



Inuit Health in Transition

Background and Objectives

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The situation in 2000:
Scattered surveys from
the 1990s

- Keewatin, Canada
- Norton Sound, Alaska
- Nunavik, Canada
- West Greenland



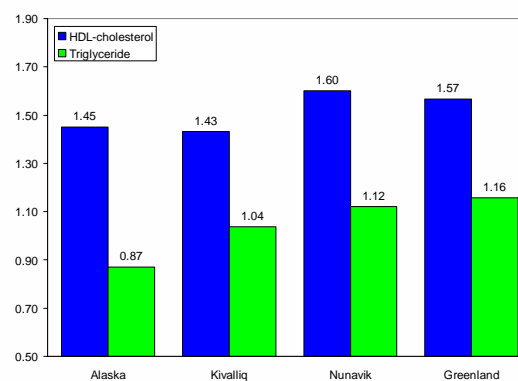


International comparisons:

- Blood pressure
- Obesity
- Lipids
- Glucose

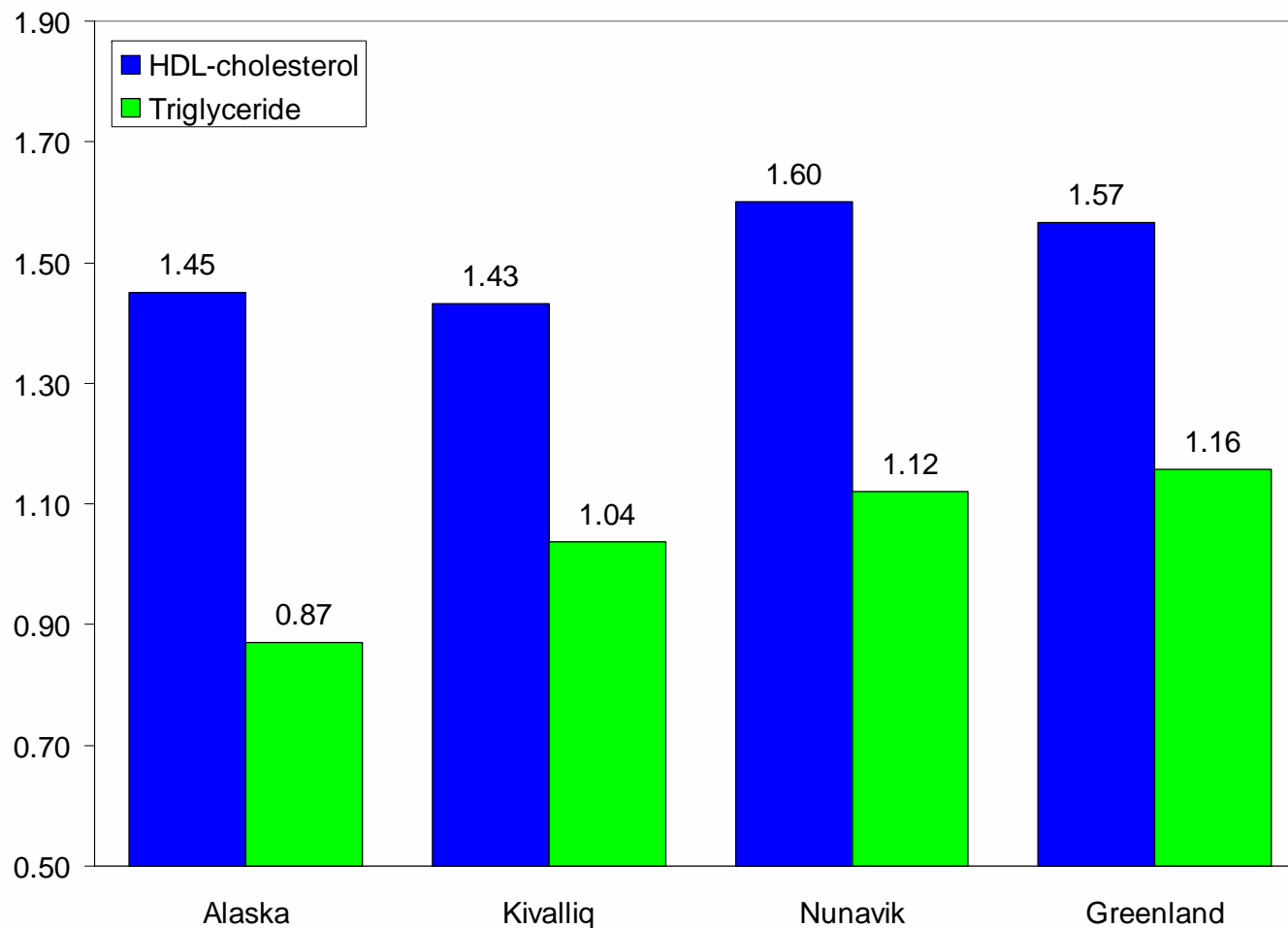
Bjerregaard P, Dewailly E, Young TK, Blanchet C, Hegele RA, Ebbesson SEO, Risica PM, Mulvad G. Blood pressure among the Inuit (Eskimo) populations in the Arctic. *Scand J Public Health* 2003;31:92-99.

