empac





mini-MBA capstone project presentation April 27, 2018

Most important issue facing Canada?

Most important issue facing Canada?

Climate change?



Education?



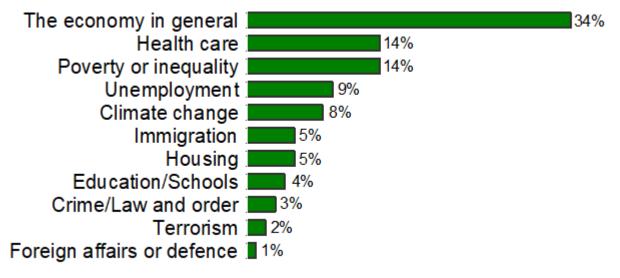
Housing?



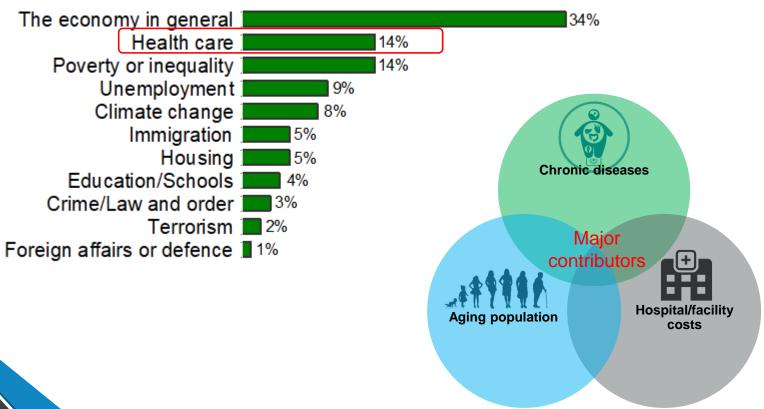
Unemployment?



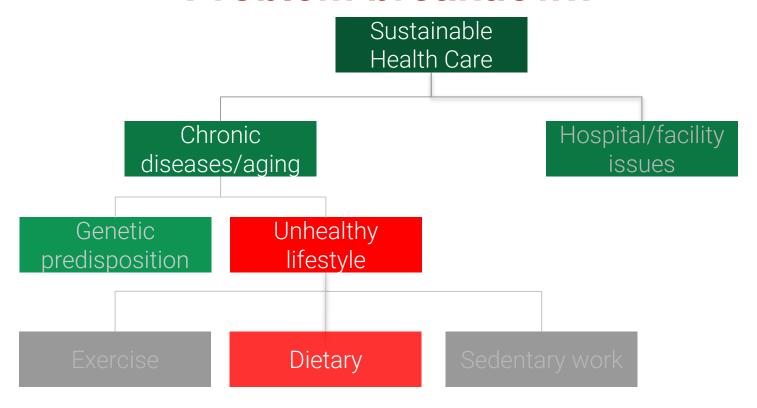
Healthcare is the second most important issue facing Canada

