

# Circumpolar Health Systems Innovation Team [CircHSIT]

*Provide research evidence to  
enable transformation of primary  
health care in northern remote  
regions of Canada*



Community-Based Primary Care Team Grants

*Progress Report to Nov 2014*

# Partners



Labrador - Grenfell  
**Health**



## YELLOWKNIFE

Health and Social Services Authority  
Serving Dettah, Fort Resolution, Lutsel k'e, Ndilo and Yellowknife



**NUNATSIAVUT**  
kavamanga Government



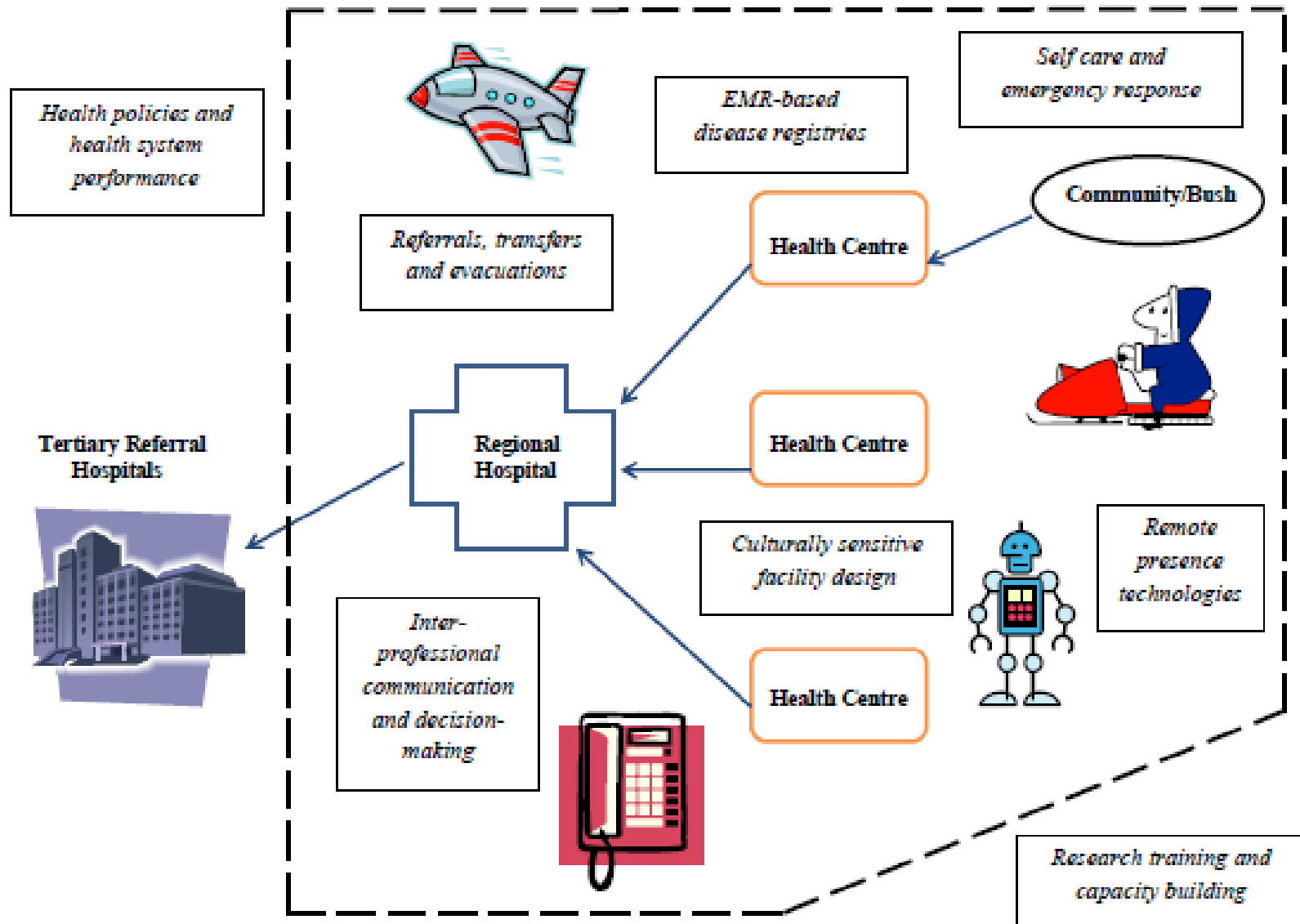
**UNIVERSITY OF ALBERTA**  
SCHOOL OF PUBLIC HEALTH



*McGill*

UNIVERSITY  
OF MANITOBA

## NORTHERN PRIMARY HEALTH CARE SYSTEM



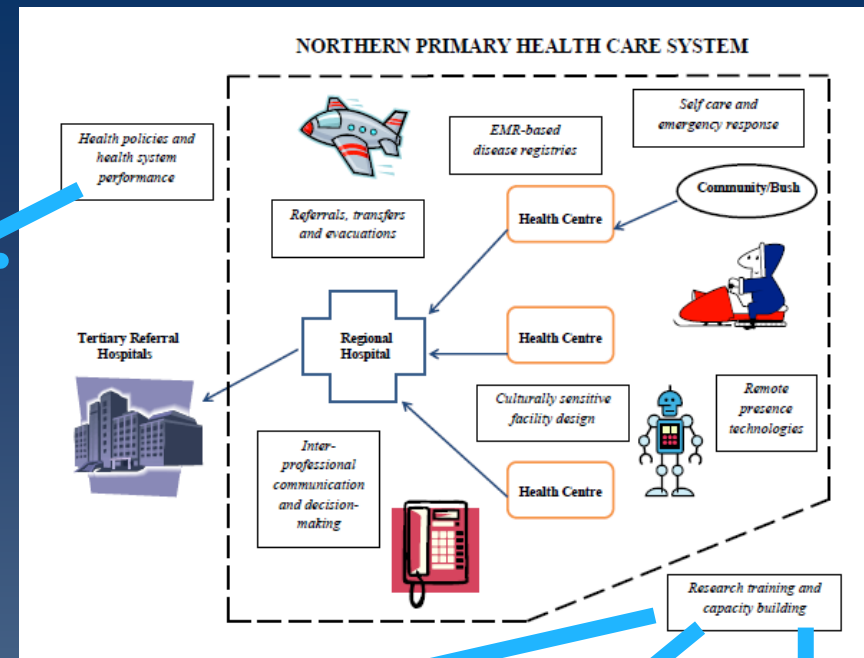
S.Chatwood [ICHR], A.Brown [UTor]

## *Circumpolar comparisons of health system stewardship*

- *Methods* – multiple case study: interviews, workshops, document and policy review
- *Sites* – CA, US, NO, FI
- *Status* – data collection complete; PhD thesis in preparation

## **Graduate students supported:**

- 1 PhD – U Toronto (Health Policy, Management & Evaluation)
- 1 PhD – U Toronto (Anthropology)
- 1 MPH – Vrije U Amsterdam



**Affiliation agreements**  
signed between ICHR and  
schools of public health at  
U of A and U of T

**NWT SPOR network** under development

S.Romain [UTor], K.Young [UAb] *Pharmacy services: cultural, linguistic and professional issues*

- *Methods* –interviews, ethnography, document review
- *Sites* – 3 communities in NU
- *Status* – data collection complete; PhD thesis in preparation

