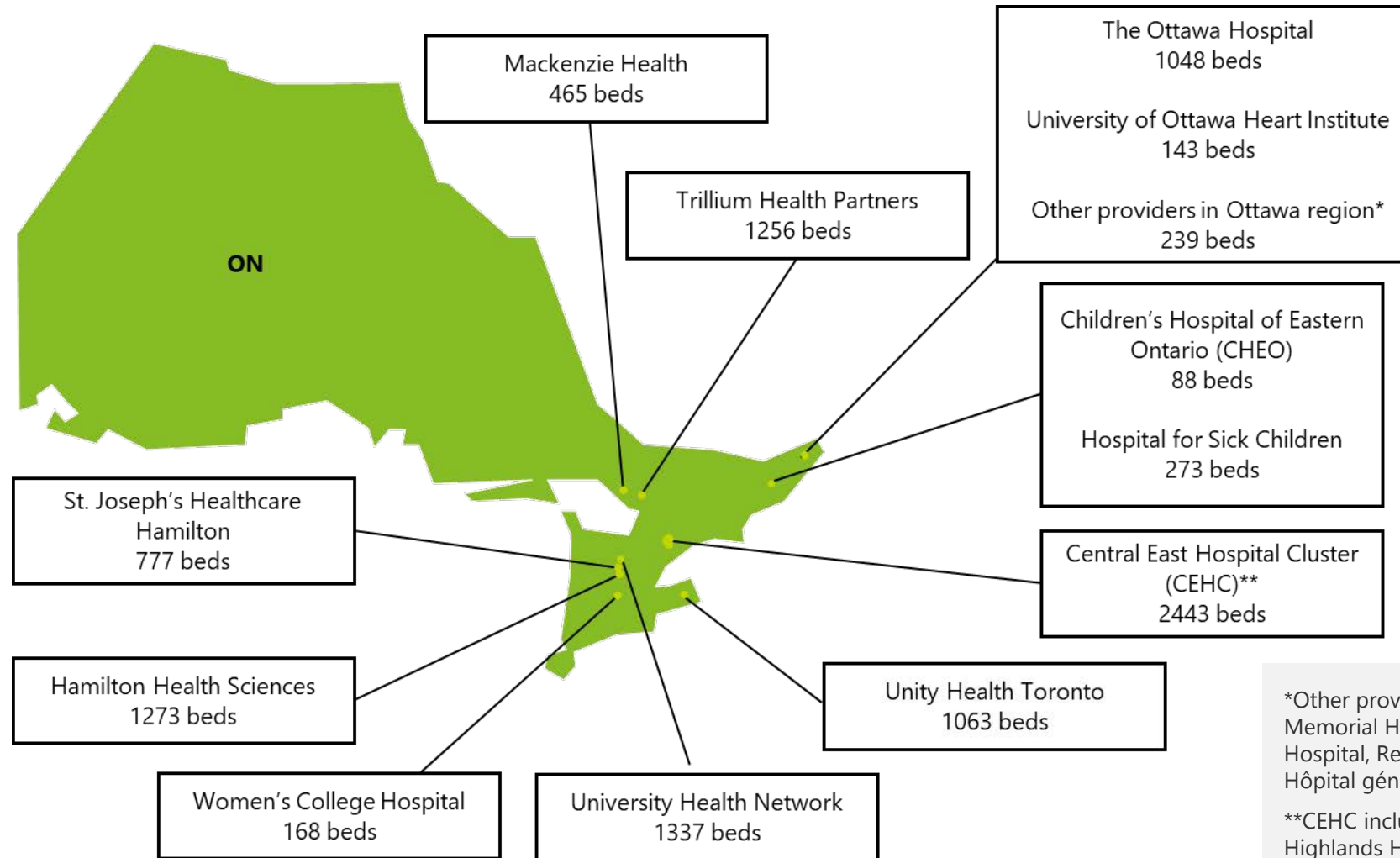
Shared Vision
 Accelerate the delivery of integrated care to patients across Ontario through a shared investment in interoperability, clinical and technical standards in alignment with provincial direction.