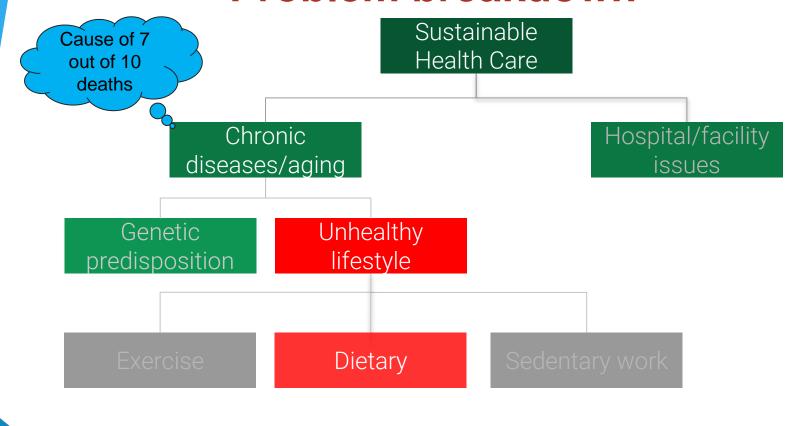


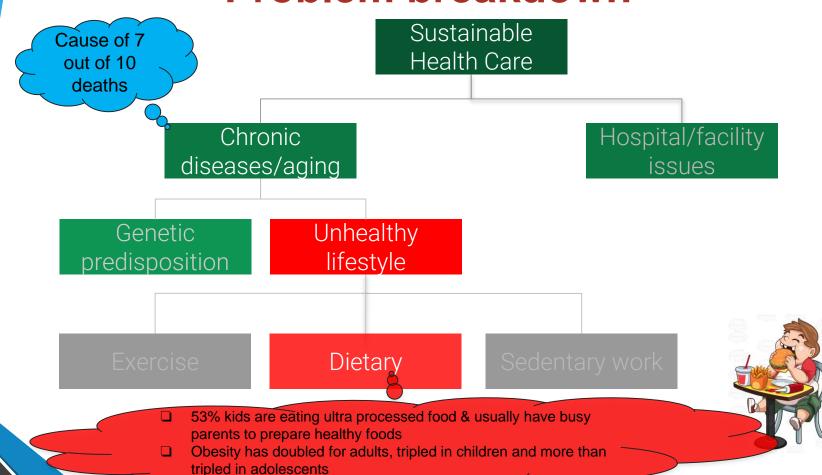
Healthcare is the second most important issue facing Canada



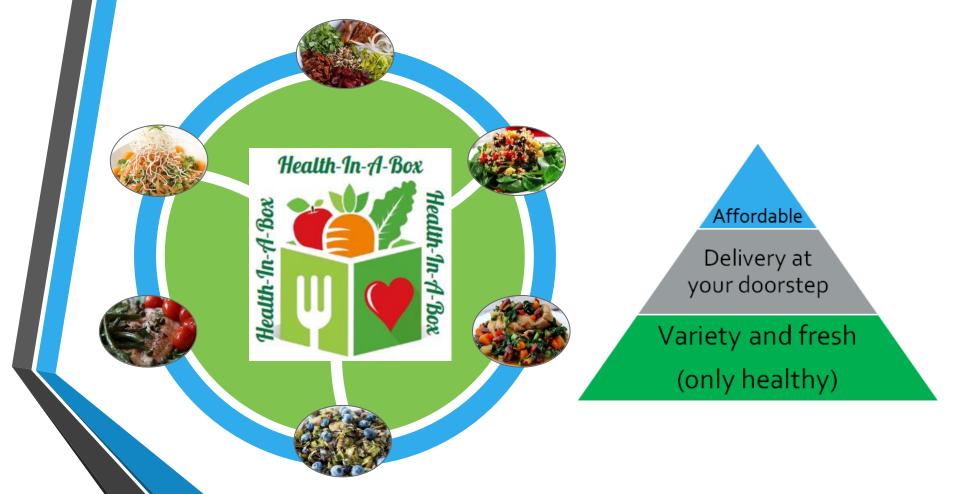
Source: ABACUSDATA







We have a solution!



Health-In-A-Box Menu - Mix & Match

Mains (Choose any 1)

- A. Quinoa macaroni & Cheese
- B. Chicken wrap
- C. Turkey meatball
- D. Black beans pita
- E. Pork + cabbage gyoza/dumpling
- F. Egg + cheese + mushroom omelet
- G. Whole wheat nut butter sandwich
- H. Curry rice

Sides (Choose any 2)

- 1. Broccoli
- 2. Fresh corn kernel
- 3. Sliced banana
- 4. Dried raisins
- 5. Green beans
- 6. Grape tomato
- 7. Mashed sweet potato
- 8. Mixed nuts
- 9. Peas















Affordable health at your doorstep!!

