

Development of a Circumpolar Health Observatory

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Inuvialuit Regional Corporation
Yellowknife, 2010

Contents of presentation

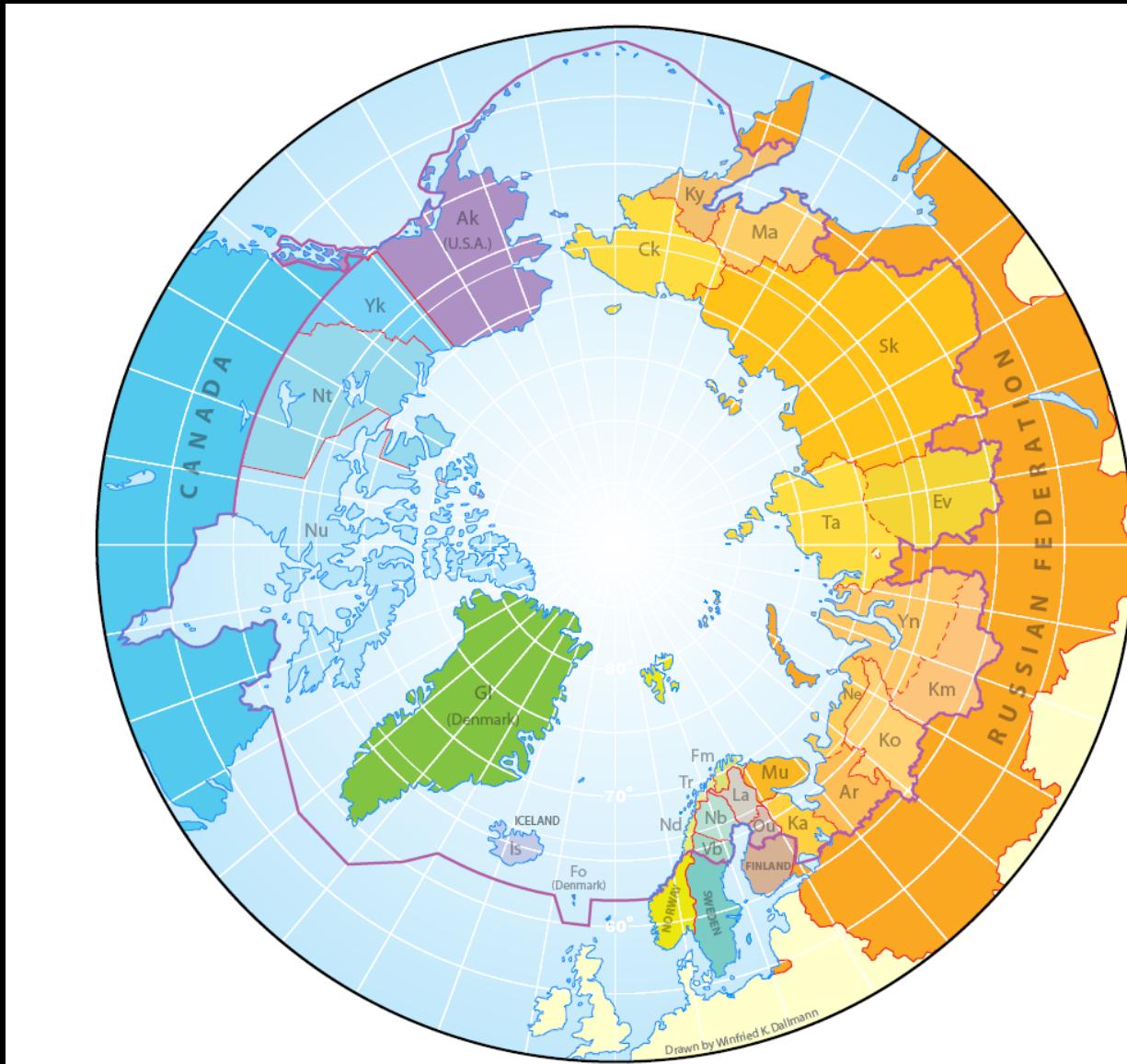


- Development of a Circumpolar Health Observatory [CircHOB] – a program of Institute for Circumpolar Health Research, Yellowknife, and University of Toronto, Canada
- Application of Observatory data to describing and understanding health disparities among circumpolar regions and populations

What is CircHOB and what can we use it for?

- An international circumpolar collaborative health information system
- Systematic, standardized, consistent methods in data collection, analysis, and reporting
- Monitors trends and patterns in health status, health determinants, and health care
- Provides quantitative evidence for planning and evaluation of health programs and services
- Population-based, aggregated by administrative regions in all circumpolar countries

- Ongoing web-based resource -> generate health assessment reports for regional/national/international governments and indigenous people's organizations on request
- Searchable and interactive database to be developed [www.circhob.circumpolarhealth.org]
- User-generated tables based on region, year, indicator
- SAON Inventory of Networks
- Arctic Council's Sustainable Development Working Group project [under consideration]



Circumpolar countries and regions

Data Sources



nomesco



Statistics
Canada

ФЕДЕРАЛЬНАЯ СЛУЖБА
ГОСУДАРСТВЕННОЙ СТАТИСТИКИ



Eurostat

National Center for Health Statistics.



