



# Hospital eHealth Council June 2004 Retreat

## Regional Updates

Diane Beattie: Chair EHR Working Group

St. Andrews Club and Conference Centre

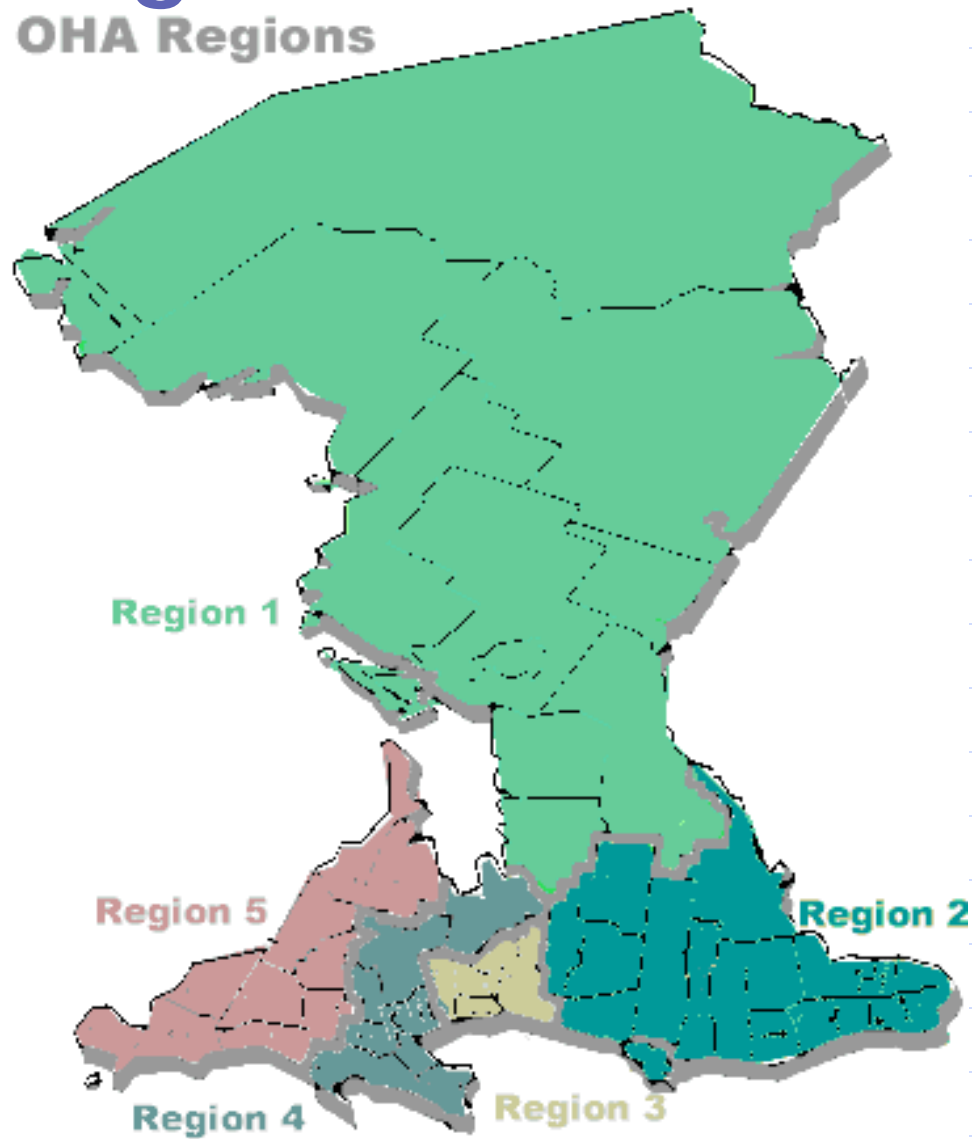
June 21, 2004

# Overview

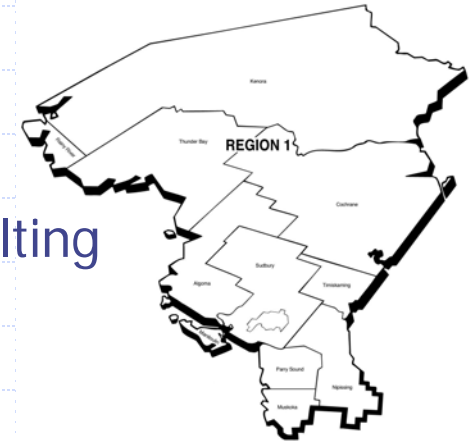
- ◆ Regional Updates
- ◆ Synthesis
- ◆ Critical Success Factors and Key Challenges
- ◆ Opportunities for greater regional collaboration

