

The Circumpolar Health Systems Review

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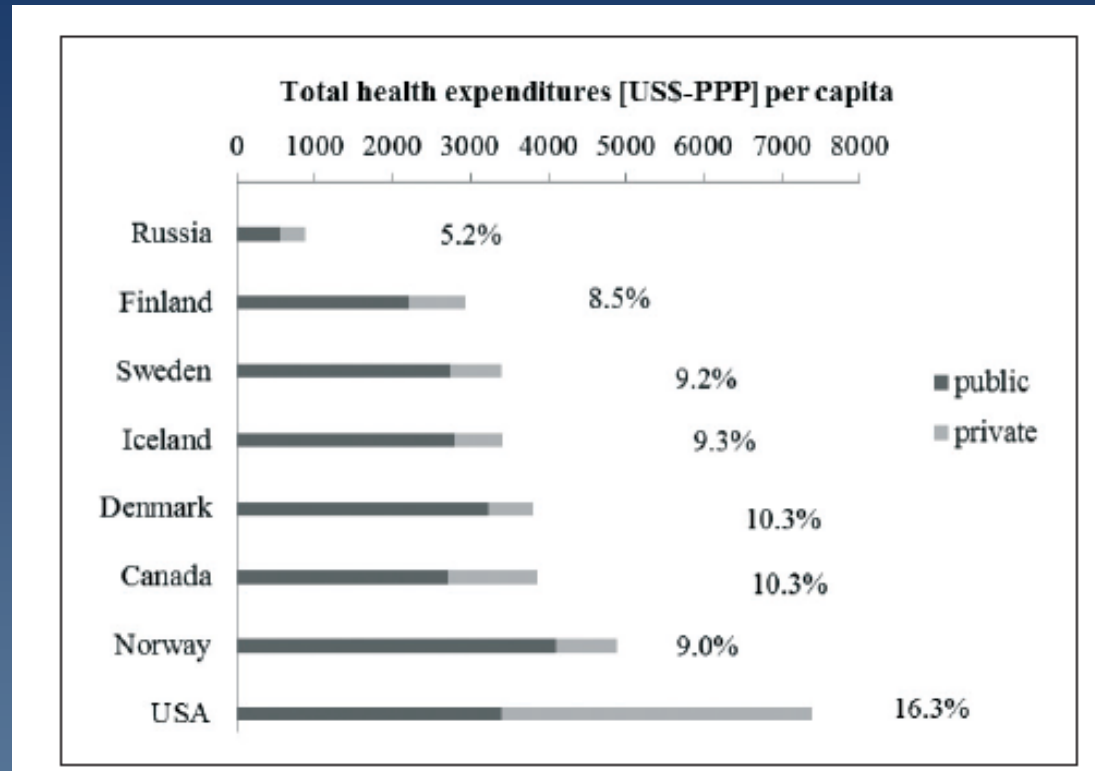
A stylized, layered mountain range graphic in shades of blue, located in the bottom right corner of the slide.

WHY?

◆ Health care for remote communities face serious organizational, financial, logistical, technical and human resource challenges

◆ Circumpolar countries and regions have evolved different health systems and policies

◆ Identifying, evaluating and comparing approaches, models and best practices may lead to development of strategies to strengthen northern health care



CircHSR

- ◆ Intended as planning phase for larger program of research and knowledge translation
- ◆ Create regional profiles of health care systems – narrative and statistical [organization, resources]
- ◆ Develop specific research questions, methods and solutions for health system improvement in northern regions
- ◆ Funding: Nordic Council of Ministers, Health Canada, Canadian Institutes of Health Research
- ◆ Proposed by Arctic Human Health Expert Group and an authorized project of the Arctic Council

The Review Team

- ◆ Alaska – Kathryn Anderson
- ◆ Northern Canada – Gregory Marchildon and Susan Chatwood
- ◆ Greenland – Peter Bjerregaard
- ◆ Iceland – Tinna Laufey Ásgeirsdóttir
- ◆ Northern Norway – Jon Magnussen
- ◆ Northern Finland – Johanna Lammintakanen and Juha Kinnunen
- ◆ Sweden, Russia and Faroe Islands not covered individually but included in statistical overviews