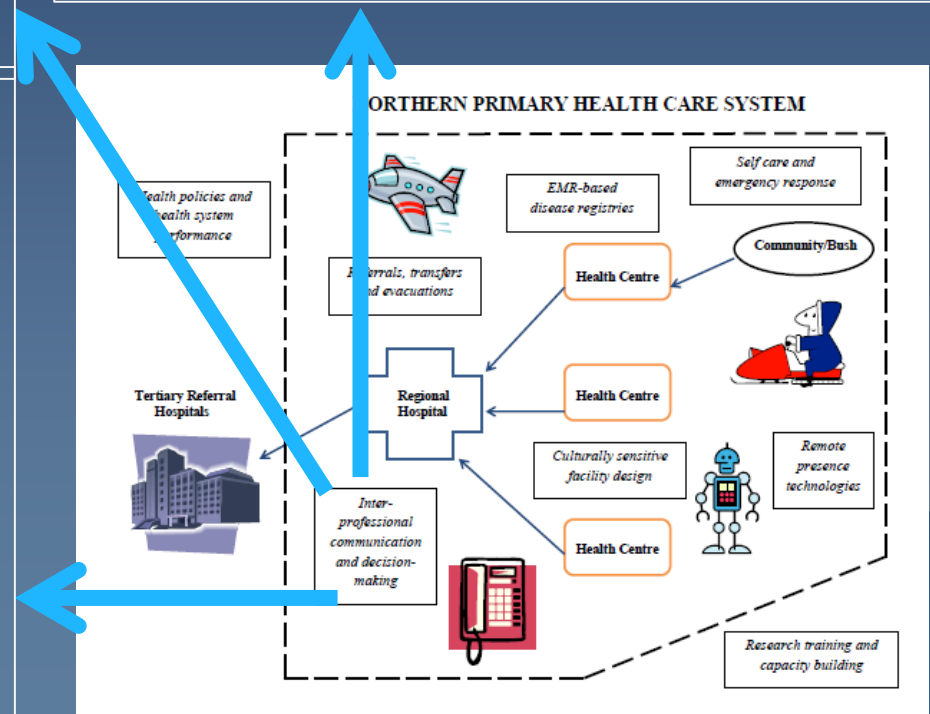
T.Oosterveer [VUAmst], S.Chatwood [ICHR] *PHC accessibility in remote Aboriginal communities*

- *Methods* – interviews of providers and patients
- *Sites* – 2 Dene 1 Inuit communities + 2 regional centres
- *Status* – field work ongoing

J.Lavoie [UMan], G.Healey [QHRC]

*Nurses' views on PHC system*

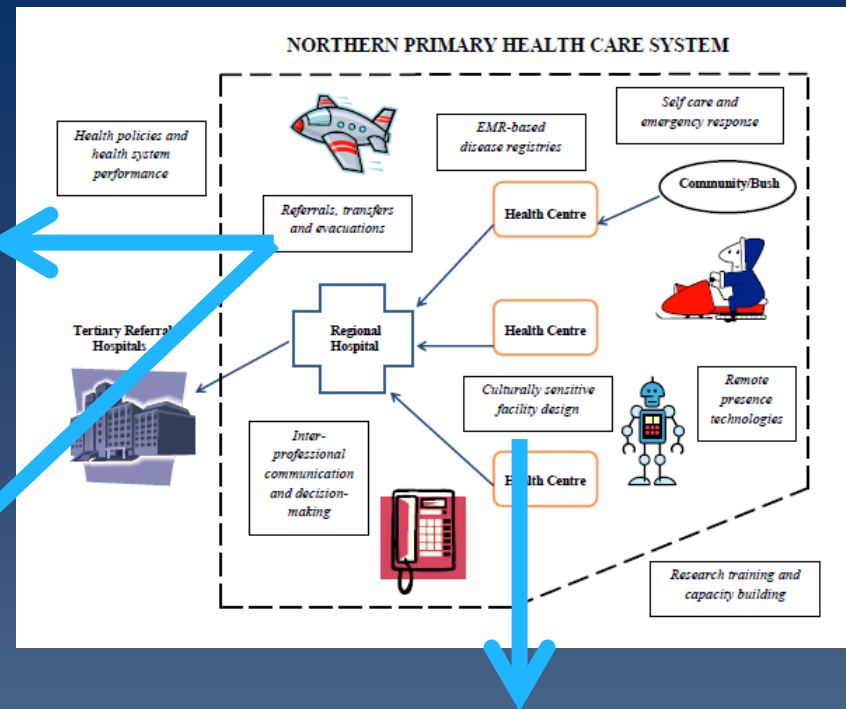
- *Methods* – secondary analyses of interview transcripts collected by S.Wong in 2009
- *Sites* – 9 communities in NU
- *Status* – analysis underway