Socialstyrelsen
THE NATIONAL BOARD OF HEALTH AND WELFARE



Statistiska centralbyrån
Statistics Sweden

ALASKA CENTER FOR
HEALTH DATA & STATISTICS



Statistisk sentralbyrå
Statistics Norway

norgeshelsa på nett

Sundhedsstyrelsen
National Board of Health



Hagstofa Íslands

STAKES

Vastasi - ja tarveyksien tutkimus- ja kehittämiskeskus

Tilastokeskus

NAMMINERSORNERULLUTIK OQARTUSSAT
GRØNLANDS HJEMMESTYRE

Grønlands Statistik

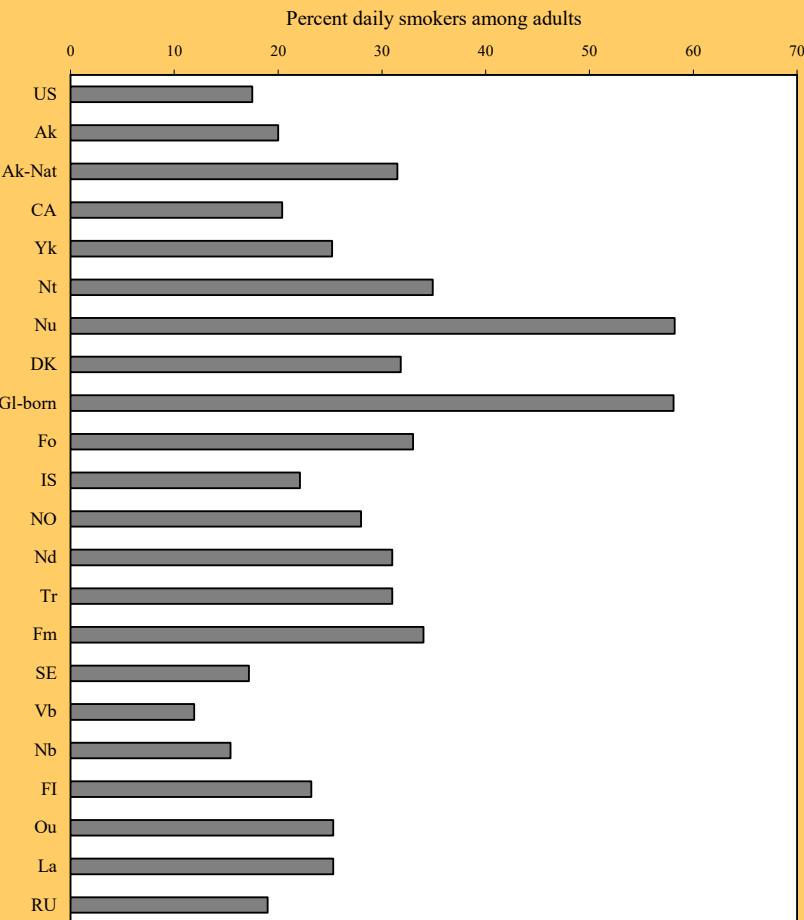


Types of data monitored

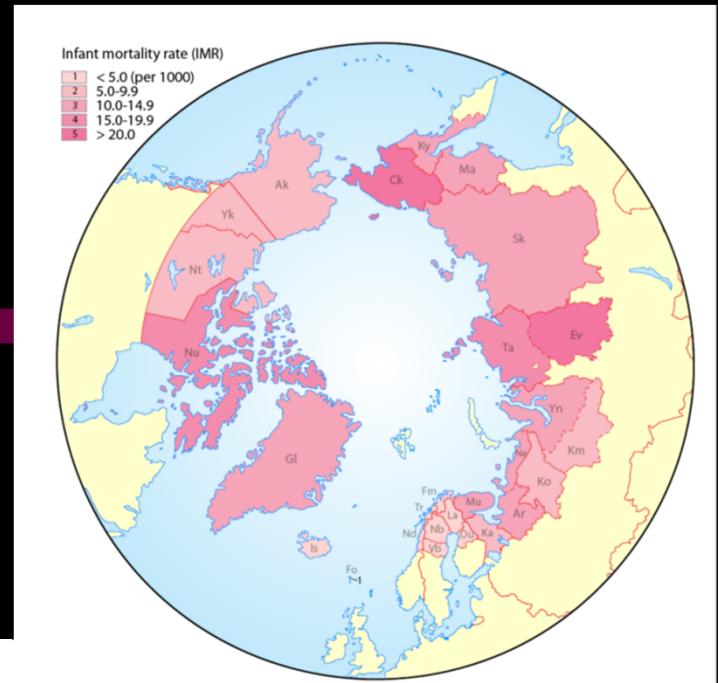
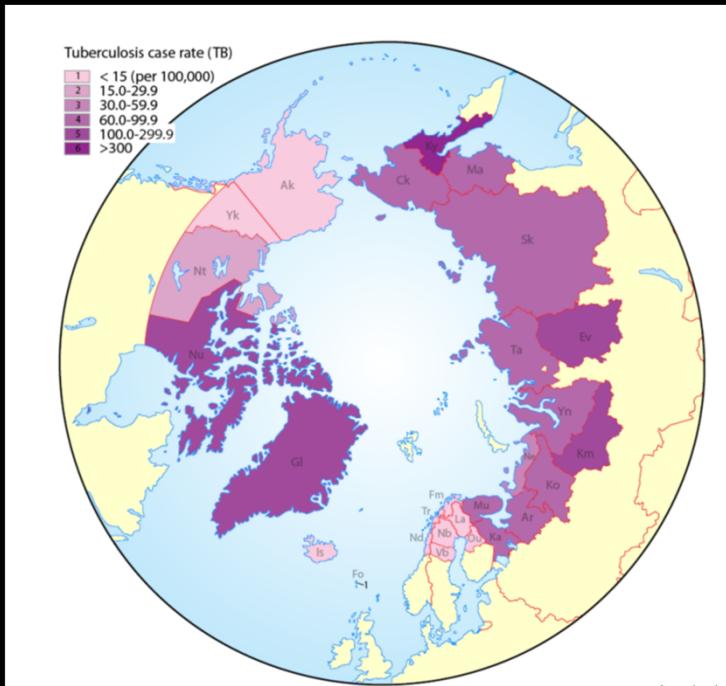
- ***Population***: size, age-sex distribution, density, % indigenous people, % urban
- ***Fertility***: crude, age-specific and total fertility rate; births by mother's age
- ***Mortality***: crude, age-sex-specific mortality rates; life expectancy; infant mortality; age-standardized mortality rates by cause
- ***Reproductive outcome***: perinatal mortality; livebirths by birthweight and gestational age
- ***Disease incidence***: tuberculosis, STDs, cancer
- ***Health related behaviours***: smoking, physical activity
- ***Health care***: health care expenditures; hospital beds; health care professionals