0-4 Meal Boxes

\$4 / Box

5-15 Meal Boxes

\$3.5 / Box

>15 Meal Boxes

\$3 / Box

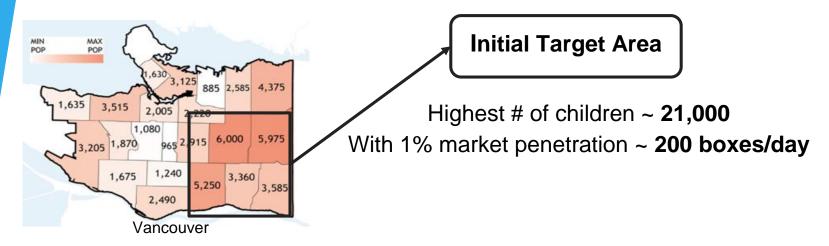
Encouraging customers to buy more meal boxes at a time

We <u>deliver</u> meal boxes every Sunday and Wednesday evening Health-In-A-Box



Market analysis

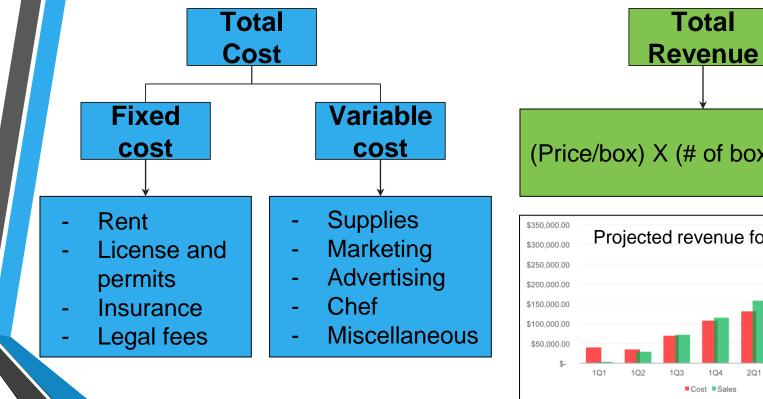
Target age group: 6-14

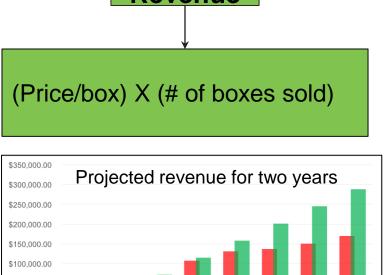


We expect to penetrate the market through our <u>outreach</u> and <u>advertising</u> schemes (e.g. social media, referrals, farmers markets, paid advertising)

Source: City of Vancouver

Cost and revenue analysis





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^{*}Estimated for an increase of 300 boxes per quarter



Lookout for us, **Health-In-A-Box** is coming to your **HOMES** very soon...

Thank you for listening to



Questions and Discussions...



Supplementary Slides

Health-In-A-Box













Competition Landscape Analysis	Health- in-a-box	Foodie kids	Nourish	Well-fed	Whole foods/ Safeway
Price	\$	\$	\$\$	\$\$	\$\$-\$\$\$
Home delivery	✓	Х	✓	√	✓
Fresh food	✓	√	✓	Х	✓
Food kids will love (food made for kids)	✓	✓	√/X	√/X	√/X
Customizable	✓	Х	Х	Х	Х
Flexibility in subscription	✓	X	✓	Х	Х

Target region, market and cost analysis

South Vancouver has the around 21,000 kids between ages 8-14

Fixed costs per month

Legal fees (\$700)

Rent (\$1,000)

Permits and licenses (\$1000)

Insurance (\$700)

Variable costs

Supplies (\$1.50 per box)
Marketing (\$1000)
Miscellaneous

~ \$13,500 per month

Revenue

Market size (1%): 200 boxes / day

Average 3 boxes per week per kid

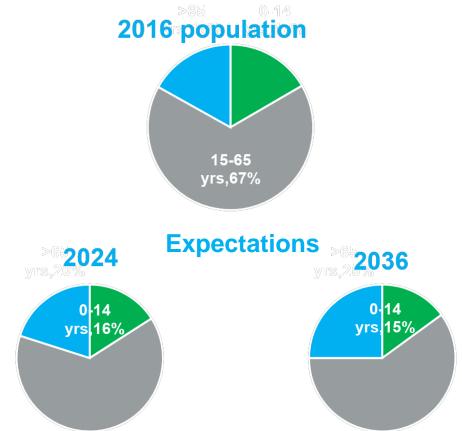
Number of boxes per month: 2400

~ \$9,600 for the month (from Q2)

Estimated financial needs in the first three months of business

Start-up costs (first 3 months)					
Rent (for 3 months)	\$4,000				
Supplies (3 months)	\$18,000				
Permits and licenses	\$3,000				
Insurance	\$2,000				
Advertising/promotional expenses	\$3,000				
Legal fees	\$2,000				
Miscellaneous (Ordering and payment technology, internet, phone services, gas, part-time chef)	\$8,000				
Total	\$40,000				

Aging population



The aging of Canada's population is anticipated to cause a major impact on the country's economy, social club and health care system over the next 25 to 30 years.