A.Ohinmaa [UAb], M.White [UTor], G.Healey [QHRC]

*Patterns and economics of aeromedical transportation*

- *Methods* – analyses of travel database, estimates of costs, mapping
- *Sites* – all communities in NU
- *Status* – custom dataset created and released by GN; prelim analyses



K.Young, A.Ohinmaa [UAb]

*Evaluation of new air ambulance coordination system*

- *Methods* – analyses of travel database, provider survey
- *Sites* – 3 communities in NU
- *Status* – negotiating data transfer from GNWT, online survey ready

M.White [UTor], G.Healey [QHRC]

*Cultural and environmental aspects of health centre design*

- Building plans of Nunavut health centres collected and reviewed
- Health care designs among exhibits of "Arctic Adaptation: Nunavut at 15" representing Canada at Venice Biennale of Architecture 2014



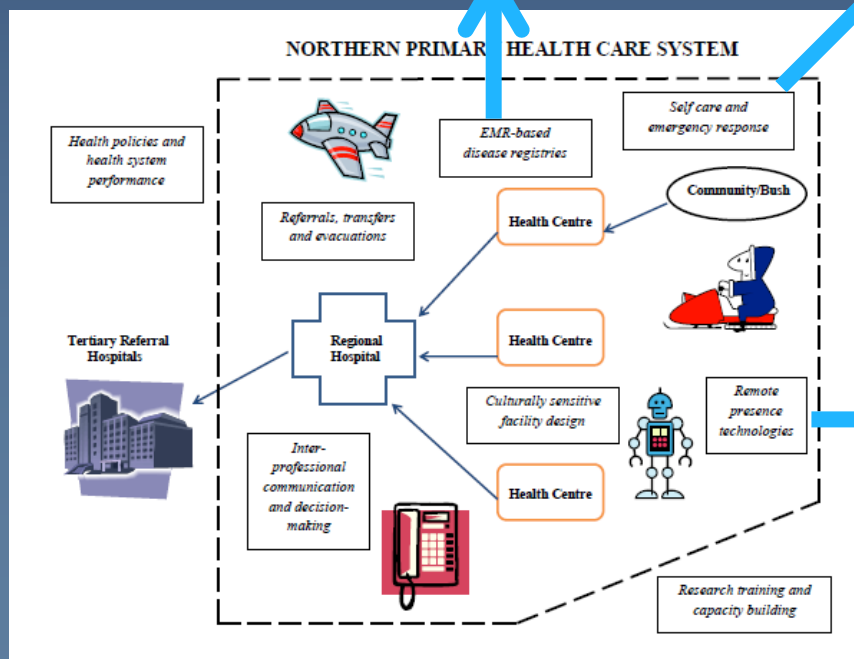
E.Affleck [YKHSSA],  
K.Young [UAb]

*EMR-based monitoring of  
chronic disease management*

- Upload anonymized NWT EMR to CPCSSN
- Develop criteria of quality of care for indicator conditions
- Analyse NWT data in CPCSSN

J.Ford [McGillU], K.Young [UAb] *Land-based emergencies and medical outcomes*

- *Methods* – search of media reports, coroner's database, community informants, health centre records
- *Sites* –NT and NU
- *Status* – regional newspaper archives searched; negotiating data release from NWT coroner



M.Jong [GLRHA/MUN] *Evaluation of robot-facilitated chronic disease management*

- *Methods* – review of clinical records, provider and patient survey
- *Sites* –1 community in Labrador
- *Status* – project initiated, clinical database created

# Future Projects

- ◆ Development of circumpolar health system performance indicators [S.Chatwood]
- ◆ Planning and design of elders' wellness centre [M.White, S.Chatwood]
- ◆ Providers' perspectives on medical travel in high-use vs low-use communities [G.Healey]
- ◆ Community perspectives on emergency response and traditional skills development [J.Ford, S.Chatwood]
- ◆ Determinants of barriers to care in the North using national/regional health surveys – CCHS, APS, First Nations Regional Health Survey [K.Young]