Outline of Report

Background and Overview

- ◆ Introduction
- ◆ Geographical Coverage
- ◆ Methods and Data Sources
- ◆ Population Characteristics
- ◆ Indigenous People
- ◆ Climatic Conditions
- ◆ Health Status
- ◆ Health Expenditures
- ◆ Health Care Personnel
- ◆ Health Care Facilities

Regional Profiles

Cross Cutting Issues

- ◆ Financing
- ◆ Decentralization
- ◆ Human Resources
- ◆ Indigenous People
- ◆ Public Health
- ◆ Telehealth innovations

Policy Implications and Future Research

- ◆ Health System Challenges
- ◆ Health System Responses

CIRCUMPOLAR HEALTH
SUPPLEMENTS 

2012 (9)

A Comparative Review of Circumpolar Health Systems

Edited by
Kue Young
Gregory Marchildon

[\[www.circumpolarhealthjournal.net/public/journals/32/chs/CHS_2012_9.pdf\]](http://www.circumpolarhealthjournal.net/public/journals/32/chs/CHS_2012_9.pdf)

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CIHR IRSC

The North: Regional Approach



Health care challenges

- ◆ Remote, scattered population – limited access, transportation/communication problems;
 - ◆ Harsh environment – effects on infrastructure, facilities, equipment, staff and patients
 - ◆ Marginalized populations [indigenous people] – substantial unmet health needs
 - ◆ Substantial resources devoted to health care - per capita health expenditures in some northern regions among highest in the world
 - ◆ Are we getting “value for money” in northern health care?
 - ◆ Is northern health care sustainable?
 - ◆ Can research contribute to solutions?
- 

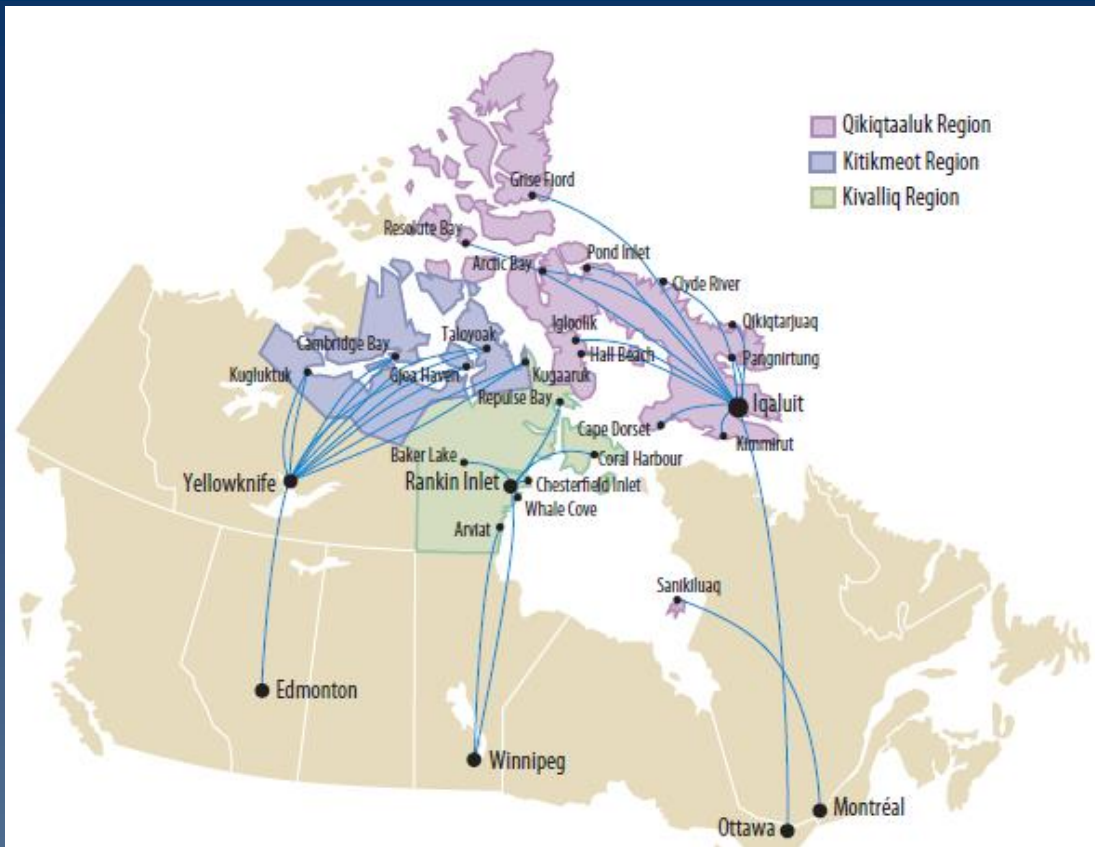
- ◆ BUT the North is diverse – these conditions are highly variable across regions
- ◆ North is highly urbanized – the largest city may account for up to 70% of the regional population – urban health care in the North is not very different from other parts of country



