

Creating value through data democratization

Presentation to Telfer PhD Seminar

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October 6, 2025

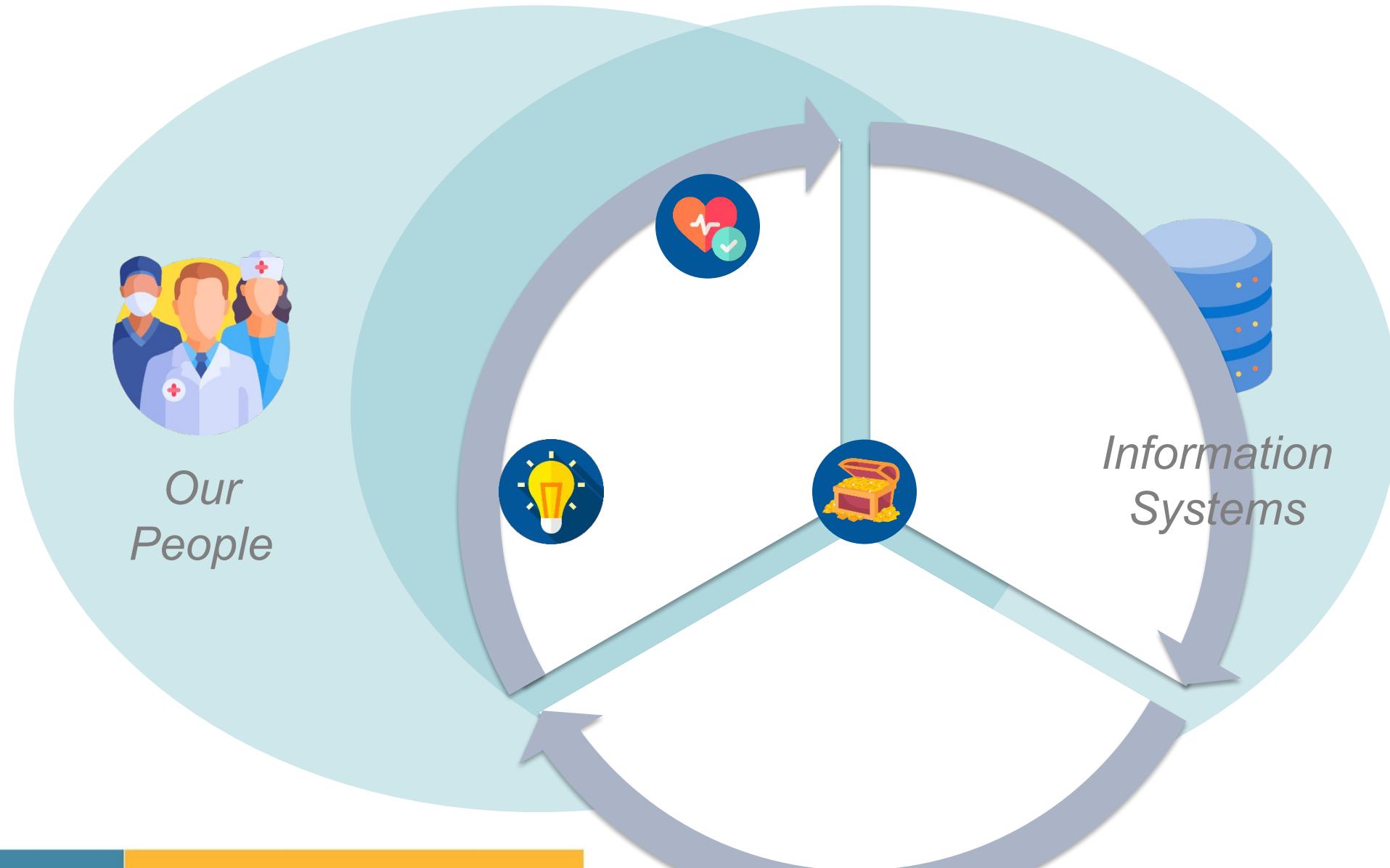


The Ottawa
Hospital

L'Hôpital
d'Ottawa

Inspired by research. **Inspiré** par recherche.
Driven by compassion. **Guidé** par la compassion.

Why Data Matters: The Learning Health System



WE ARE

RESHAPING

THE FUTURE OF HEALTHCARE

WE ARE

the people who care for you and are there for you, whenever you need us.