Chronic diseases





MEDICAL EXPENSES ARE THE #1 CAUSE OF BANKRUPTCIES



1 in 3 children born today will develop diabetes in their lifetime (1 in 2 Latino children).



Health care costs for a person with one or more chronic conditions ARE FIVE TIMES HIGHER COMPARED TO INDIVIDUALS WITHOUT A CHRONIC DISEASE.







OBESITY IN ADULTS HAS **DOUBLED** IN THE LAST 20 YEARS, **TRIPLED** IN CHILDREN AGES 2-11, AND **MORE THAN TRIPLED** IN CHILDREN AGES 12-19.

OVERWEIGHT AND OBESITY ARE THE BIGGEST PUBLIC HEALTH THREATS OF THIS CENTURY, CAUSING UNPRECEDENTED INCREASES IN THE RATES OF DIABETES, HEART DISEASE, OSTEOARTHRITIS, AMONG OTHERS.

COSTS OF CHRONIC DISEASE

CHRONIC DISEASES ACCOUNT FOR

*3 of every *4

SPENT ON HEALTHCARE

\$7,900

WITH A CHRONIC DISEASE.



EVEN WITH HEALTH INSURANCE, CHRONIC CONDITIONS CAN POSE A SIGNIFICANT FINANCIAL BURDEN, PARTICULARLY WHEN WORK IS AFFECTED SINCE THEY ARE FREQUENTLY LONGSTANDING, PEOPLE WITH CHRONIC CONDITIONS ARE ALSO AT HIGH RISK FOR DEPRESSION, ANXIETY, MARITAL AND FAMILY DISCORD AND FINANCIAL BURDEN. ABOUT 25%
OF PEOPLE WITH A
CHRONIC DISEASE HAVE
SOME TYPE OF ACTIVITY
RESTRICTION, e.g.,
MOBILITY, PERSONAL
CARE, WORK OR
SCHOOLING.

PEOPLE WITH CHRONIC DISEASES ARE AT HIGHEST RISK OF MEDICAL ERRORS AND DUPLICATED OR UNNEEDED SERVICES.

MUSI DISABILITY AND PREMAIURE DEATHS IN U.S. ARE CAUSED BY CHRONIC DISEASES SUCH AS DIABETES, CANCER, AND HEART DISEASE.

Break down of healthcare costs associated with chronic diseases



Risk Factors and Chronic Diseases

	Cancers	Hypertension	Diabetes (type 2)	Atherosclerosis	Obesity	Stroke
Dietary Risk Factors						
Diets high in added sugars					1	
Diets high in salty or pickled foods	/	/				
Diets high in saturated and/or trans fat	1	1	1	/	1	/
Diets low in fruits, vegetables, and other foods rich in fiber and phytochemicals	1		1	V	1	1
Diets low in vitamins and/or minerals	/	/		/		
Excessive alcohol intake	1	1		/	1	1
Other Risk Factors						
Age	/	/	1	/		1
Environmental contaminants	1					
Genetics	/	1	/	✓	1	1
Sedentary lifestyle	1	1	1	/	1	1
Smoking and tobacco use	/	1		1		1
Stress		1		1		1

Source: Nutrition Concepts and Controversies

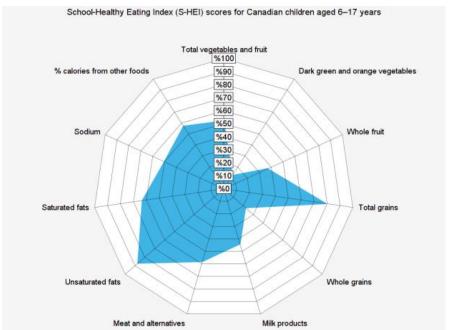
Why school kids?