Table A-1. Annual Mean Population

Country/Region	2000	2001	2002	2003	2004
United States	282,193,477	285,107,923	287,984,799	290,850,005	293,656,842
Alaska	627,500	632,249	640,699	648,510	657,755
- Alaska Natives	107,901	108,716	109,975	110,899	112,446
Canada	30,689,035	31,021,251	31,372,587	31,676,077	31,989,454
Yukon	30,421	30,129	30,137	30,574	30,896
Northwest Territories	40,499	40,822	41,489	42,231	42,798
Nunavut	27,500	28,121	28,739	29,165	29,633
<i>Northern Canada</i>	98,420	99,072	100,365	101,970	103,327
Denmark	5,337,344	5,355,082	5,374,255	5,387,174	5,401,177
Greenland	56,201	56,394	56,609	56,765	56,912
- Born in Greenland	49,504	49,710	49,869	50,019	50,190
Faroe Islands	45,749	46,553	47,315	47,923	48,258
Iceland	281,154	285,054	287,559	289,272	292,587
Norway	4,490,967	4,513,751	4,538,159	4,564,855	4,591,910
Nordland	238,702	237,899	237,227	237,004	236,941
Troms	151,469	151,725	151,960	152,438	152,685
Finnmark	74,073	73,910	73,623	73,362	73,142
<i>Northern Norway</i>	464,244	463,534	462,810	462,804	462,768
Sweden	8,872,110	8,895,963	8,924,960	8,958,231	8,993,534
Västerbotten	256,177	255,231	255,025	255,594	256,417
Norrbotten	257,168	255,488	254,185	253,255	252,731
<i>Northern Sweden</i>	513,345	510,719	509,210	508,849	509,148
Finland	5,176,209	5,188,008	5,200,598	5,213,014	5,228,172
Oulu	454,302	455,819	456,924	457,925	459,699
Lappi	193,060	190,528	188,533	187,347	186,680
<i>Northern Finland</i>	647,362	646,347	645,457	645,272	646,379
Russian Federation	146,596,870	145,976,473	145,306,492	144,565,928	143,821,212
Murmansk Oblast	931,969	914,305	897,772	884,906	876,393
Kareliya Republic	732,138	725,176	718,376	711,955	705,888
Arkhangelsk Oblast	1,379,726	1,359,783	1,341,552	1,325,289	1,311,233
- Nenets AO	41,053	40,914	41,298	41,766	41,893
Komi Republic	1,050,377	1,036,262	1,022,842	1,010,873	1,001,073
Yamalo-Nenets AO	497,282	500,696	505,861	511,849	519,232
Khanty-Mansi AO	1,371,548	1,397,658	1,424,798	1,447,119	1,462,760
Taymyr AO	38,257	38,705	39,419	39,557	39,407
Evenki AO	18,241	17,882	17,699	17,574	17,461
Sakha Republic	959,993	954,478	950,057	948,802	949,818
Magadan Oblast	197,960	190,582	184,525	180,086	176,512
Koryak AO	26,238	25,758	25,325	24,656	24,094
Chukotka AO	59,574	56,422	54,223	52,274	51,059
<i>Northern Russia</i>	7,263,303	7,217,707	7,182,449	7,154,940	7,134,930
Total Northern Regions	9,997,278	9,957,629	9,932,473	9,916,305	9,912,064