WE ARE

your neighbours, your family, your friends.

OUR VISION

is to provide each patient with the world-class care, exceptional service, and compassion we would want for our loved ones.

In the coming years, The Ottawa Hospital will help reshape the future of health care to reflect 21st century needs and innovations, looking beyond 'the patient in the hospital' to also support 'the person in the community.'

WE WILL



ENRICH

the Quality of Care for Patients

We will help grow a healthy system based on integrated care for patients across our network of health and social partners.



NURTURE

Our Social Responsibility

Everything we do in health care is engrained in a profound social responsibility to our community. We will provide leadership in navigating a complex health system to improve the health of our diverse population and contribute to a healthier planet for all.



IGNITE

the Power of People

We will foster an environment that inspires people, so they are filled with pride, affinity, and accomplishment at work.



ACCELERATE

Discovery

Pursue impactful, cutting-edge research to pioneer new treatments and tools that benefit patients and elevate further our leadership role in research and education globally.

The Challenge

- High demand for data
- Small team of skilled people
- Privacy & REB approvals



TOH Analytics Team



Who we are

30 people, supporting:

- Decision support & consulting
- DW/BI solutions & Epic reporting
- Data literacy & data governance

Our Goal

To enhance patient care by leveraging data to support quality, research, and innovation.

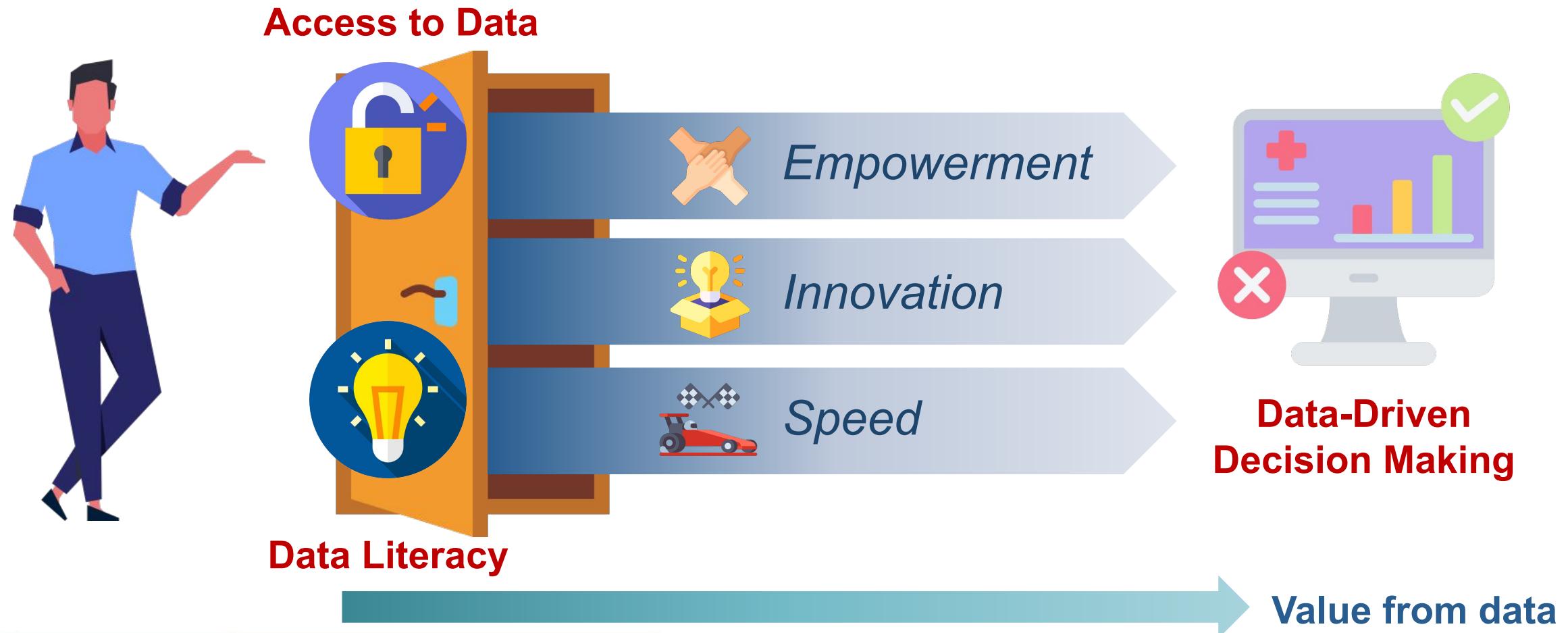
Our Strategy

Democratize data for improved accessibility & faster time to insight

Align our efforts with operational objectives for maximum impact.