Tromsø, Norway

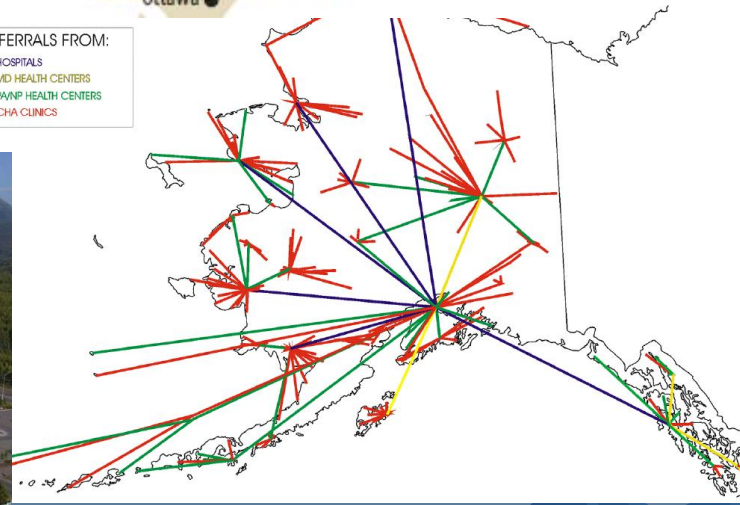


Ilimanaq, Greenland



REFERRALS FROM:

- HOSPITALS
- MD HEALTH CENTERS
- PAWP HEALTH CENTERS
- CHA CLINICS



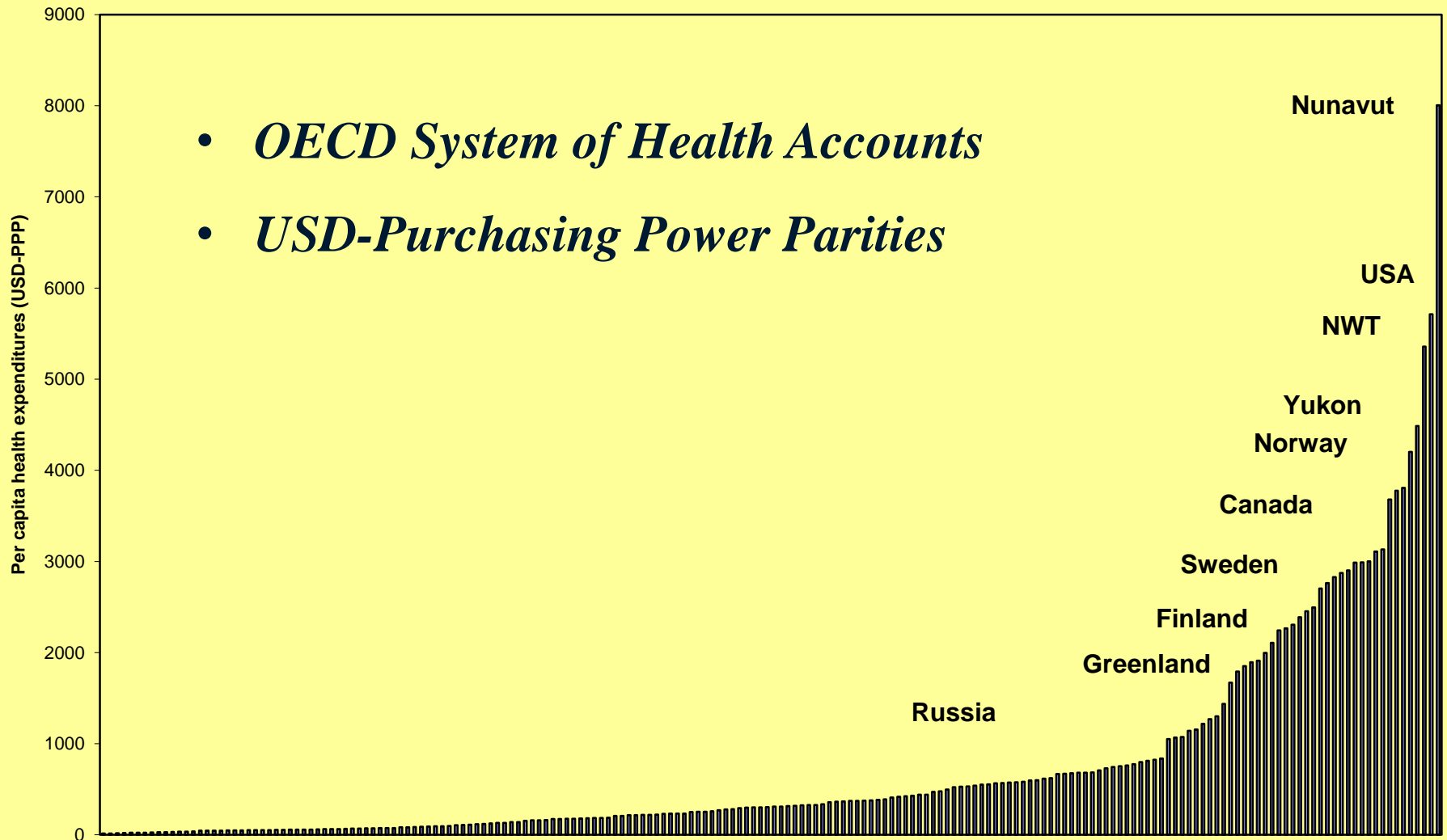
Challenges of international comparison

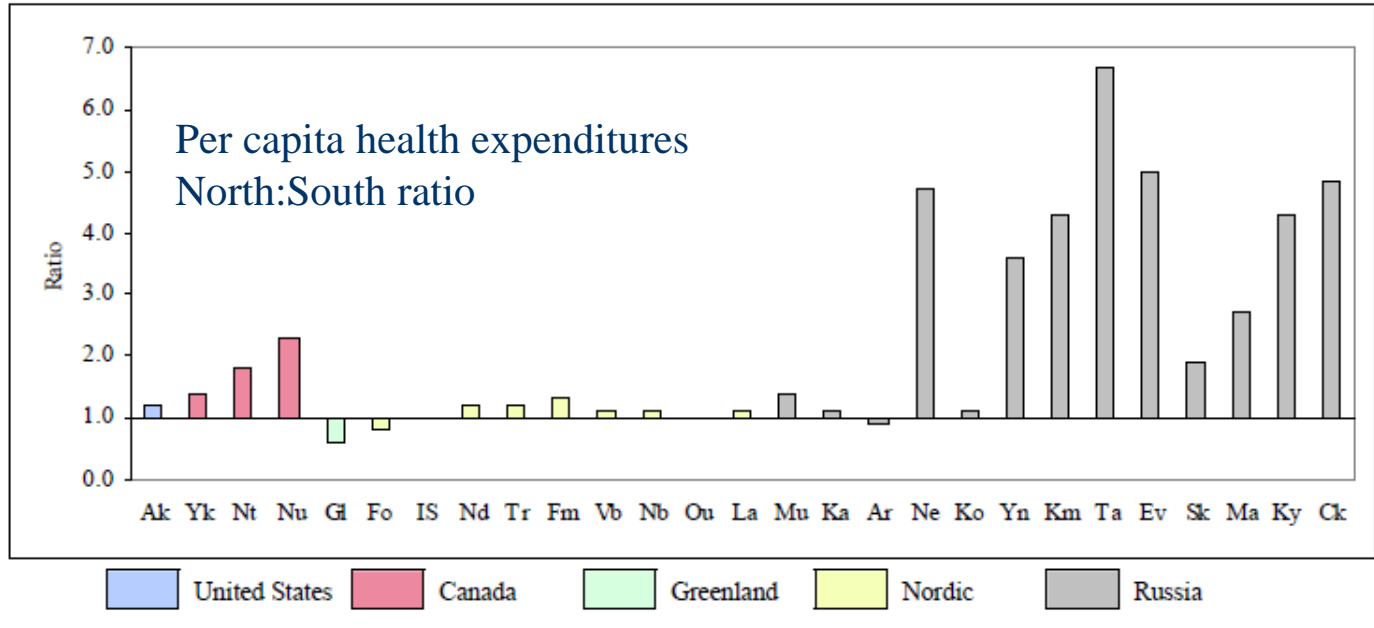
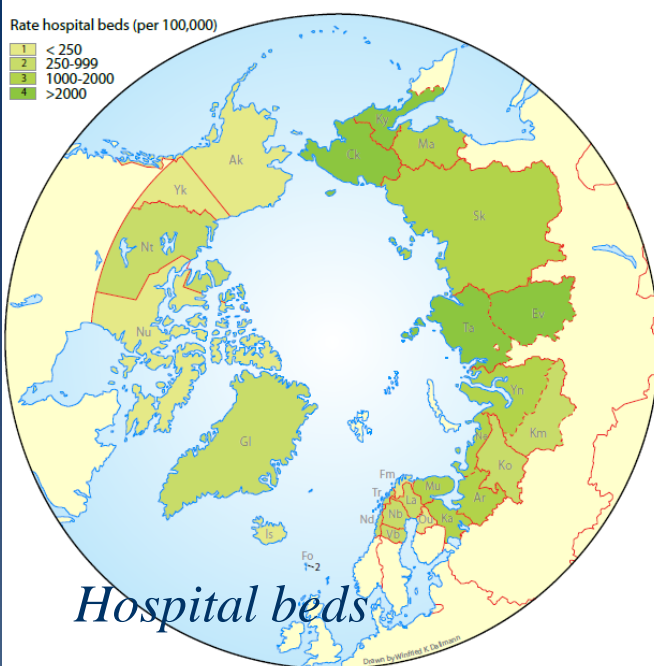
Canada	Denmark	Finland	Iceland	Norway	Sweden	USA	Russia
physician/ médecin	læge	lääkäri	læknir	lege	läkare	physician	vrach
dentist/ dentiste	tandlæge	hammaslääkäri	tannlæknir	tannlege	tandläkare	dentist	stomatolog
nurse/ infirmière	sygeplejerske	sairaanhoitaja	hjúkrunarfræðingur	sykepleier	sjuusköterska	nurse	medicinskaya sestra
public health nurse/ infirmière de santé publique	Sundheds- plejerske	terveydenhoitaja	Heilsugæslu- hjúkrunarfræðingur	helsesøster	Distrikts- sköterska	public health nurse	
midwife/ sage-femme	jordemoder	kättilö	ljósmóðir	jordmor	barnmorska	midwife	akusherka