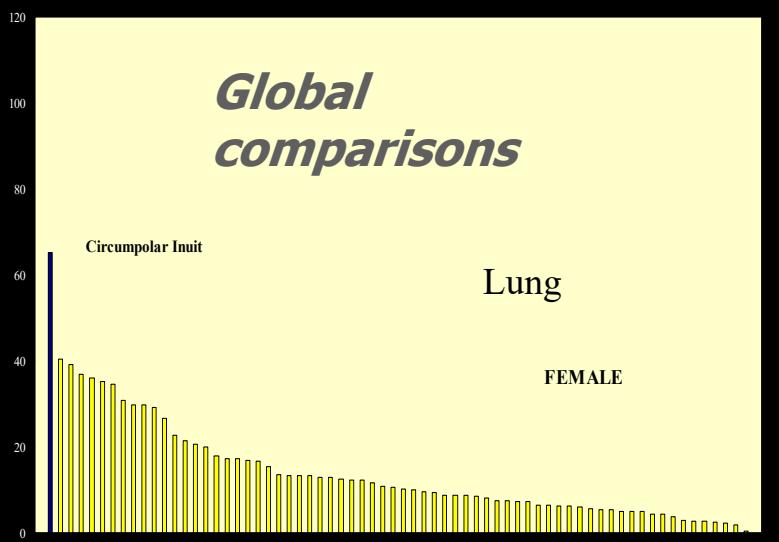
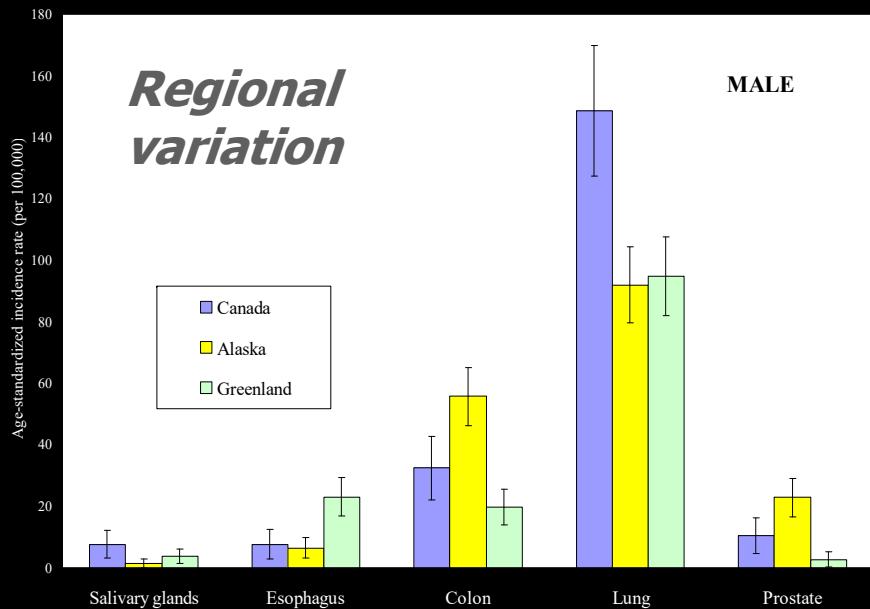
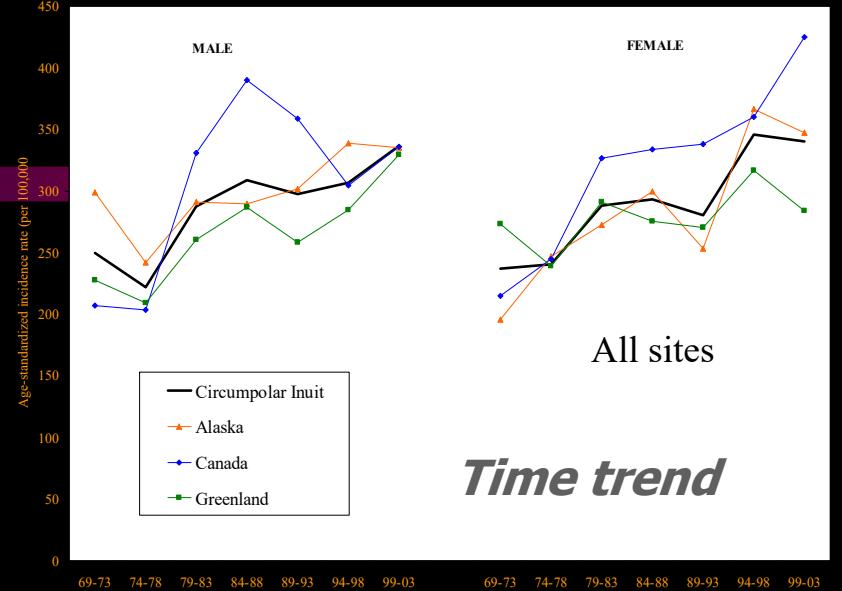
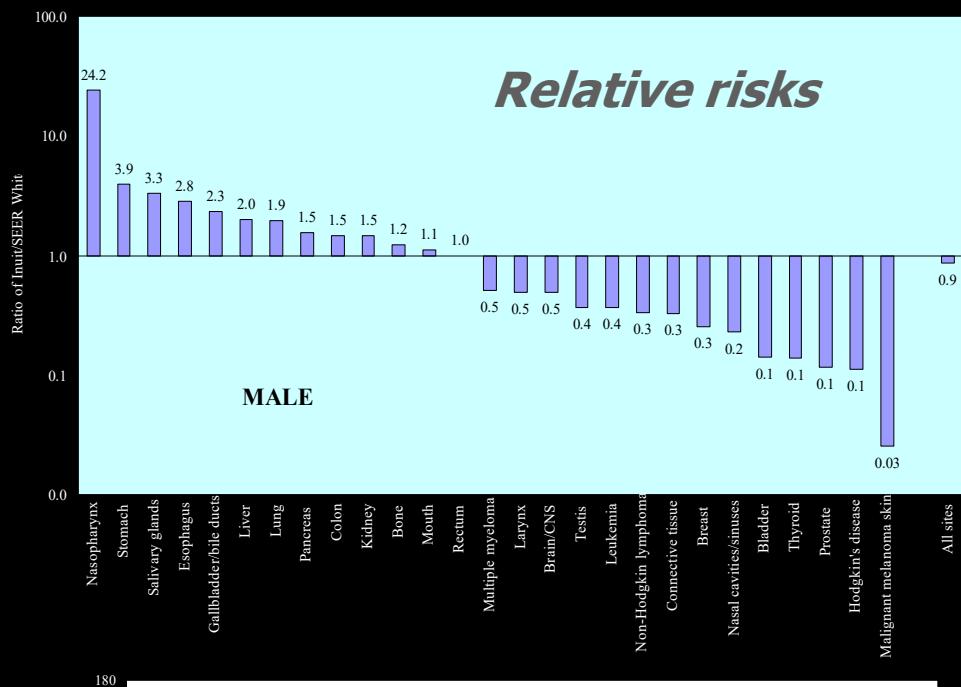