ARTICLE

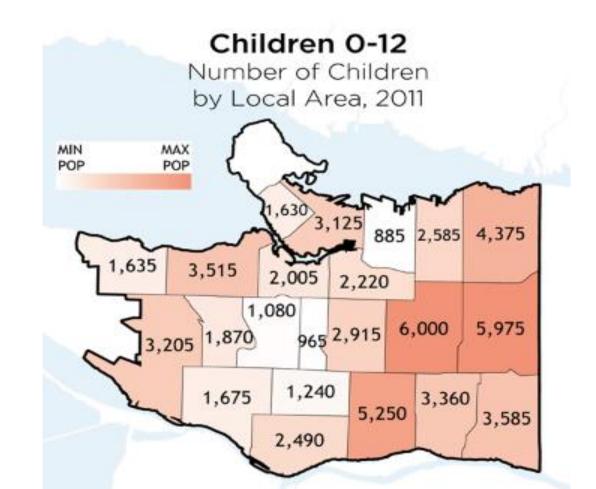
Examining school-day dietary intakes among Canadian children

Claire N. Tugault-Lafleur, Jennifer L. Black, and Susan I. Barr

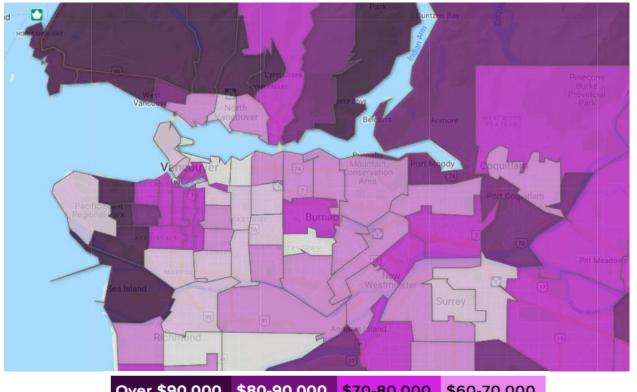


School-going kids in Canada between age 6-17 are eating unhealthy at school according to a study by scientists at UBC. The food quality eaten by school-going kids is given a score of 53.4 out of 100.

Number of kids in different regions of Vancouver



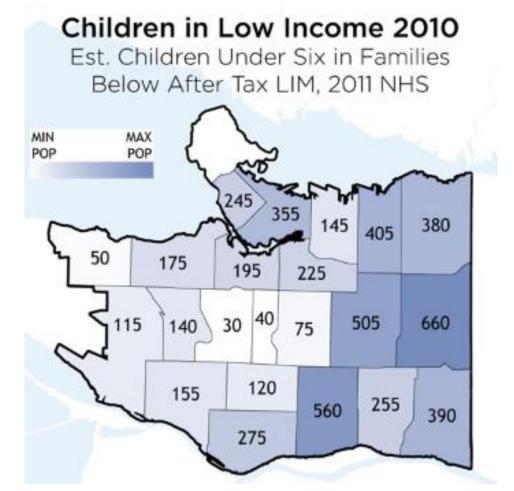
Map of Greater Vancouver based on income



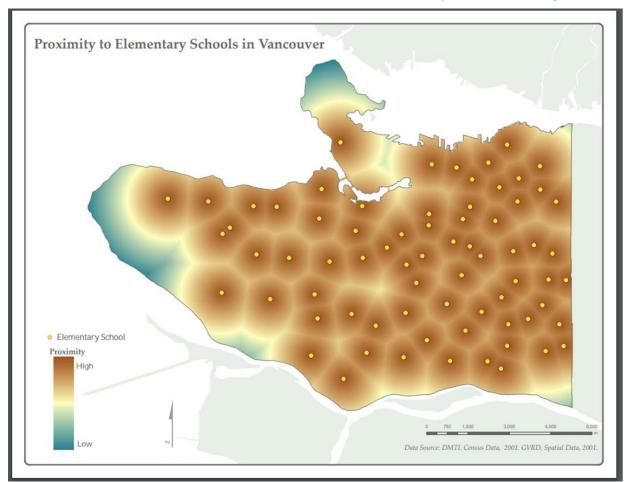
Over \$90,000 \$80-90,000 \$70-80,000 \$60-70,000

