MANITOBA CENTRE FOR HEALTH POLICY

Seeing the big picture of northern health and healthcare of Metis and First Nations people in Manitoba: do healthcare patterns reflect underlying need?

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Arctic Health Workshop: April 17-18, 2013 Aarhus University, Denmark





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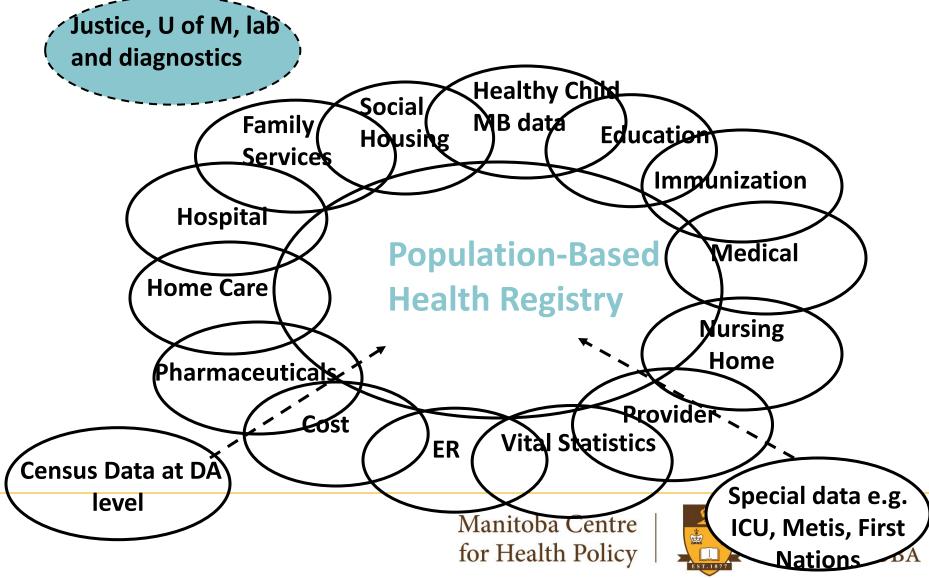
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So what works? ... researchers, decision-makers

- USER INVOLVEMENT FROM START TO FINISH
 - integrated KT
- INTERACTIVE FORUMS
- RELEVANT RESEARCH FOR REGIONS
- EVIDENCE-BASED STORY TELLING potentially leads to EVIDENCE-INFORMED DECISION MAKING

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So what does it take?

To develop collaborative relationships around data stewardship and use, it takes:

- TIME and \$ commitment
- SHARED LANGUAGE
- TRUST
- RELATIONSHIP BUILDING
- "LETTING GO" of traditional roles
- PATIENCE
- UNDERSTANDING

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Profile of Metis Health Status and Healthcare Utilization in Manitoba (2010)

Research Team

Pls: Dr. Patricia J. Martens (MCHP)

Dr. Judith Bartlett (MMF)





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MCHP: Elaine Burland, Heather Prior, Charles Burchill, Shamima Huq, Dan Chateau, Angela Bailly, Linda Romphf