Data Democratization Strategy

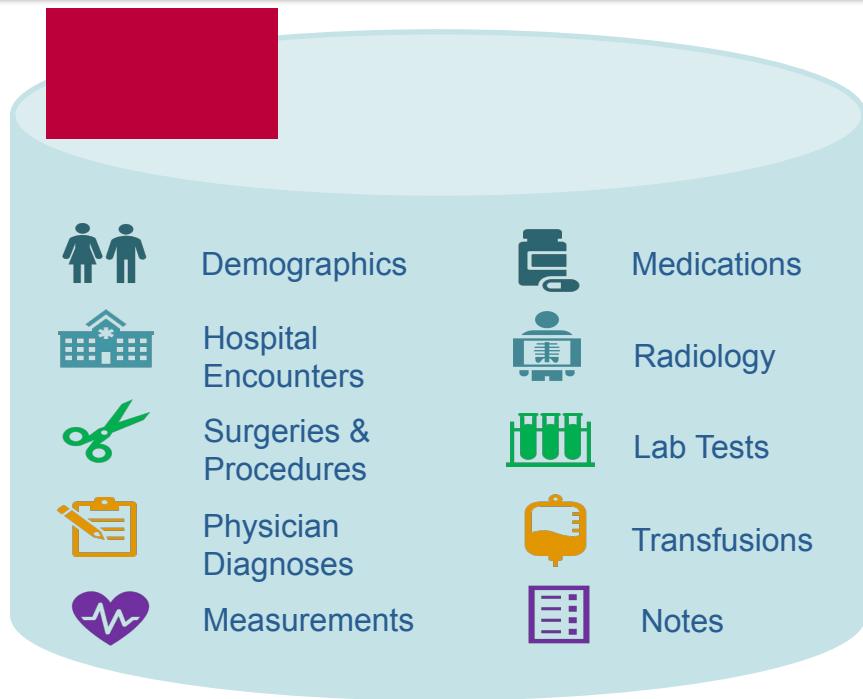
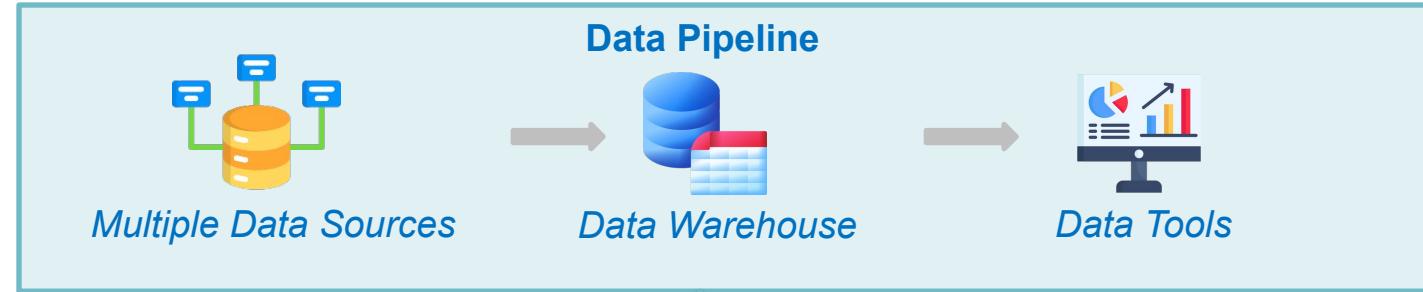
Moving away from data wrangling to **building data literacy** with **self-service tools**