Young TK, Bjerregaard P, Dewailly E, Risica PM, Jørgensen ME, Ebbesson SEO. Ethnic specific criteria for obesity – evidence from the Inuit in three countries. *Am J Public Health* 2007;97:691-5.



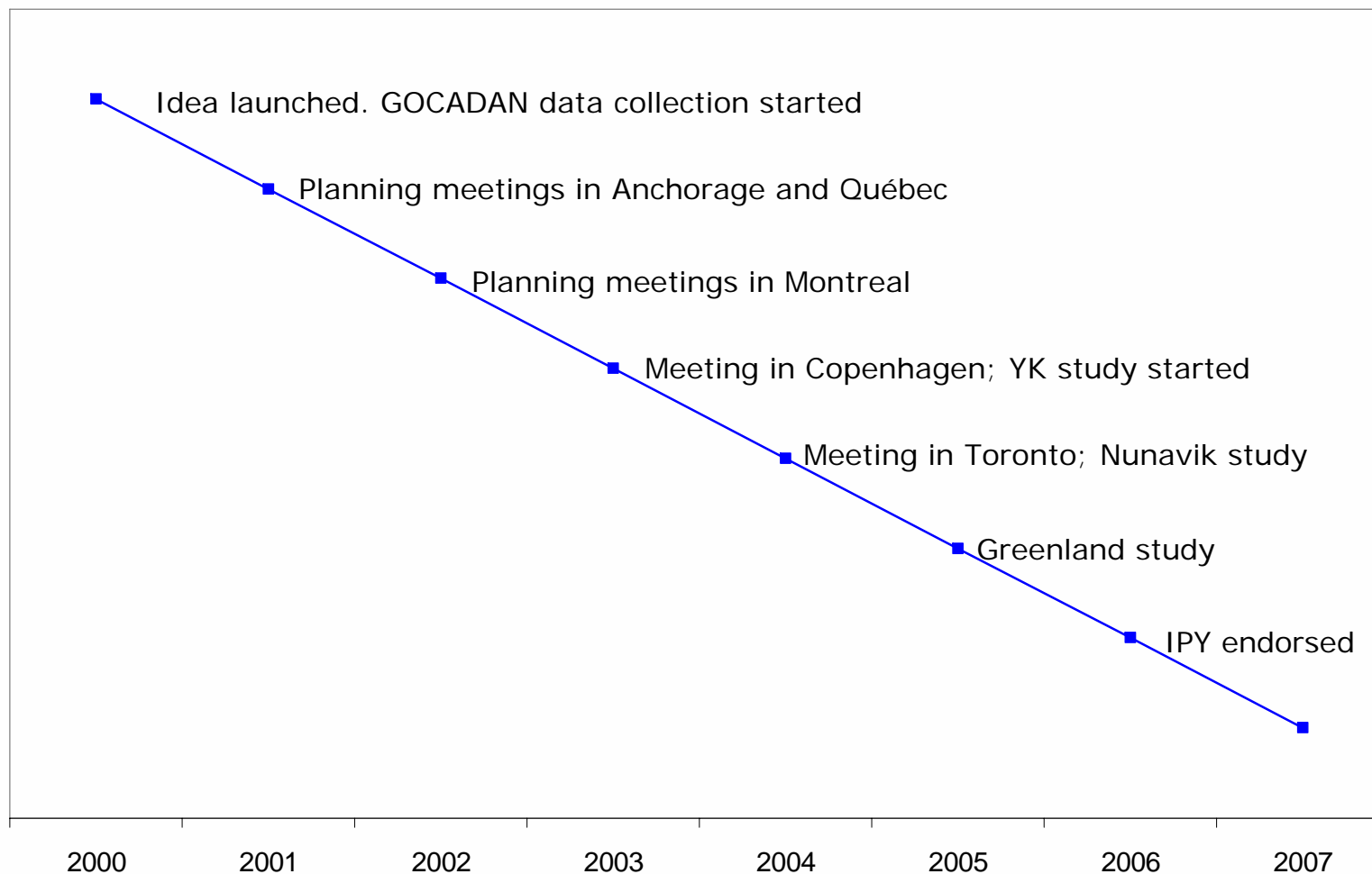


Lipids in four Inuit populations 1990-1999



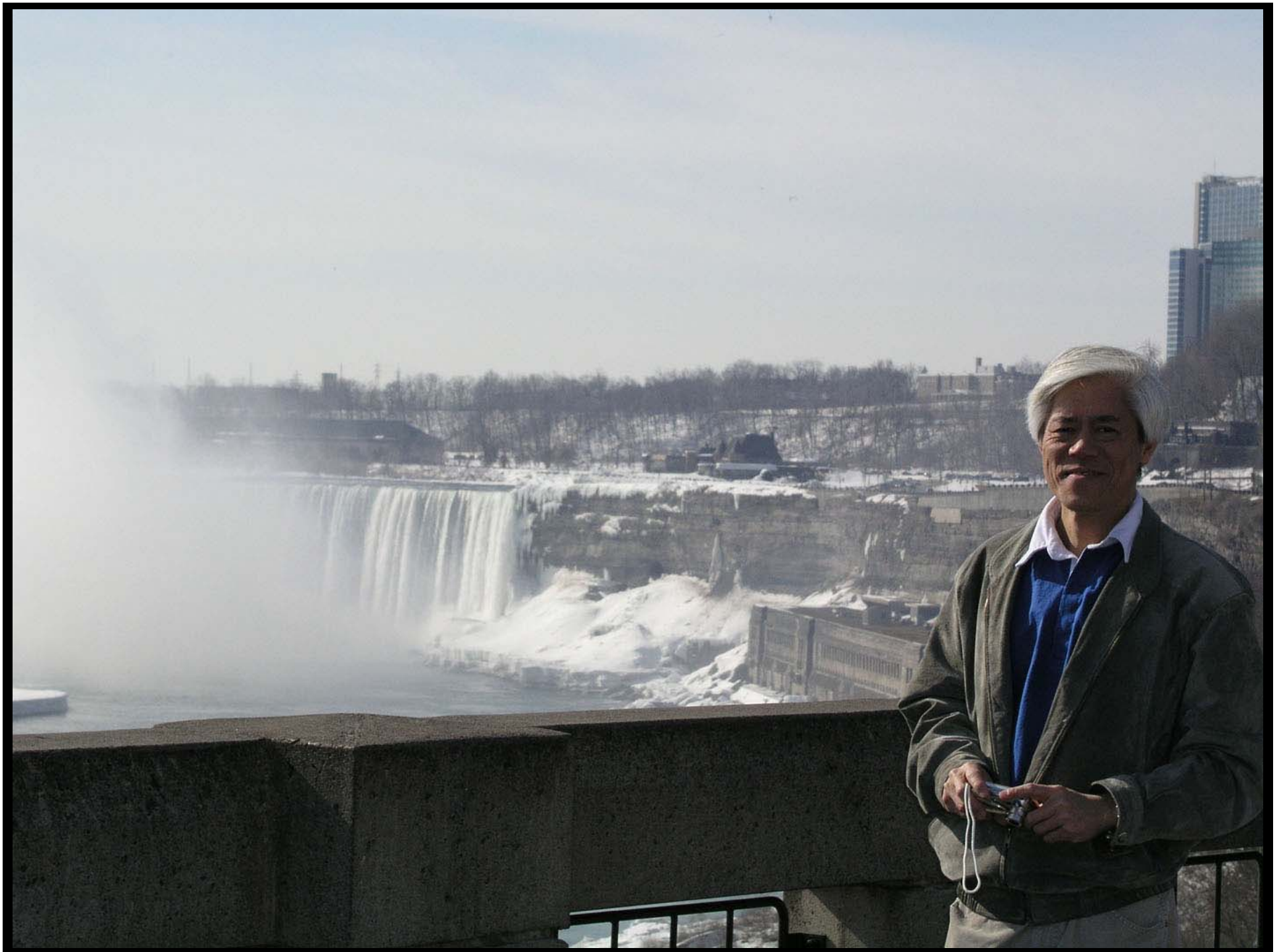


Timeline



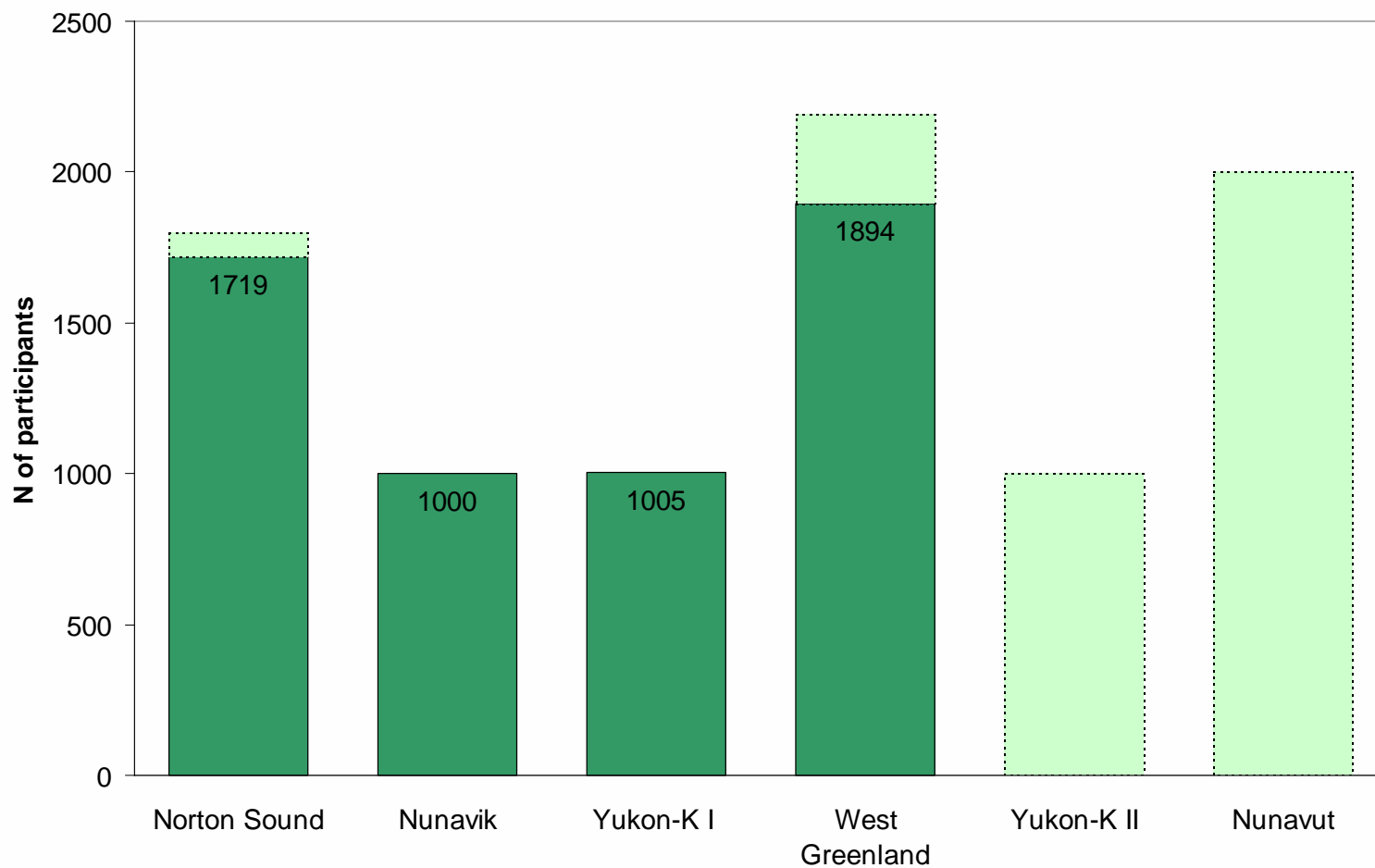








Data collection by study *(April 2007)*





Core protocol 2003

Age, gender, marital status, education	Fasting glucose, insulin
Smoking	OGTT
Self rated health, hypertension, diabetes	Cholesterol and triglycerides
