

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

Partners



Labrador - Grenfell
Health



YELLOWKNIFE

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



NUNATSIAVUT
kavamanga Government



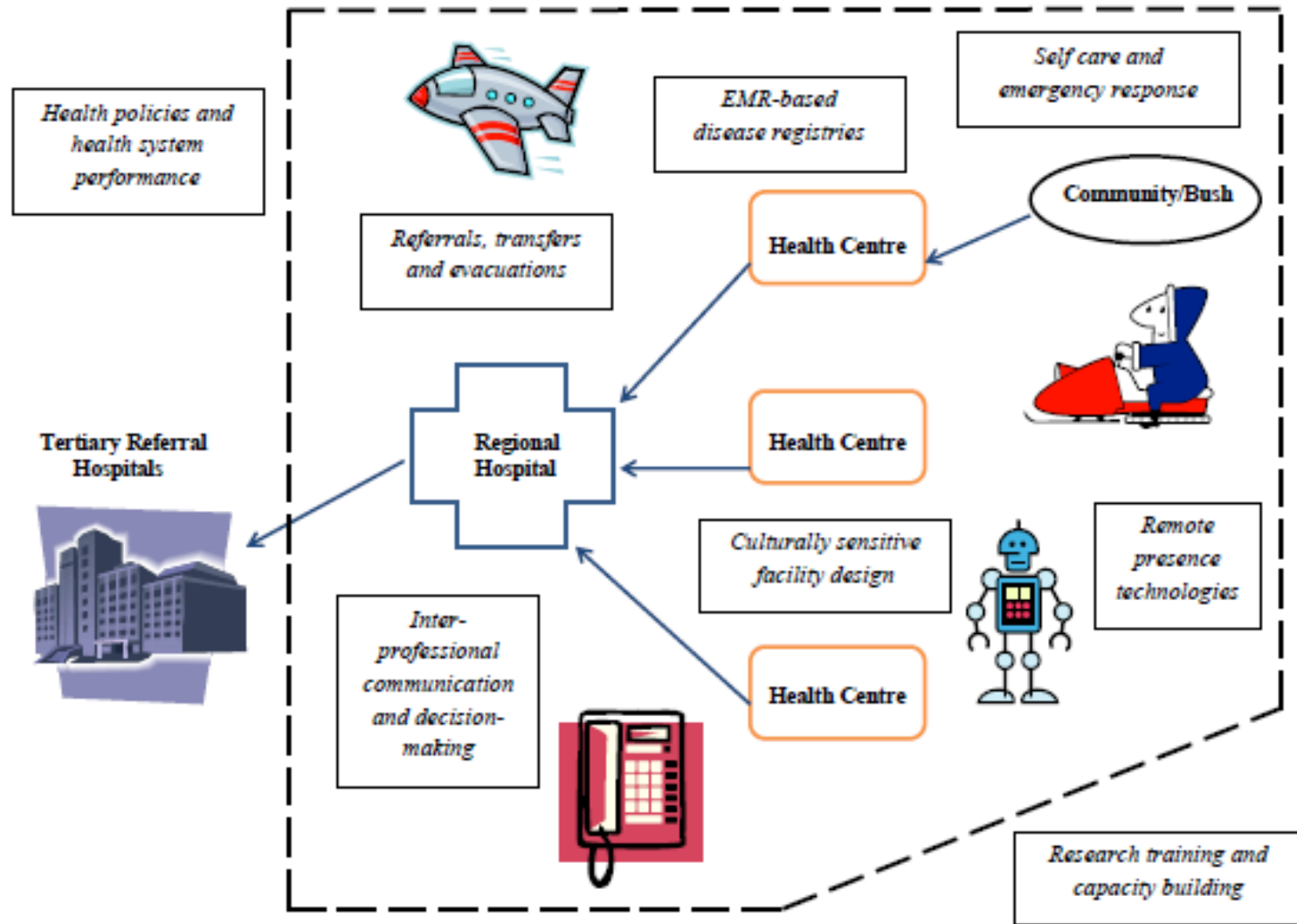
UNIVERSITY OF ALBERTA
SCHOOL OF PUBLIC HEALTH



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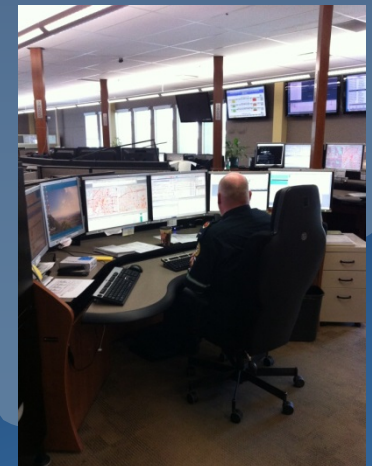
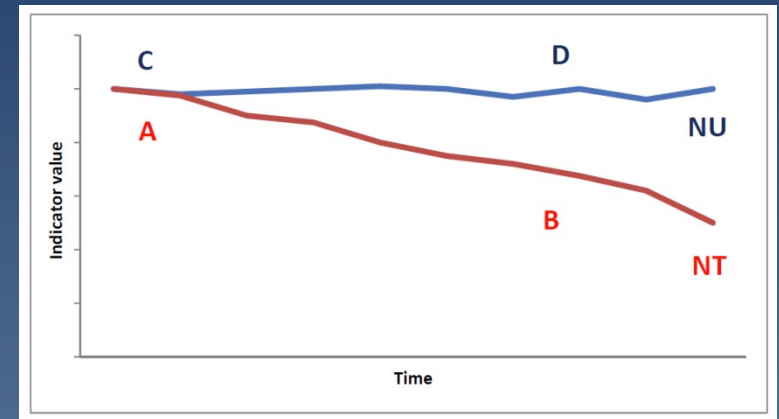
NORTHERN PRIMARY HEALTH CARE SYSTEM



A Natural Experiment

- ◆ NWT will implement *Med Response*
- ◆ Nunavut will not,

- ◆ Air ambulance triage and dispatch management
- ◆ Coordination of referrals between communities <-> regional hospitals in NWT <-> Edmonton
- ◆ Practitioner-to-practitioner remote urgent clinical care support



Research Question

What is the impact of the implementation of *Med Response* on the delivery of primary health care services in NWT?

Focusing on 4 domains of desirable outcomes:



Clinical outcomes

Cost-effectiveness

Provider satisfaction

Community acceptance

Data Source

- ◆ Medical travel database
- ◆ *Med Response* records

Indicators

- ◆ Elapsed time between call and arrival of air ambulance
- ◆ Rates of transfer by carrier and community of origin
- ◆ Ratio of air ambulance to scheduled flights
- ◆ Costs of patient transfer payable to carrier
- ◆ Attributed costs of patient transportation and care

Data Source

- ◆ Review of patient charts at recipient hospitals
- ◆ Provider survey
- ◆ Key informant interviews

Indicators

- ◆ % patients discharged from ER without admission
- ◆ % agreement between pre-transfer and post transfer diagnoses
- ◆ Proportion of respondents reporting improvements
- ◆ Comments, observations, opinions

Data from Nunavut

*Data sharing agreement
signed in January 2014*

We have already received from GN two massive Excel spreadsheets covering 2011/12 [n=36,436 entries] and 2012/13 [n=31,671] containing these fields:

Case ID	Warrant Number	Region
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From	To	Travel Date	Traveler Type ¹	Gender	Age
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Escort Reason	Diagnosis ICD	Trip Type ²	Travel Type ³
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- ¹ patient/escort
- ² one way/round trip
- ³ scheduled/medevac

Payee Name	Invoice Number	Amount less GST & HST	Payment Identifier Code
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