*Health Care Personnel:
Are we comparing like with like?*

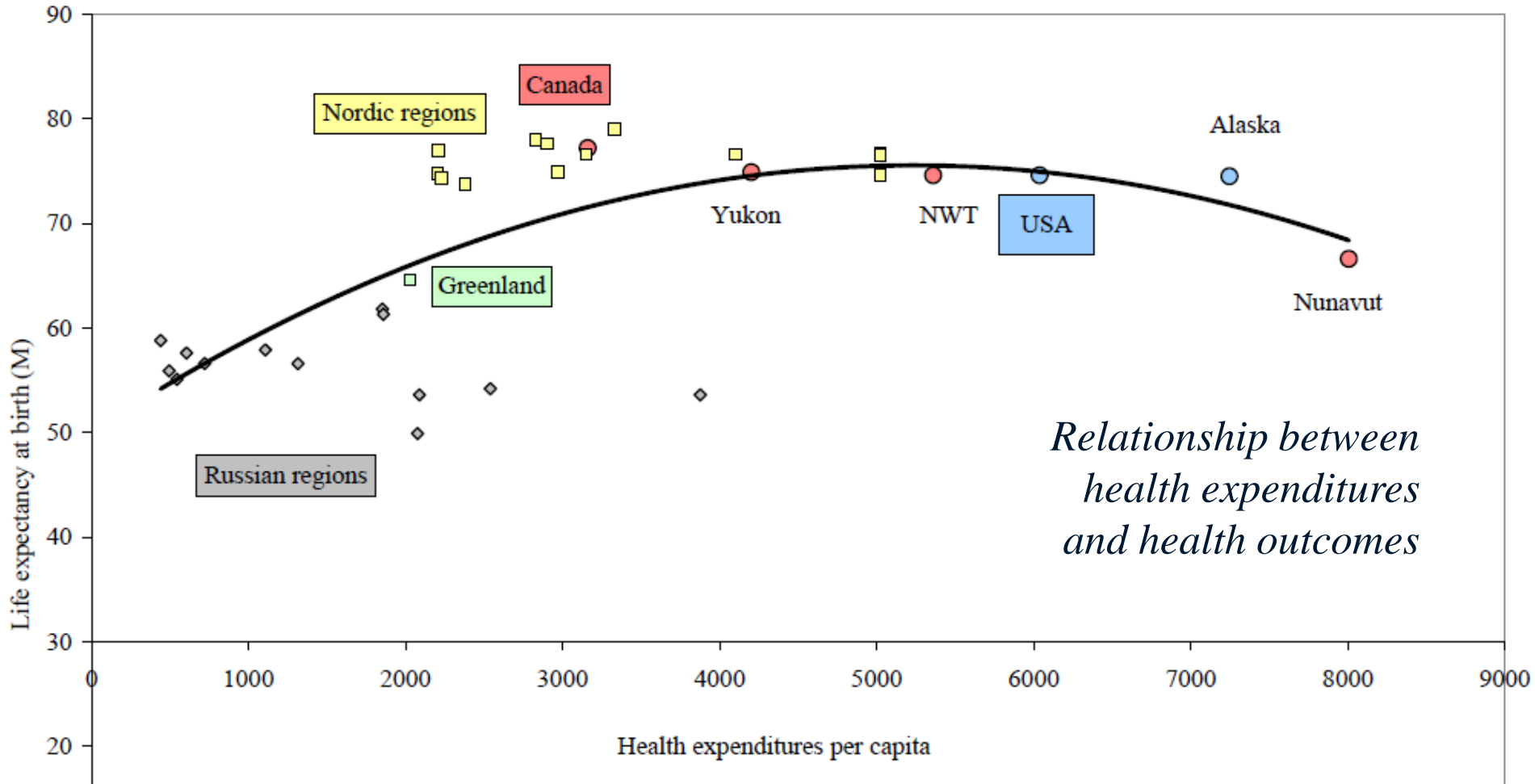
Per capita health expenditures

- *OECD System of Health Accounts*
- *USD-Purchasing Power Parities*





BUT




Potential Solutions

- ◆ Governance and organizational models
- ◆ Service delivery for indigenous peoples
- ◆ Integration of public health and primary care
- ◆ Human resources development
- ◆ Technology innovations for remote delivery



Next Steps?

- ◆ From descriptive to evaluative
 - ◆ Health system performance
 - ◆ Northern-adapted metrics
 - ◆ Indigenous measures?
- 

Thank you



Спасибо



Thank you/
Merci



Kiitos/
Tack



Þakka þér



Tack



Tak



Takk



Qujanaq



Tak