MMF: Dr. Julianne Sanguins, Sheila Carter

Dept' Health contacts: Deborah Malazdrewicz, Rose Neufeld, Marie O'Neil



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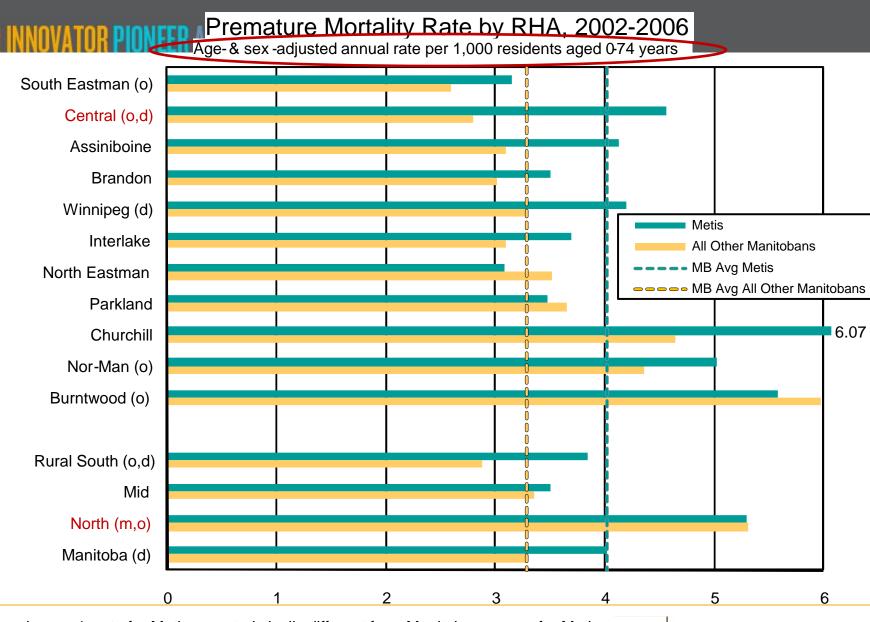


The seven MMF Regions of Manitoba and their overlay with the 11 RHAs

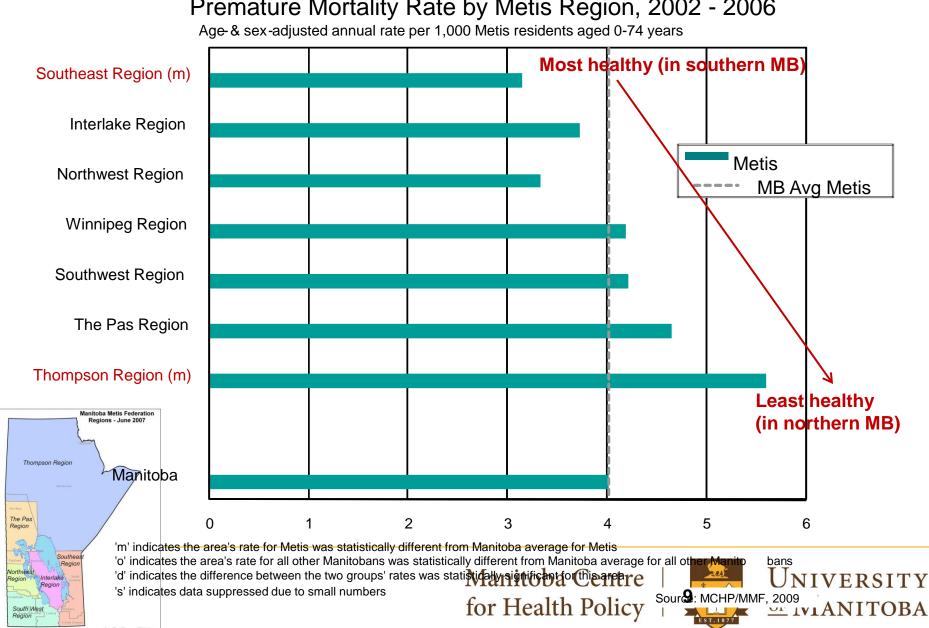
Note: report based upon linkage with 90,915 Metis over time (73,016 in 2006). MB total population is ~1.2 million.







Premature mortality rates 21% higher for Metis (4.0 vs 3.3 per 1000 aged 0-74 years, p<.05).



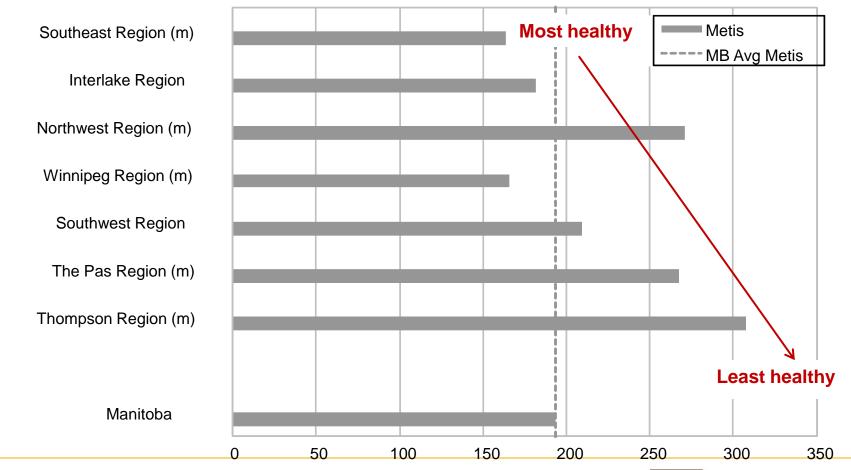
Premature Mortality Rate by Metis Region, 2002 - 2006