\$50-60,000 Under \$50,000

Children from low-income families in different regions



Map of Greater Vancouver based on proximity to schools



Box 1

Chickpeas and broccoli Chicken Banana slices



Box 2

Carrots and celeries Lamb Apple slices



Box 3

Green beans and tomato Fish **Strawberries**



Box 4

Brussel sprouts and peas Pork **Blueberries**



Box 5

Lentils and basil Cranberries



Box 6

Quinoa and Spinach Watermelons Sweet corn



Box 7

Red beans and kale with macaroni Melons Cupcakes



Box 8

Rice and lettuce with cheese Oranges



All the dishes are seasoned with lime, salt, pepper

Health-in-a-box!

- Provide healthy lunch options for kids.
- Deliver lunch boxes to parents (home delivery) twice a week.
- Parents get to choose out of a variety of options on a weekly basis.









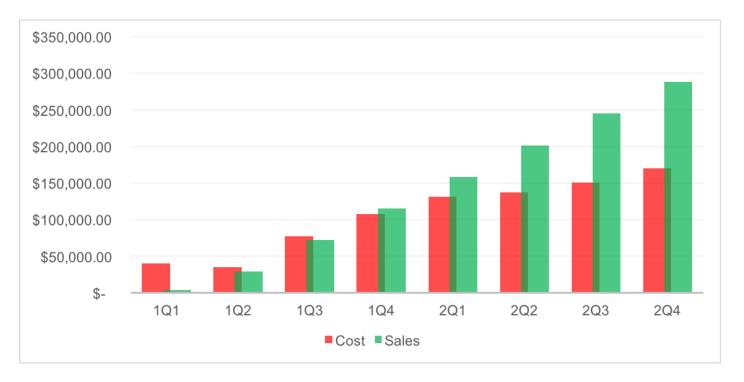
Estimated cost is ≤ \$1.5 per meal Box A - Quinoa macaroni cheese

Main				Sides			
A. Quinoa mac & cheese	Price/kg or L(\$)		Costs (\$)	1. Broccoli	Price/kg or L(\$)		Costs (\$)
macaroni pasta	1.2	56 g	0.0672	broccoli	3.97	70 g (1/2 cup)	0.28
quinoa	16.6	10 g	0.166				
butter	10.9	2.8 g	0.03	2. Sweet corn			
milk	1.1	60 mL	0.066	sweet corn kernel	3.86	70 g (1/2 cup)	0.27
broth	1.9	30 mL	0.057				
shredded cheddar	12.4	35 g	0.434				
salt and pepper							
Food cost per meal	\$1.3702						
Container	\$0.05						
Cutlery	\$0.05						
Total cost per meal	\$1.4702						

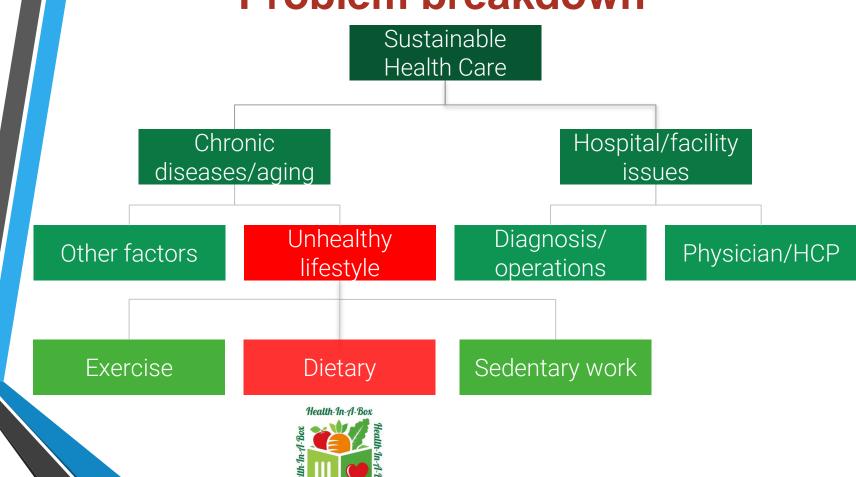
Estimated cost is ≤ \$1.5 per meal Box B - Chicken wrap