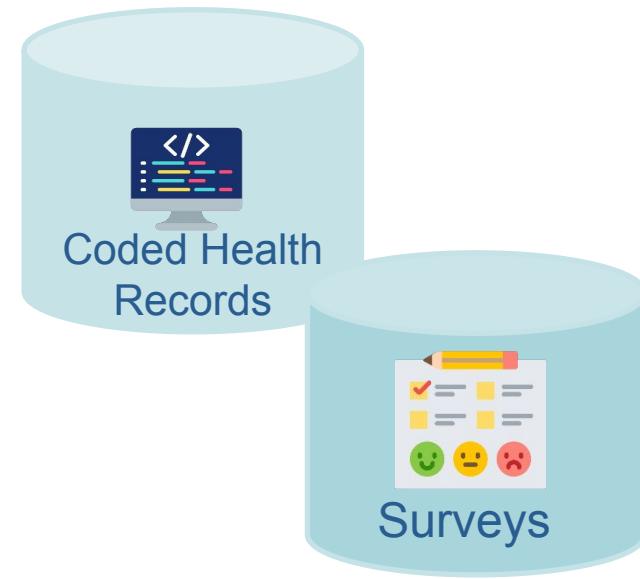
Program Support Strategy



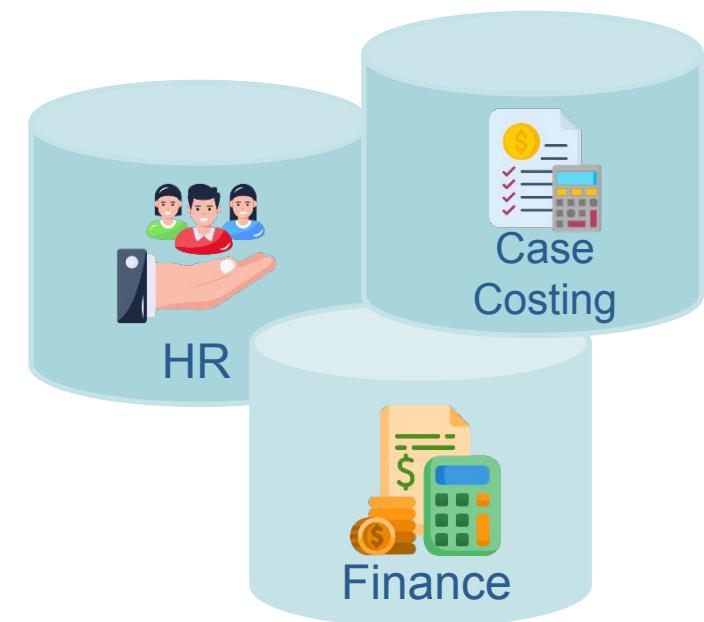
Where does the Data Come From?



Clinical Information



Experience & Outcomes



Administrative & Operations

Role-based uses & tools

Executives & Leaders



Dashboards & KPIs



Guide Strategy & Planning
Track Performance
Monitor Quality and Safety

Staff & Providers



Detailed Lists



Reporting Workbench

Patient Care
Coordinate Access & Flow
Daily Operations



Custom data request
(if no self-serve option)

QI, Research, Innovation



Data Exploration



Identify Improvement Opportunities
Measure Outcomes
Advance Research & discovery

Epic Cosmos

Cosmos is a dataset created in collaboration with a community of health systems using Epic and is designed to improve patient care. By combining their data, participating organizations and Epic can make new discoveries and advance medicine. Cosmos also powers tools at the point of care, providing insights to clinicians that are tailored to the patient in front of them.



1,762
Hospitals



300 Million
Patients



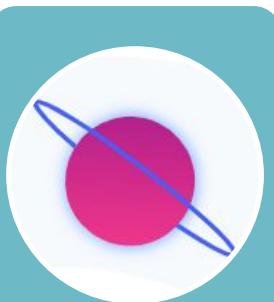
40.7K
Clinics



TOH is the 1st!

Explore more studies and data insights from Cosmos

on  **Epic Research** →



Big Data
Research



Look-Alike
s



Condition-
Specific
Growth
Charts



Best Care
Choices

← Improve the health and lives of people everywhere →

How Do We Protect Data?