So does health care use reflect underlying "need"?

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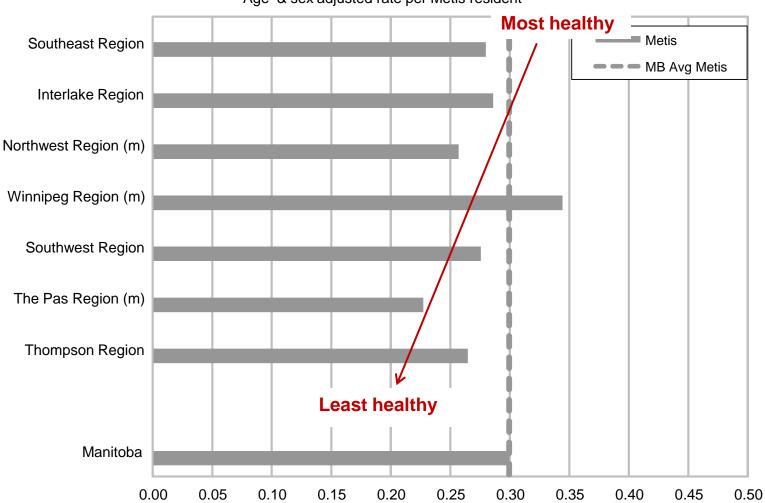
Figure 10.1.2: Total Hospital Separation Rate by Metis Region, 2006/07

Age& sex adjusted rate of hospital separations per 1,000 Metis residents



Note: Hospital rates 26% higher for Metis (194 vs. 154 per 1000, p<.05).

Figure 9.2.2: Ambulatory Consultation Rate by Metis Region, 2006/07



Age- & sex-adjusted rate per Metis resident

'm' indicates the area's rate for Metis was statistically different from Manitoba average for Metis

Note: Consultation rates to specialists 7% higher for Metis (0.30 vs. 0.28 per person per year, p<.05). Low in the north for Metis.

Key Results Metis Report

Burden of disease:

- Poorer health status for Metis compared to all other Manitobar mostly higher (13%-49%) rates of illness
- Youth health: high risk

Healthcare use:

- Health care use is higher for Meti reflecting greater need
- North has lower physician and consult visits than expected (different north "model" for Met compared to First Nations?)

MMF (Health & Wellness Department) is doing community dialogues through 7 Regional Knowledge Networks, to give context to the data

Prevention and

screening:

- Metis rates mostly similar or better than all pthers;
- Continuity of care consistently associated with *higher uptake of prevention and screening*

Geography:

 Geographical variation provides context of "promising practices" MANITOBA CENTRE FOR HEALTH POLICY ASSEMBLY OF MANITOBA CHIEFS

The health and health care use of Registered First Nations people living in Manitoba: a population-based study (2002)

Research Team

MCHP: Patricia J. Martens, Ruth Bond, Laurel Jebamani, Charles Burchill, Noralou Roos, Shelley Derksen, Marcella Beaulieu, Carmen Steinbach, Leonard MacWilliam, Randy Walld, Natalia Dik

AMC: Doreen Sanderson and the Health Information and Research Committee of AMC, Marilyn Tanner-Spence, Audrey Leader