# OHA Regions 1 - 5

OHA Regions

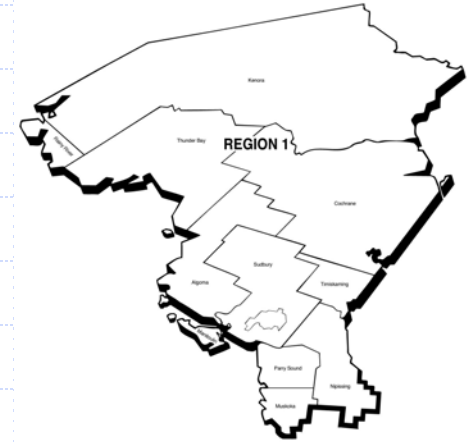


# Region 1: North



- ◆ **ICT Strategic Planning project underway**
  - FedNor funded, carried out by HealthTech Consulting
- ◆ **North Eastern Ontario Network (NEON)**
  - 7 partner corporations – 9 sites
  - Common Health Information Management System
    - ◆ Includes ADT, Generic Order Entry, Hospital Pharmacy & Patient Management System; Hospital and Public Radiology and Labs
  - Sudbury PACS implementation underway (7 hospitals).
    - ◆ Will extend regional coverage to include NORAD (total: 17 hospitals)
    - ◆ Go live planned for end 2004.
  - Cochrane regional lab program. (8 hospitals)
    - ◆ Creating interface between Triple-G and Meditech.
    - ◆ Liaising with OLIS to ensure standards meet requirements.
- ◆ **NORrad**
  - Regional PACS (10 hospitals)
    - ◆ Sudbury and Timmins to join end 2004
    - ◆ NorthBay & District to join mid 2005; Sault area & District to join by end 2005

# Region 1: North *(cont'd)*



## ◆ Northwest Health Network

- North Network
  - ◆ Video consultation
- Northwest Telehealth Network
  - ◆ Teleradiology based on filmless CR technology. eFilm stations located throughout region.
- Regional PACS Implementation
  - ◆ To support Teleradiology initiative and Northern Ontario Medical School Program.
- Common Clinical Information Management System
  - ◆ Meditech platform.
- Regional eHR implementation underway. Funded in part by MoHLTC and FedNor.
  - ◆ Approx \$2 M (MoHLTC / FedNor) received in Jan'04 for regional eHR and expanded PACS implementations.
  - ◆ Phase 1 to be implemented by March 31 '05.

# Region 2: Eastern Ontario



- ◆ Capital Health Alliance (CHA) (*Ottawa*)
  - 14 hospitals (12 community and 2 'hubs' - Ottawa and Queensway Carleton)
  - Regional IT Executive Committee
    - ◆ Project Steering Committee - CEOs, COOs and CHA advisors
  - Regional IT Working Group
    - ◆ Project Advisory Committee –CIOs and IS/IT reps.
  - EMPI
    - ◆ Based on OACIS repository
    - ◆ Preliminary discussions with Kingston for future integration into EMPI
  - Regional Labs (EORLA)
    - ◆ To collaborate with OLIS as testing ground using EMPI
  - Public Health Pandemic Preparation Plan
    - ◆ Ottawa PHU to pilot development of web portal for communication during critical incidents

# Region 3: GTA



REGION 3

- ◆ Toronto Academic Health Science Centres (TAHSC)
  - Regional CIO Working Group established June 2004.
    - ◆ Terms of Reference approved
    - ◆ Approved recruitment of regional CIO
    - ◆ Approved CEO/CIO IT Steering Committee
      - Includes TAHSC institutions, partners and vertical segments (e.g.: Cancer Care Ontario, Paediatrics)
    - ◆ In process of developing regional IT strategy for TAHSC hospitals.

