

Urban Telehealth – Making it Work

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Preamble: Remote and Local Telehealth Videoconferencing

- Canada Well developed Telehealth Programs for rural and remote locations
- Local (Urban) Telehealth comparatively under developed
- Underserved urban populations



http://www.map-of-canada.org/canada-map-742.jpg



Presentation Overview

Definition of Urban Telehealth
Geographical and Hospital Settings
Examples of Urban Telehealth Initiatives
High Patient Volume Initiatives
Benefits of Urban Telehealth



Presentation Objectives

- Understanding the term 'Urban Telehealth'
- Awareness of opportunities for Urban Telehealth usage
- Appreciation of the benefits of Urban Telehealth
- Encourage experimentation in the use of Urban Telehealth



Urban Telehealth

The use of videoconferencing technology for the synchronous delivery of healthcare and clinical information within a community



Hospital and Geographical Settings for Urban Telehealth Initiatives



University Health Network (UHN)



Toronto General Hospital (TGH)



Toronto Western Hospital (TWH)

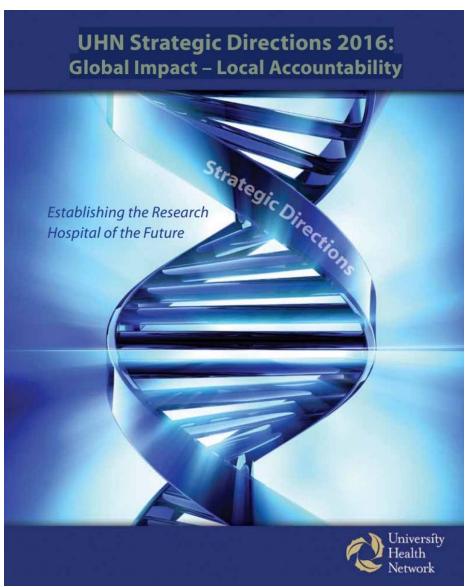


Princess Margaret Cancer Centre (PMH)



Toronto
Rehabilitation
(multi-site)







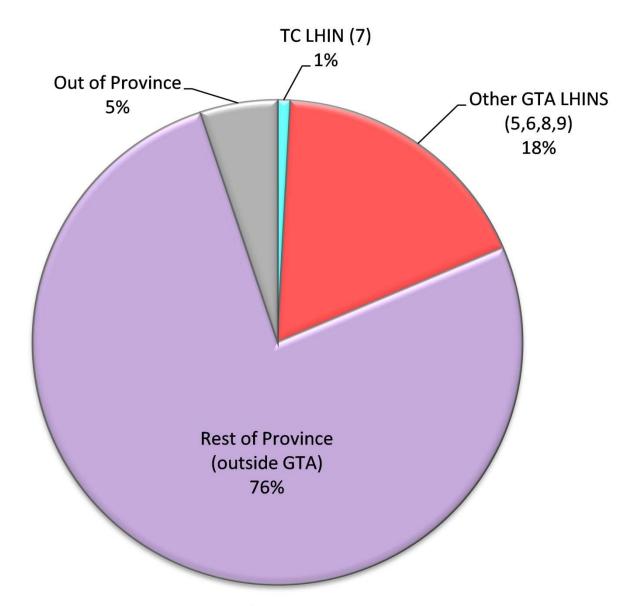
The Greater Toronto Area (GTA)



https://www.ic.gc.ca/eic/site/smt-gst.nsf/vwimages/6094-img1.jpg/\$file/6094-img1.jpg



Telehealth Videoconference Site Patient Origin*



^{*}Based on videoconference site patient attended/ FY 2014-15 Clinical Telehealth Consultations

Urban Telehealth Initiatives



Hepatology

- Post Liver Transplant
- Toronto General Hospital (TGH)
 St. John's Rehab. Hospital (SJRH)
- 4 − 6 Week Stay
- Typically Weekly Follow Up
- Diagnostic tests done at <u>SJRH</u>
- Cost savings (ambulance) and more rehabilitation time