Charts
Data tables

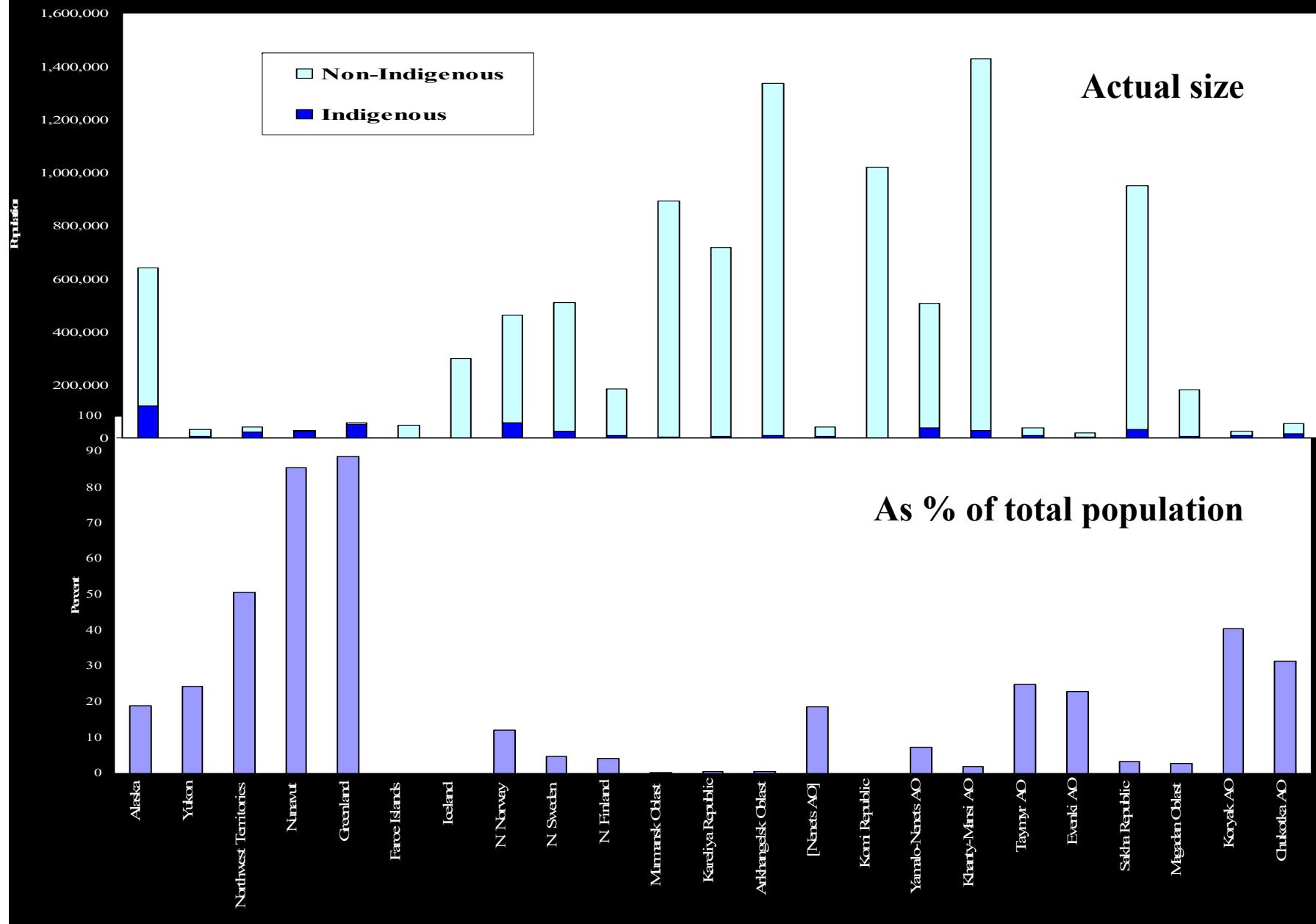


Maps

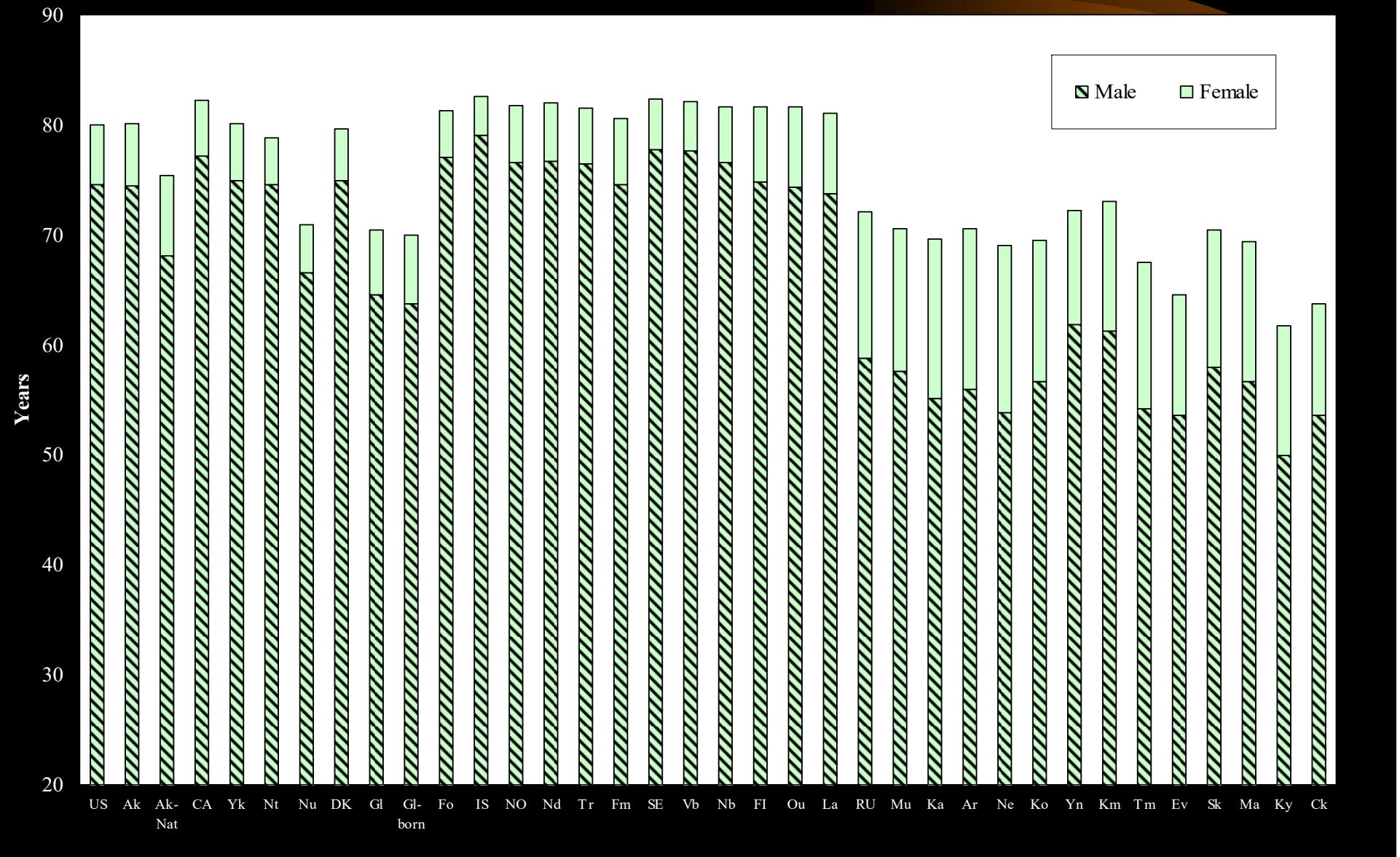
Circumpolar Inuit Cancer Review



Indigenous peoples



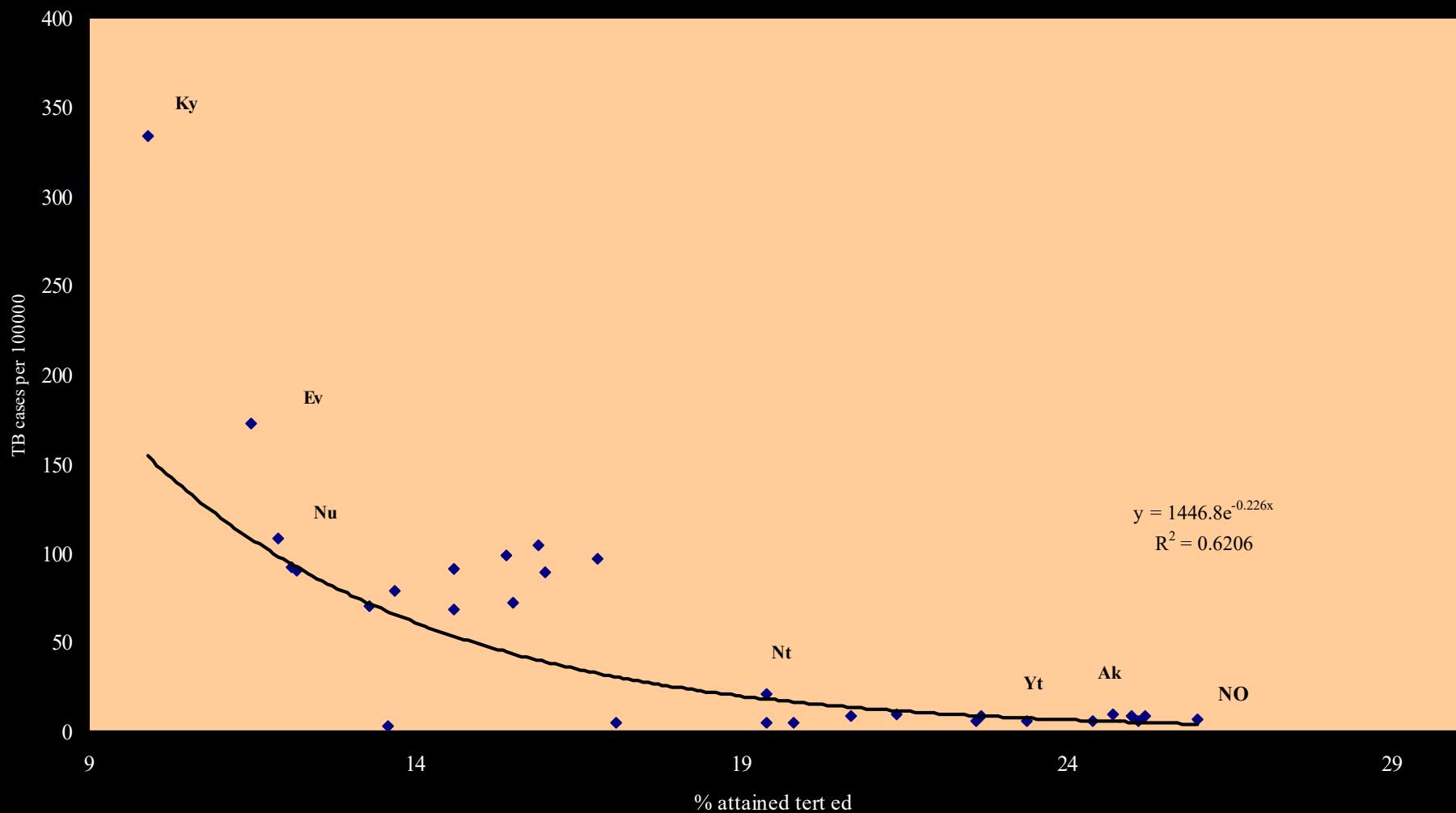
Life expectancy at birth



Patterns of health disparities