MB FN-CAHR: Brenda Elias, John O'Neil Manitoba Centre for Health Policy

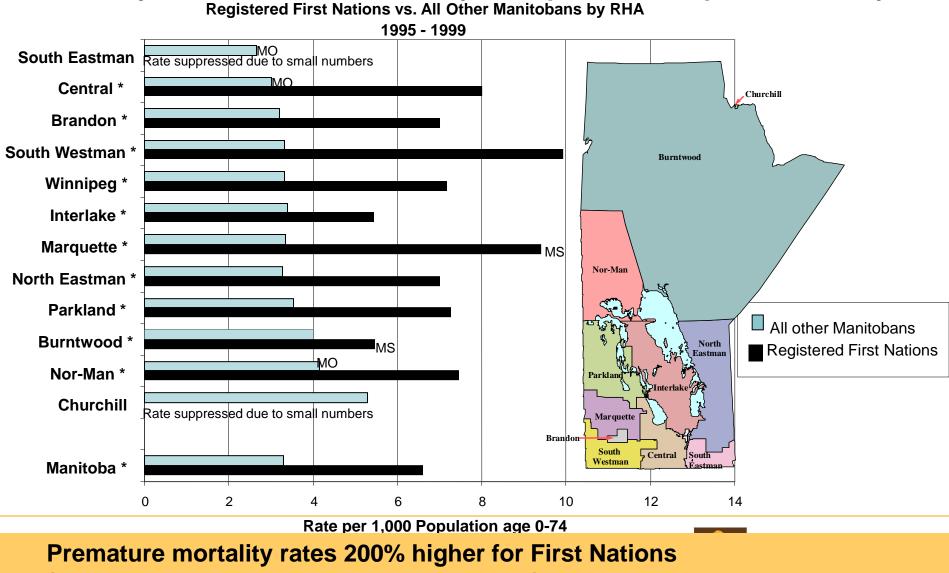


Churchill Note: report based upon linkage with **KTC** 97,635 Burntwood **Registered First Nations** over time **SCTC** (87,328 in Norman 1999) ILTC January 2001 This map has been developed by the Health Information and Research North Committee of AMC, in conjunction Eastman with Mike Anderson (MKO) and **Charles Burchill (MCHP)** WRTC SERDC Parkland Æ Q **A** Interlake **IRTC** DOTC DOTC ILTC LTC Marquette IRTC IRTC KTC KTC SCTC SCTC Brandon SERDC Winnipeg SERDC WRTC WRTC DOTC South South I NIN Westman⁷ Central nitol IVERSITY I N-S Eastman for Health Policy Manitoba OF 80 160 Kilometers

Figure 4.2

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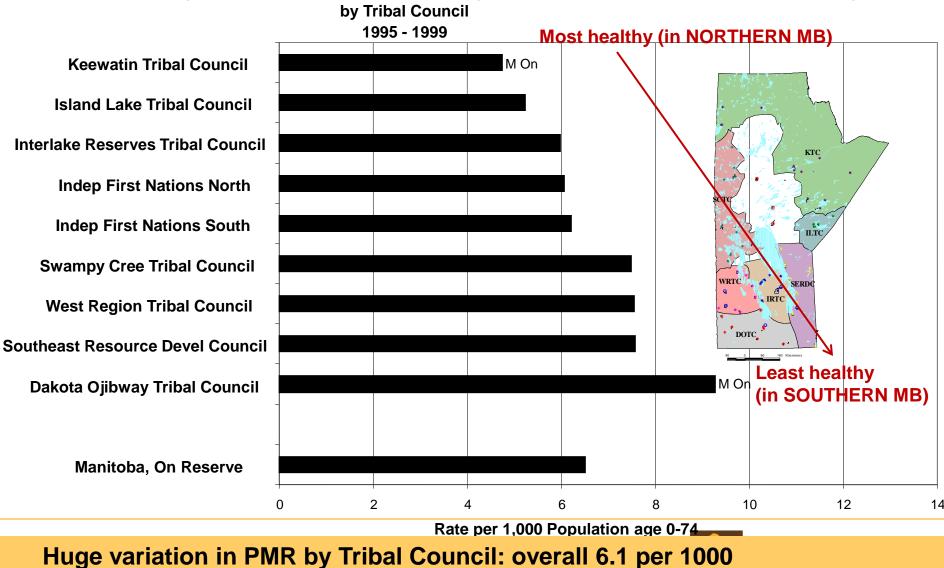
Direct Adjusted Premature Mortality Rate per 1,000 Population 0-74 years



(6.6 vs. 3.3 per 1000 ages 0-74 years, p<.05).

