# **FOOD INSECURITY IN NORTHERN MANITOBA IN 2008-09 58% OF HOUSEHOLDS WITH CHILDREN EXPERIENCED**

Shirley Thompson, Mariah Mailman, Asfia Gulrukh Kamal, Kimlee Wong, Vanessa Lozecznik, Shauna Zahariuk & Uche Nwankwo

University of Manitoba, Natural Resources Institute

s\_thompson@umanitoba.ca

### BACKGROUND

healthy food choices. This household food security survey provides the first quantified data on the food security status in northern Manitoba in First Nation communities. . Food security takes into perspective food availability, costs and difficult logistics (e.g. airfreight charges, and uncertainty of travel on winter roads), high poverty rates, and a continuing decline in the use of country foods (Northern Food Prices Steering Committee, 2003) result in few

vegetables, due to limited food selections, high food prices, and poor quality of fresh produce. Expensive transport Families in northern Manitoba lack access to affordable nutritious foods, particularly perishables such as fruits and

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An elder from liford said, "The young generations do not have the knowledge.









## id, "Lynn Lake gives us food we want, we catch fish".

Someone from Thicket Portage said, "Children are not getting enough healthy options. They can't recognize common fruits and veggies because they never have been exposed to these kinds of food. They mostly eat Kraft dinner and chicken nuggets". Charlie Hart, the Program Co-House Country foods program success the country foods prog "We are providing food to 1500 them are happy getting fresh m nu people out of 2500 and all of meat and fish."

#### CONCLUSIONS

More than half of househous white reduced food northern Manitoba had either reduced food northern and disrupted food patterns or reduced quality or quantity of food. These rates show a food security criss in Manitoba's Aborginal ommunities (First Nation and Northern Affairs communities) that needs immediate attention. and dedicated resources. Long-term solutions are required and immediate action should be taken. Road access is an important factor contributing to the rates of food insecurity. Communities without road access have greater levels of food insecurity than those with road access. prices of imported foods and their poor More than half of households with chi The quality and quantity of healthy foc acking in 58% +/- 2% of households children in northern Manitoba due to high

Adults couldn't afford to feed

Increasingly research is making the link the tween high food insecurity and different control of the seases like distributed by the different control diseases like distributed by the different control diseases like distributed by the different control of the situation in Northern Manitoba communities is hunter supports and promotion of traditional country foods, including wild meat and fish, as well as gardens, berries and medicinal plants. Despite the food safely risks that exist with traditional food here are clear benefits for their use that appear to outweigh the risks from prions and other factors. Traditional food practices are proven practice in contrast to public health, which is science based. To address the safety of traditional foods traditional food praparation have been processed in an approved facility for a head start program in BC (BCFNHS) Crowling, orgetter retwise the processor of the processo

As well, the household food survey applied should consider other aspects than money which limit access to food in communities without food stores or roads. As well, the household food survey does not consider consider food survey.

REFERENCES

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#### disease (Damman, Eide and Kuhnlein, 2008). Wild food also alleviates hunger providing high quality local fish, wild meat and plants. However, public health restrictions currently do not allow wild fish or meat to be sold in local The traditional Aboriginal diet, combined with the active lifestyle needed to hunt and forage, is protective for chronic quality, quantity and ethically acceptable food consumed by children under 18 years and other family members (FAO MODERATEL INSECURE 24% +/- 1.6 INSECURE 34% +/- 1.7 SEVERELY F000 FOOD FOOD SECURE 42% +/-2.1

OFTEN

10%

20%

30%

40%

21%



measurement tool was applied using the version that was adapted for Canada (Health Canada, 2007, pp. 45-49) from the US Food Security Survey Module, Bickell, Nord, Price et al. 2000). The 18 validated questions about food

To measure the food security status of households in communities, a simple and scientifically grounded

To determine the children's food security rates in households in Northern Manitoba communities

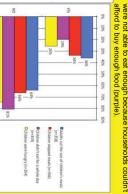
food has the potential to spread diseases from the animal to humans through the consumption of animal meat These public health restrictions are partially because of health concerns. Wild game associated use for traditional restaurants or stores or even provided free to pubic facilities (hospital, health centre, schools) for institutional use.

METHODS

**OBJECTIVE** 



seholds where adults relied on a



MODERATELY FOOD INSECURE

moderately (red) and severely (purple) food insecure compared by communities. Numbers in bracket represent the number of seholds that were interviewed with children that were meals were restricted in size (blue), skipped (red) children were hungry (yellow) children didn't eat for a whole day (purple) and Figure 5. Percent of households where children's

moderately and 24% severely equals 58% total with 2% confidence intervals) (Figure 1). Across communities the total rate of food insecurity of household children ranged from 10% in Ilford to 88% in Granville Lake (Figure 2). Households with severely food insecure rates for children were lowest, at zero, in Ilford and Thicket Portage and

Almost two-thirds of children at 58% +/- 2% in northern Manitoba households were food insecure (n=463, 34%)

- Households relied on only a few kinds of low-cost food to feed the children because they were running out of money to buy food 62% of the time (21% of the households were often and 41% sometimes).

The responses in 14 communities are summarized in Figures 4 and 5. The findings are:

Lake First Nation and South Indian Lake First Nation. Lack of road access seems to elevate the rate of overall food

munities, of which three are fly-in:Brochet/Barrens Land First Nation, Garden Hill First Nation, Red Sucker Lake (53%). Greater than 40% of households with children were severely food insecure in

insecurity by 20% in households with children (Figure 3)

Six out of ten household meals did not always contain all of the food groups (often 19% and sometimes 44% =

in 14 communities. In most of these 14 communities we surveyed 50 homes. Many communities had small sample sizes because the population was limited, which resulted in the entire population being sampled in Granville Lake, elflord. Thicket Portage and Wart Lake. However, for Wasagamack the sample is small and unrelated to the population size and caution should be taken in interpreting the results for this community.

A survey of 534 households, of which 463 had children, in northern Manitoba was undertaken in the summer of 2009 security and ten questions that measure adult food security. Also questions about traditional food use were asked. security as experienced and reported by household members has eight questions that consider children's food

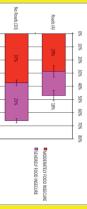


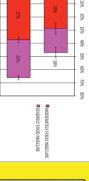
Figure 3: Percent of households with children that were moderately (red) and severely (purple) food insecure with 95% confidence (weighted by sample size of communities with

One third of children skipped meals (34%) because there wasn't enough money for food, with 11% often skipping meals and another 11% some but not every month, and 13% skipped meals only one or two months in the last 12

One in four households had children who going hungry (26%) because the household couldn't afford more food. One in five households contained children who had not eaten for a whole day (19%) because there wasn't enough - A lack of food, and a lack of money to buy more food, caused approximately one third of households to cut the size

Six out of ten children were not able to eat enough because households couldn't afford to buy enough food (17%

often and 44% sometimes = 61%) (Figure 5)



community number in brackets) compared by road access.

### northern Manitoba community members