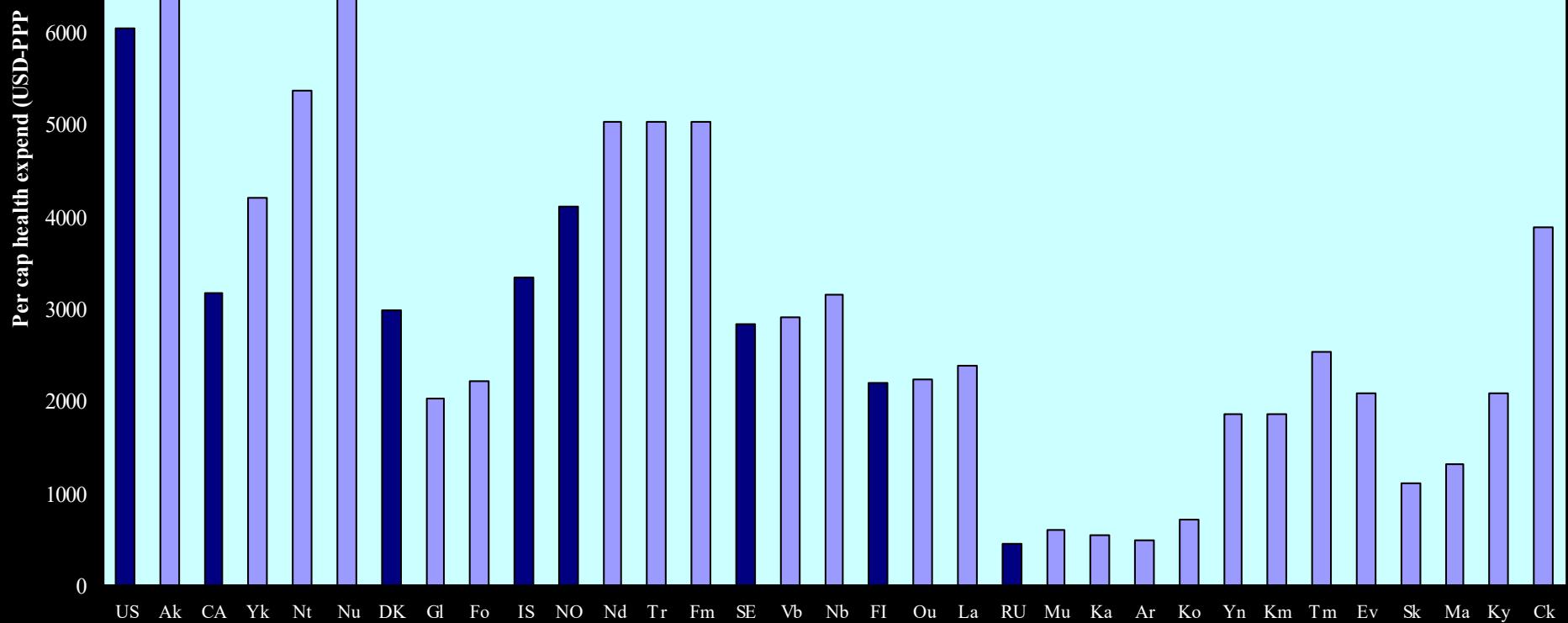


- In Nordic countries, little/no difference between North and South, or between Sami and national populations.
- Greenland and northern Canada, especially Nunavut - substantial disparities with Denmark and Canada.
- State of Alaska not much different from the all-race USA rates but Alaska Natives within Alaska generally fare much worse than the State average.
- There is a health and demographic crisis in Russia—certain northern regions are at particularly high risk, within a country that is worst among all circumpolar countries