 Campbellford Memorial Hospital	 Children's Hospital of Eastern Ontario	 Deep River District Hospital	 Group Health Centre	 Hamilton Health Sciences
 Haliburton Highlands Health Services	 Hawkesbury and District General Hospital	 Kemptonville District Hospital	 Lakeridge Health Ajax Pickering Hospital	 Mackenzie Health
 Northumberland Hills Hospital	 Peterborough Regional Health Centre	 The Ottawa Hospital	 Royal Victoria Regional Health Centre	 Ross Memorial Hospital
 St. Francis Memorial Hospital	 St. Joseph's Healthcare Hamilton	 Scarborough Health Network	 The Hospital for Sick Children	 Trillium Health Partners
 Unity Health	 University Health Network	 University of Ottawa Heart Institute	 Winchester District Memorial Hospital	 Women's College Hospital

Investment in the Epic Collaborative & the EpicHarmony project will provide value beyond Epic sites, including other hospitals and OHT partners.

Epic Instances Across Ontario

Epic instances implemented across sites in the Ontario region accounts for ~10K beds which is ~33% of total bed numbers in the Ontario region.

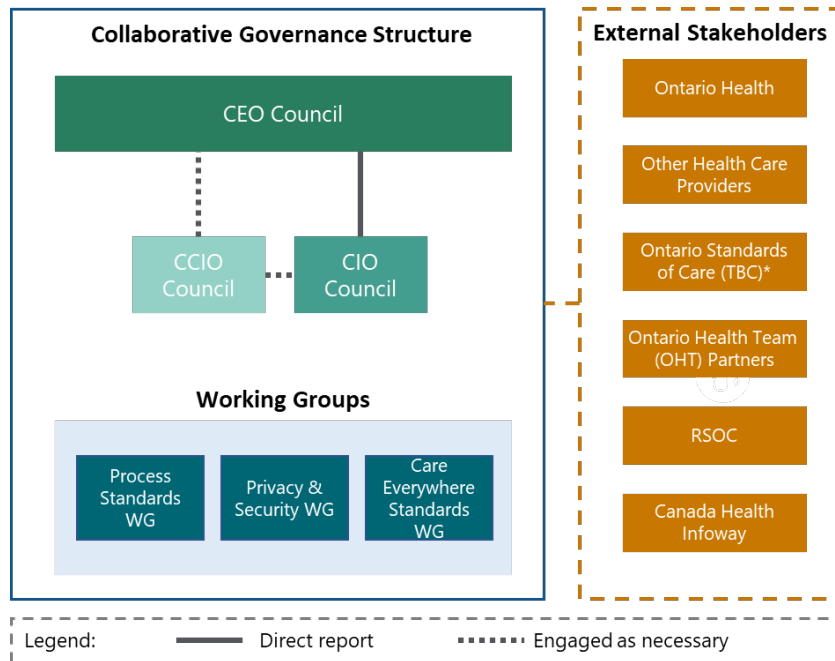


*Other providers in Ottawa region include Winchester District Memorial Hospital, Kemptville District Hospital, St. Francis Memorial Hospital, Renfrew Victoria Hospital, Deep River and District Hospital, Hôpital général de Hawkesbury & District General Hospital

**CEHC includes Campbellford Memorial Hospital, Haliburton Highlands Health Services, Lakeridge Health, Northumberland Hills Hospital, Peterborough Regional Health Centre, Ross Memorial Hospital, Scarborough Health Network

Epic Collaborative Governance Structure

High-level overview of the current governance structure for the Epic Collaborative. Each group represented is comprised of individuals of appropriate seniority & expertise across the Epic organizations.



Executive Councils

- The **Chief Executive Officer (CEO) Council** offers guidance and ensure the vision of the Collaborative is being realized.
- The **Chief Information Office (CIO) Council** owns and leads deliverables with support from the Working Groups (WGs) & the Program Management Office as needed.
- The **Chief Clinical Information Officer (CCIO) Council** supports the CIO Council on project deliverables offering expertise & guidance on impact to clinical delivery and care including both the medical & nursing perspectives.

Supporting Units

- The **Working Groups (WGs)**, comprised of leads and Subject Matter Experts (SMEs) from across the nine organizations, offers practical and technical expertise to the CIO and CCIO Council members as required. WGs are defined & activated by the CIO Council as & when needed
- **The Program Management Office (PMO)** works alongside the CIO & CCIO Councils and Working Groups to ensure agreed upon milestones are met in a timely manner and that adequate resources are available for the continued success of the Collaborative.

Epic Collaborative – Key Successes

The Epic Collaborative has demonstrated productivity in successfully executing TPA initiatives since 2021.