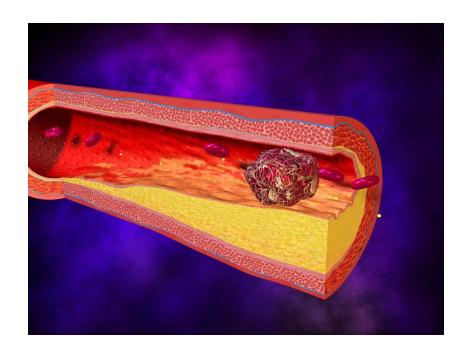


http://www.utmedicalgroup.com/Medicine/Hepatology/



Thrombosis

- Anticoagulation –
 Deep Venous
 Thrombosis
- TGH Various GTA Hospitals
- Typically one time appointments
- Saves transport costs, facilitates education and mentoring



http://2.bp.blogspot.com/-sH_VNBZv65k/UQ1Do6KWOkI/AAAAAAAAAAAAAAaPuESrossig/s1600/thrombosis.jpg



Surgery – Pre-Admission

- Anticoagulant management Reversal
- TGH TWH Surgical Pre-Admission Unit
- One time appointments (NP)
- Diagnostic Tests done at TWH
- Saves intra-UHN transportation, reduces fatigue and pain



Electrophysiology

- Pacemaker management
- TGH Womens'
 College Hospital ICD
 Clinic (NP led)
- Unscheduled
- Testing done at WCH
- Increases physician efficiency by reducing their travel between hospitals



http://www.amc.edu/patient/services/cardiology/electrophysiolog y/images/heart-ekg.jpg



Toronto CCAC

- Homebound Patients
- UHN Home (RN using laptop)
- Initial consultation and follow-up appointments.
- Diagnostic tests arranged by Toronto CCAC RN
- Provides expert care for patients with severely restricted access to hospital

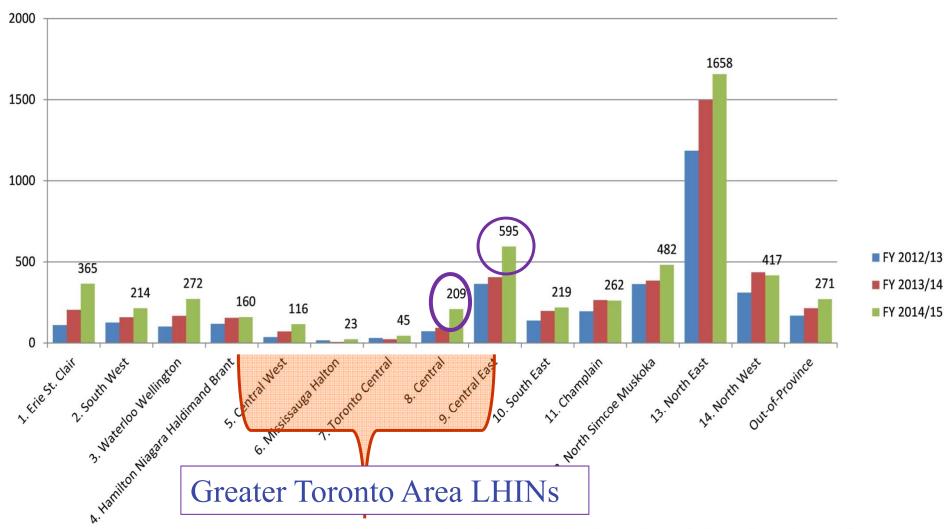




High Patient Volume Clinics



Clinical Telehealth Consultations at UHN by LHIN*



*LHIN shown is based on the location of the videoconference facility endpoint (non-UHN)





Psychiatry

- Cognitive
 Behavioural Therapy
- Weekly Appointments
- Well Established relationship with clinic staff
- Self-Scheduling
- Patients reluctant to travel due to anxiety disorder

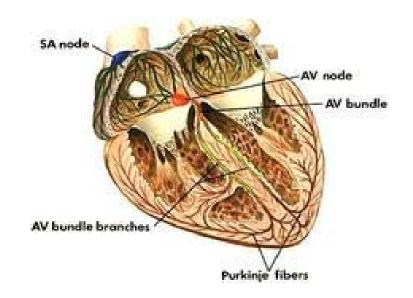




Cardiology

- Pacemaker clinic
- Bi-weekly appts.
- Well established relationship with clinic
- Self-scheduling
- Reduced MD travel time
- Increased # patients





Summary: Benefits of Urban Telehealth

- Inequitable access to healthcare is not solely dependent upon geography
- Support for underserved populations within cities
 - Homebound become virtually mobile
 - Ambulance reliant
 - Reduces costs for client and healthcare system
 - Reduces patient inconvenience and fatigue
- Physician Efficiency
 - Reduced MD travel time for appointments
 - More time for patient consultations



Thank you for your attention