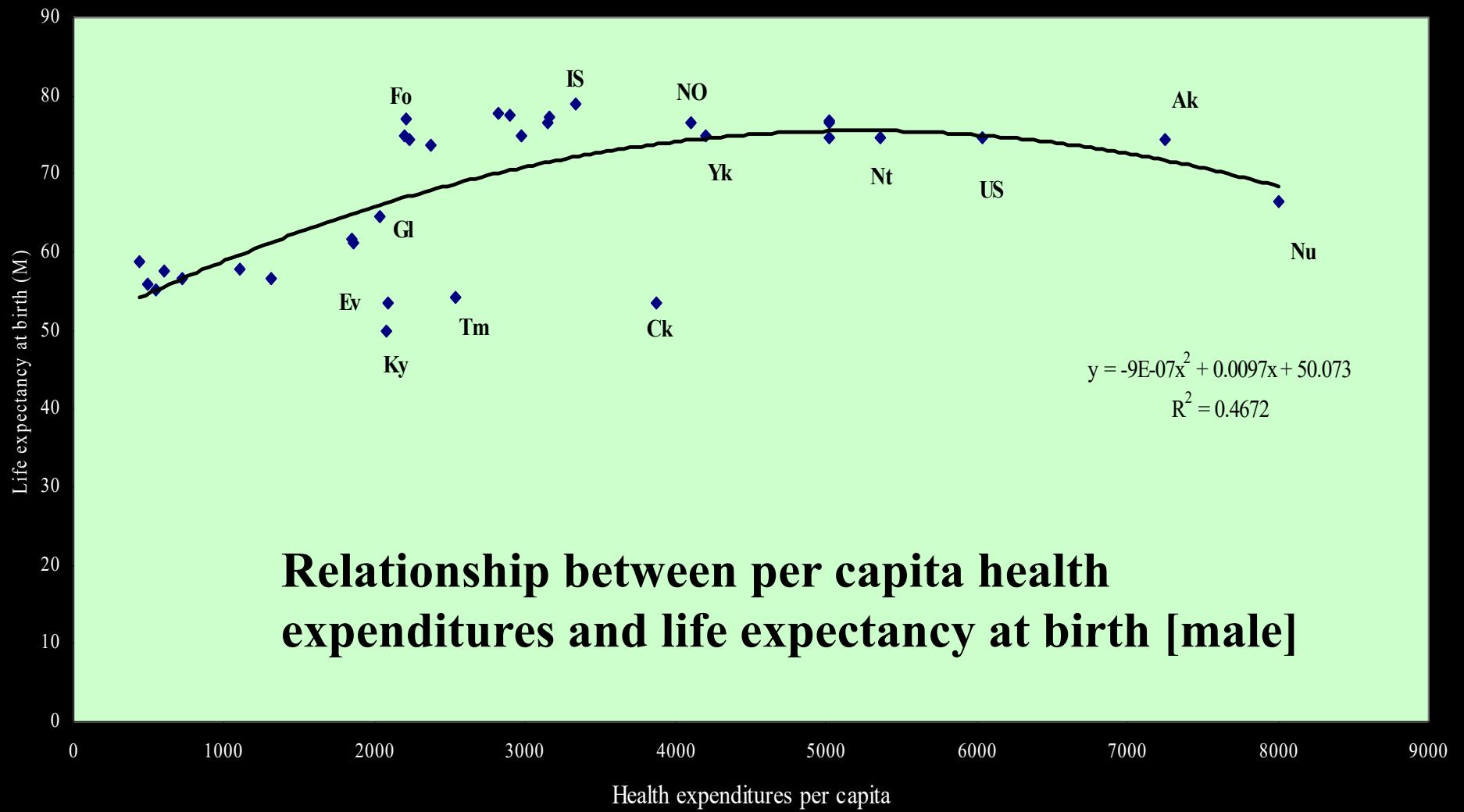


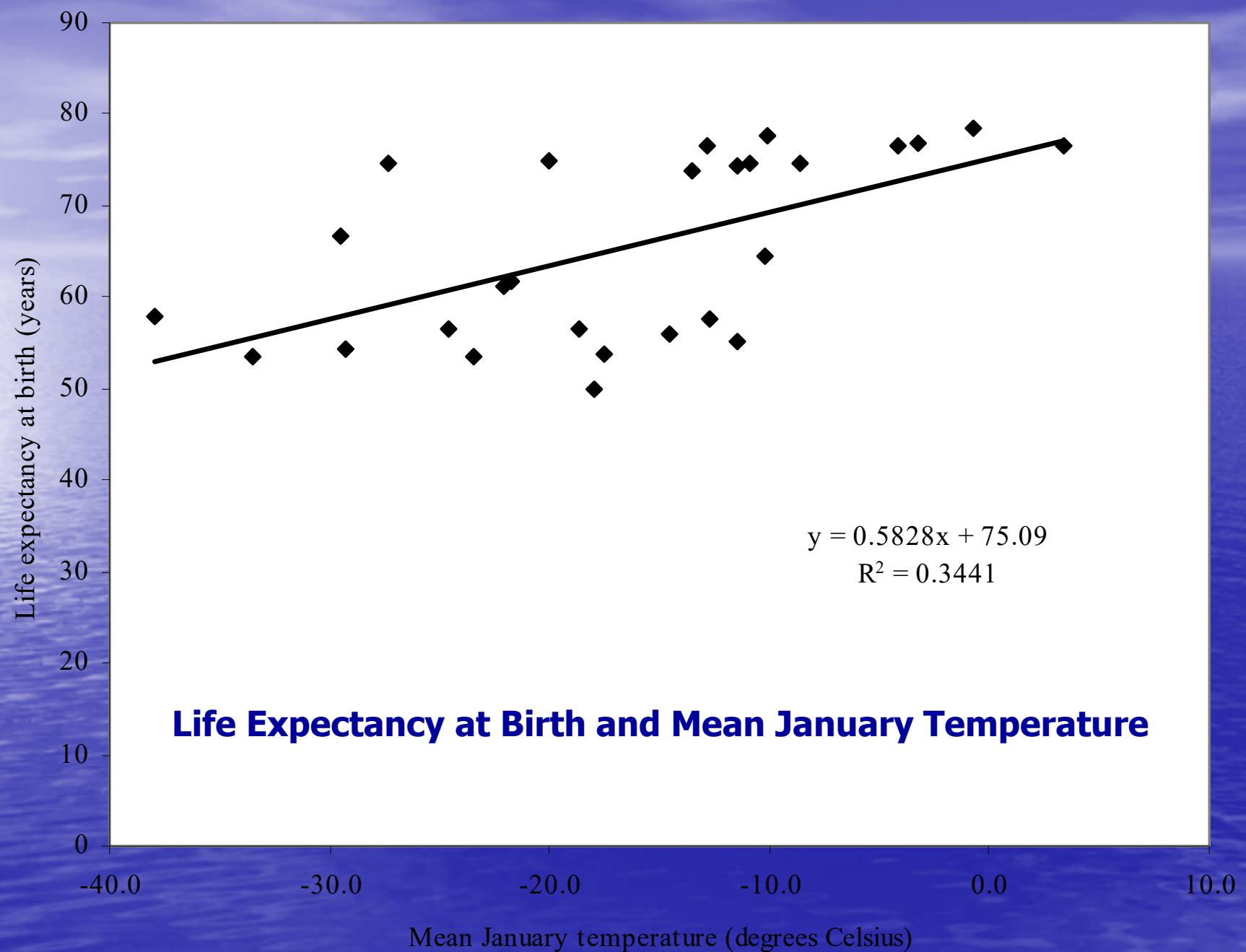
Relationship between % adults who attained tertiary education and TB incidence

Per capita health care expenditures (USD-PPP)



■ = countries; ■ = northern regions







Thank You!