# Region 4: Southwest

## ◆ PACS / Diagnostic Imaging Project

- Entering Phase 2 – Pilot from London / Thames Valley moving to full implementation across Southwest Ontario (SWO) Hospitals (Regions 4 & 5)
- St.Joes' already filmless. 100% adoption and acceptance
  - ◆ Developing Case Studies and Learning Modules (new implementations, agreements etc.) to be used as starter toolkits across the province.



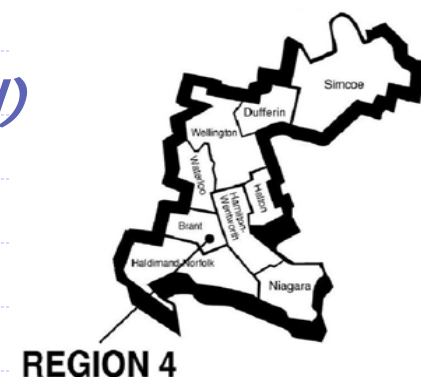
## ◆ EMPI

- Implementing Common Patient Identifier across 8 hospitals in Thames Valley to facilitate PACS project.
- Will expand to cover 28 SWO hospitals

## ◆ eLab Project

- Consolidating lab services across 6 Thames Valley hospitals. 3 hospitals this year, remaining 3 next year.

# Region 4: Southwest *(cont'd)*



## ◆ Other projects

- Regional Privacy and Security Assessments successfully undertaken jointly across region
- EPR project in London hospitals:
  - ◆ In process of becoming paperless over next 18 months
- Southwest Regional Planning Partnership
  - ◆ 28 SWO hospitals engaged in over 30 projects
  - ◆ Developing optimal communications strategy among partners

# Region 5: West



- ◆ **Part of Southwest Regional Planning Partnership**
  - Involved with Phase 2 PACS implementation
- ◆ **Grey Bruce Health Network (7 sites)**
  - Common Health Information Management System
    - ◆ Includes Labs, Pharmacy, ADT, DI, Transcription, and Chart Location. –  
Delivered over wireless WAN.
  - Rolling out to South Grey Bruce Health Network in Fall 2004 (to total 11 hospitals)
  - Other plans for 2004 – health card validation, electronic patient scheduling for DI & physician portal
  - GBHN installed own wireless network due to lack of local fiber
- ◆ **Chatham-Kent Lambton Administrator's Group for IT Planning**
  - Partnering with municipality (Blue Water Health) for web-based electronic patient scheduling system. Funded by Connect Ontario.
  - Going live in fall 2004.
- ◆ **GBHN and CKHA allied with Blue Water Connects**
  - Consortium Business, Gov't, Hospitals and School Boards developing regional WAN.

# Synthesis

Regions	1	2	3	4	5
	North	East	GTA	Southwest	West
Regional Common Patient Identifier / EMPI		✓		✓	
Regional PACS	✓			✓	
Regional Labs	✓	✓		✓	✓
Regional eHR / HIMS	✓			✓	✓
Regional Public Health Strategy		✓			
Regional Privacy / Security Assessments				✓	✓
Regional Leadership Working Groups		✓	✓	✓	✓

# Critical Success Factors

- ◆ ICT understood to be enabling tool for improving patient care
- ◆ Accountability
  - Assessment tool required to measure change
- ◆ Collaboration through regional CEO / CIO IT Committees.
  - Enables rapid decision-making and sign-off.
  - Collaborators are energized by process and progress.
- ◆ Established and effective communication strategies

# Key Challenges

- ◆ Effective sharing of information mitigated by lack of standards and profusion of disparate systems
- ◆ Funding challenges, especially for mid-size, mid-populated areas
  - Average of 2% of global funding is insufficient to meet critical needs
  - Ability to secure other sources of funding is critical
    - ◆ E.g.: FedNor, Infoway
- ◆ Limited ICT Capacity and Capability
  - Need for experience and strong leadership
  - Urban/Rural; North South divide
- ◆ Demographics
  - Shortage of professionals
  - Aging population and increasing demand
- ◆ Connecting the Continuum of Care
  - Need to share information to care providers hospital walls
    - ◆ E.g.: CCACs, Family Physicians, CCO, Paediatric Cardiac Network

# Opportunities for greater regional integration

- ◆ Discussion