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Direct Adjusted Premature Mortality Rate per 1,000 Population 0-74 years



KTC (in north) 4.8 per 1000; DOTC (in south) 9.3 per 1000, both p<.05

So does health care use reflect underlying "need"?

Direct Adjusted Hospital Separation Rate per 1,000 Population

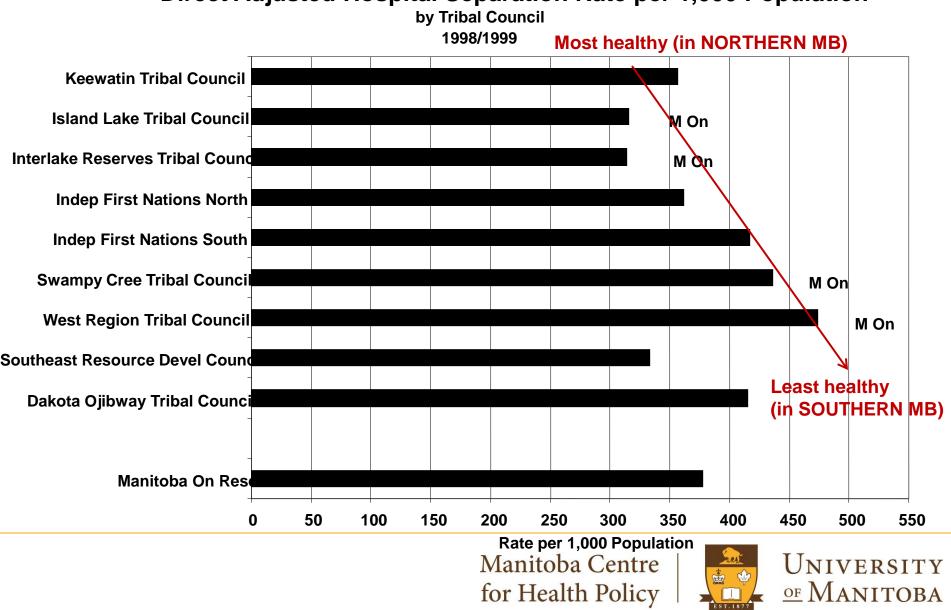
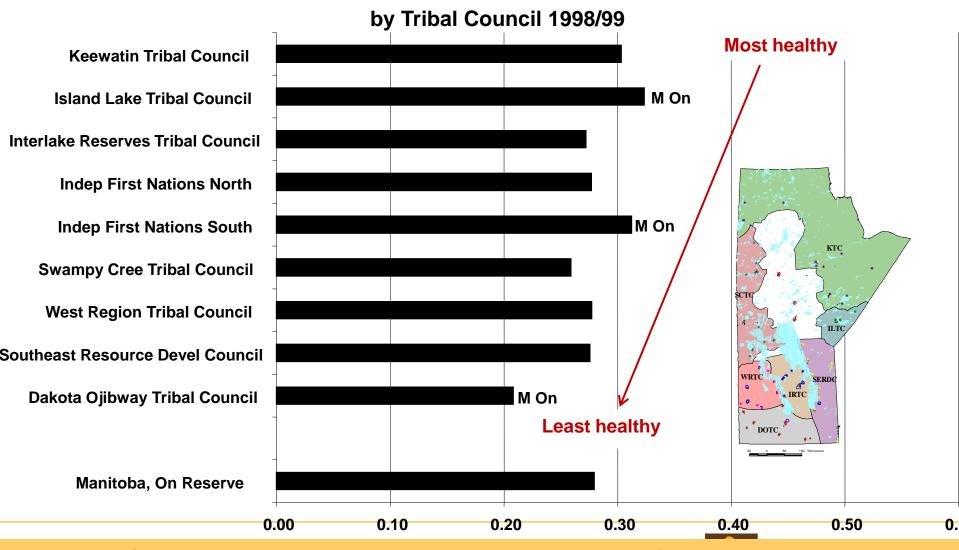


Figure 7.4: Direct Adjusted Ambulatory Consultation Rate, per person



Note: Consult rates only 7% higher for First Nations (0.29 vs 0.27 per person per year , p<.05). But highest for selected north locations.