MOH/OH Funding Investment

FY21/22	\$2,000,000 CAD
FY22/23	\$2,148,000 CAD



All Epic hospitals are connected and sharing patient EHR information via Standardize Care Everywhere, resulting in **over 13 million records being shared/exchanged between hospitals.**



Bi-direction peer-to-peer connections completed between Epic and 2 regional (non-Epic) partners:

- KHA (CHEO and Sick Kids) & Holland Bloorview Kids Rehabilitation Hospital (non-Epic partner), **over 12k records exchanged**
- The Ottawa Hospital & Queen's Carleton Hospital (non-Epic partner), **over 590k records exchanged**



A Cross – Collaborative initiative was established in conjunction with the Meditech and Cerner Collaborative to focus on Mental Health and Addiction patients, in alignment with Ontario Health strategic priorities, and sharing clinical information between hospitals



The Ocean e-Referral integration with Epic Collaborative hospitals has been established



OLIS integration with Epic Collaborative hospitals has been established using FHIR standard



An **Education Series that invests in new (and existing) physician builders** to transfer practical skills necessary to utilize system capabilities for builds has been completed

Epic Collaborative – FY23 Ongoing Initiatives

The Collaborative is continuing its momentum in the 2023/24 TPA cycle, by undertaking initiatives that will provide value to Epic sites and beyond.

MOH/OH Funding Investment

FY23/24	\$500,000 CAD
Tri-Collab	\$2,000,000 CAD

FY23 initiatives in-flight



Epic Cosmos Risk-Assessment. Cosmos is a dataset composed of billions of clinical data points that allows clinicians easy access to clinical data to **drive evidence-based research and individualize patient care**. Risk assessment will determine the level of risk of re-identification of data contributed from Epic sites to the Cosmos



The ARCH Collaborative, KLAS survey. A unified survey deployed at all Epic Ontario sites to **measure clinical end-user EHR satisfaction**, will be completed for all sites before the end of Q4. Epic sites will share best practices and learn lessons across organizations that can be used to improve user experiences for EHR



DHDR integration. The Digital Health Drug Repository (DHDR) project will enable **secure access to patient's drug and pharmacy service information** and improve services provided to patients. The collaborative is working with OH to implement a single integration through CEHC to enable contribution on the DHDR by FY23 fiscal year end (Phase 1), and in parallel, define a common integration platform for all Epic sites (Phase 2)



CCIO Clinical Working Groups on Policy and Diabetes Management were created to support **knowledge sharing across several organizations** with different maturity levels of epic implementation. During ongoing touchpoints, organization learn how to manage and mitigate similar workflow processes issues that may have been encountered



A Cross – Collaborative initiative focused on the sharing of data across Hospital Information Systems (HIS) in Ontario to support clinicians in the provision of care has kicked off with three workstreams focused on defining data governance, standardization of data elements and redirection of point-to-point connections

Funded through separate initiative. See next slide for overview of the Cross-Collaborative Initiative

On the Horizon for the Epic Collaborative

Upcoming focus areas for the Collaborative in FY 24/25 builds on current initiatives and trends to enable sustained interoperability and standardization across HISs.

Initiatives In-Planning (Potential FY24/25 Initiatives)

Integration/ Standardization

- **DHDR / CMRO project** (all sites): Phase 2 DHDR integration, using a common platform to for all Epic sites for integration with the DHDR
- **OLIS e-ordering**: Laboratory service e-ordering to be integrated into Epic
- **acCDR specification upgrade** (HL7 v2.6): Upgrade the acCDR input spec v. 2.6 according to Ontario eHealth Standards
- **Primary Care integration**: Epic integration with primary care to enhance OHT integration and standardization

Enhancing Utility

- **Epic Cosmos pilot implementation and scale**: Following risk assessment completed in FY23, implement data contribution and consumption on the Cosmos for pilot site (TOH), learn lessons and scale to other Epic sites
- **Efficiency/Effectiveness enhancements** to the Epic instances in support of the HHR/Financial challenges
- **Nebula roadmap**: Roadmap for implementation of Nebula, Epic's cloud based managed services offering

Knowledge Sharing and Benefits Optimization

- **Ontario Expert General Meeting "XGM"**: Forum across Epic sites in Ontario to share lessons learned and adopt best practices for implementation