TOH Policies



Role-based
access controls &
audits



Data Governance
Committees



Onboarding &
Annual Training



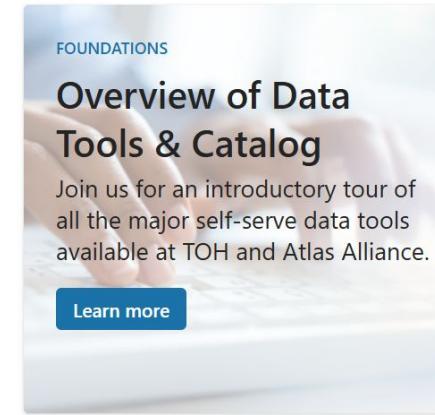
Work with Privacy,
Legal, Research
Ethics



Data Literacy

Data Literacy Program

- Provides training to staff, physicians, researchers and learners
- Education courses cover data foundations, tool training for beginner and advanced users, and extended learning



56
Events

1850+
Attendees

Data Consultations

250/yr

33%
through app

4.9 / 5
Satisfaction

- Provides one-on-one support to staff, physicians, researchers and learners
- Helps enable us to collaborate with people inside and outside Digital Solutions to support their data and reporting needs

SELECT A SERVICE

Ask us anything

Need help? If you aren't sure where to get ... [Read more](#)
15 minutes 

Epic Report Support

Reserve some time with us to ask your Epic ... [Read more](#)
30 minutes 

MDClone Support

Reserve some time with us to ask your MD... [Read more](#)
1 hour 

Power BI Support

Looking for Power BI help? This session allo... [Read more](#)
30 minutes 

SlicerDicer Support

Reserve some time with us to ask your Slice... [Read more](#)
30 minutes 

Survey Support

Grab some time to ask us your survey and s... [Read more](#)
30 minutes 

Appointment with an Analyst

If you already know who you need to conn... [Read more](#)
30 minutes 

Appointment with an Analyst

If you already know who you need to conn... [Read more](#)
1 hour 



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SELF-SERVE DATA PROJECTS



Research & Quality Improvement Projects



Antiseizure Meds in
Pregnant Patients



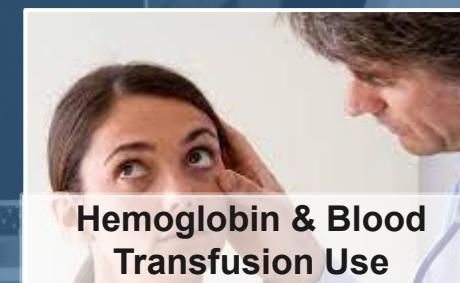
Inappropriate use of
restraints



Cancer-associated PE
in Outpatient



Launch Renal Stone
Clinic in Ottawa



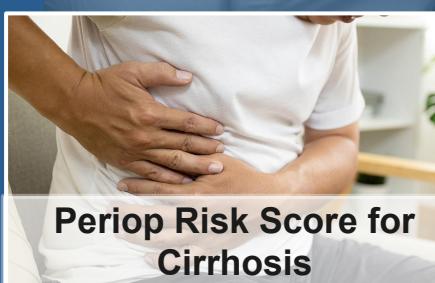
Hemoglobin & Blood
Transfusion Use



Virtual Limb
Preservation Clinic



Quality & Equity for
Sickle Cell Patients



Periop Risk Score for
Cirrhosis



Covid-19 related Death
at Ottawa Hospital



Infections after elective
Spinal Surgery



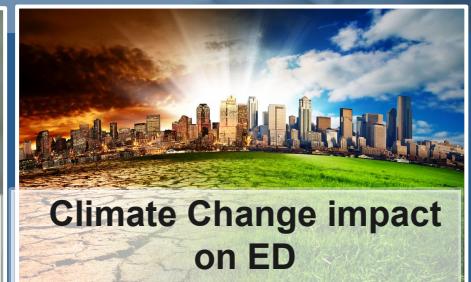
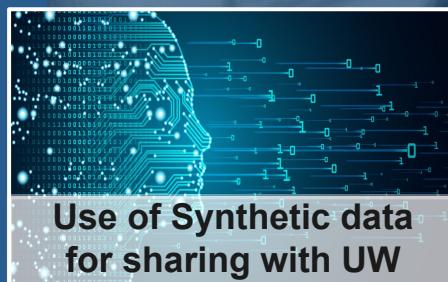
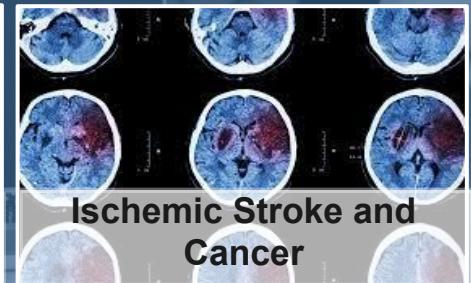
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SELF-SERVE DATA PROJECTS



3rd Party Collaborations



**Thank you!
Questions?**