Key findings First Nations report:

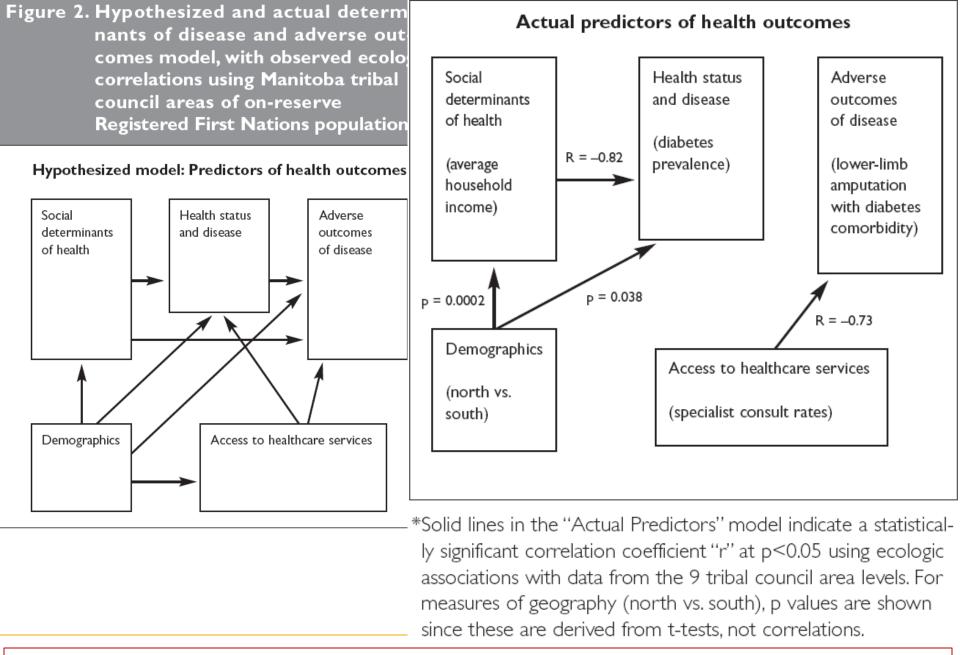
- Health status of **Registered First** Nations people is much poorer
- Big differences in health status and health care use across Tribal Council areas (DOTC in south of concern)

- Higher overall use of physicians and hospitals reflect RFN poorer health status
- Consult rates do not reflect need; no relationship to proximity to urban centres
- Preventive care rates are lower

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Martens PJ, Martin B, O'Neil J, MacKinnon M. Distribution of diabetes and adverse outcomes in a Canadian First Nations population: Associations with health care access, socioeconomic and geographical factors. Canadian Journal of Diabetes 2007;31(2):131-139.



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Summary Comparisons... Metis and First Nations compared Metis First Nations

- Poorer health
 PMR 13% higher
- Greater use of healthcare
 - Hospitals 26% higher
 - Consults 7% higher
- Lower consults, poorer health in North
- Similar/better preventive care

Much poorer health
– PMR 200% higher

- Greater use of healthcare
 - Hospitals 223% higher
 - Consults 7% higher
- Lower consults, poorer health in South
- Poorer preventive care

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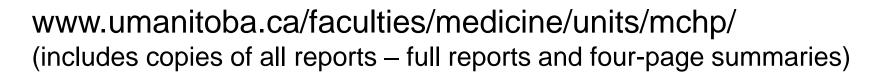
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Youtube video about our workplace ...

http://www.youtube.com/watch?v=r--a96JEuXo&feature=youtube_gdata

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