Food Frequency Questionnaire+portions	Fatty acids in RBC membranes
24 hr recall	Apo B, A1, C3
Physical activity questionnaire	DNA
Weight, height, circumferences	Selenium, mercury
Bioimpedance	TSH, T3, T4, TBG
Blood pressure	
Ultrasound of carotides	Biobank



Core protocol 2003

Do we have data from all five studies?

Age, gender, marital status, education	*****	Fasting glucose, insulin	*****
Smoking	*****	OGTT	*****
Self rated health, hypertension, diabetes	?	Cholesterol and triglycerides	*****
Food Frequency Questionnaire+portions	*****	Fatty acids in RBC membranes	*****
24 hr recall	*****	Apo B, A1, C3	*****
Physical activity questionnaire	**	DNA	*****
Weight, height, circumferences	*****	Selenium, mercury	***
Bioimpedance	*****	TSH, T3, T4, TBG	?
Blood pressure	*****		
Ultrasound of carotides	*****	Biobank	*****



Additional studies (examples)

- Body perception
- Ultrasound of abdomen
- Zoonotic diseases
- Environmental health
- Ludomania (compulsive gambling)
- Stable isotopes as biomarkers for diet
- Coping with trauma
- Gene-environment interaction
- Health care delivery
- Water quality



Agenda for Banff

- Update on national progress
- Work out ground rules for collaboration
- Detailed overview of comparability of data

THE END