_					•			
N	Main				Sides			
E	3. Chicken wrap	Price/kg or L(\$)		Costs (\$)	3. Sliced banana	Price/kg or L(\$)		Costs (\$)
c	chicken thigh	4.97	1 cup (70 g)	0.3479	banana	1.43	70 g (1/2 cup)	0.1
v	vhole wheat tortilla	4.34	1 tortilla (40g)	0.1736	4. Dried raisin			
le	ettuce	6.4	10 g	0.064	dried raisins	6.61	30 g	0.198
b	oroth	1.9	30 mL	0.057				
s	sliced cheddar	10	1 slice (22 g)	0.22				
s	alt and pepper							
	Food cost per neal	\$1.1605						
C	Container	\$0.05						
C	Cutlery	\$0.05						
	Total cost per neal	\$1.2605						

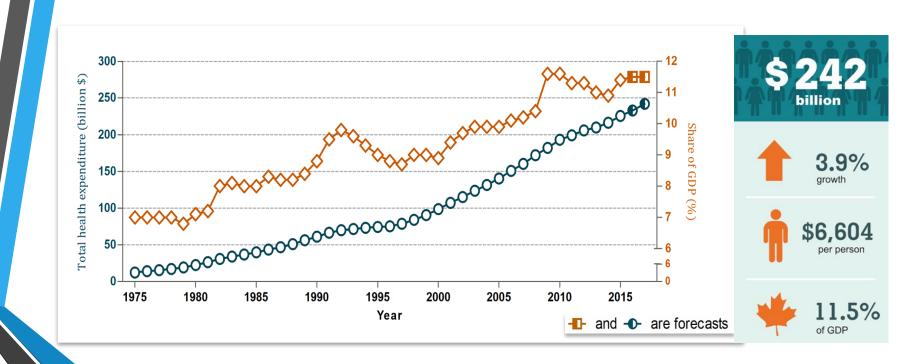
Projected Finances (2 years)



*Estimated for an increase of 300 boxes per quarter



Total health care spending in Canada

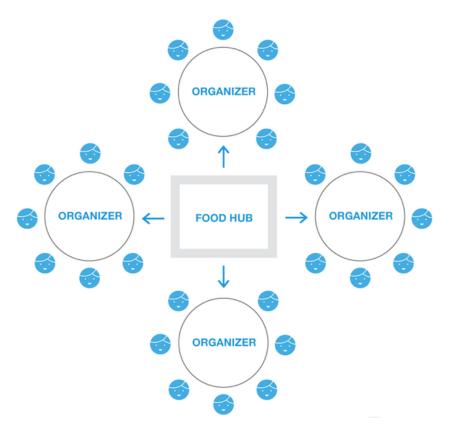


Reachout strategies

- Social Media Outreach
 Facebook ads, Instagram, Youtube, twitter, Linkedin, Flickr
- Media attention through interviews with local newspapers and community radio stations
- Booth at Farmer's Markets
- 3. Community events and newsletters
- 4. Blogs
- 5. Teacher-Parent nights
- 6. Promotions on subscriptions, coupons, other incentives

\$15 OFF on your first food order!

Decentralized Delivery Network



Marketing

Website

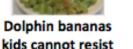
Facebook



Email

community events

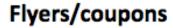






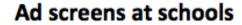








+ referrals









Search ads Display ads Video ads App Ads

How to measure impact (percentage of kids that eat over processed foods)

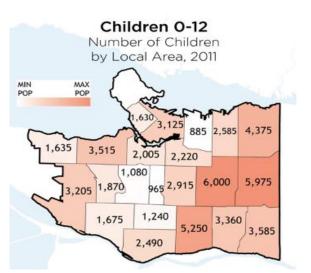
This is the link: https://globalnews.ca/news/3898015/canada-kids-processed-food/

Some stats:

- -children aged 9 to 13 (Gr.4 8) are the largest consumers of ultraprocessed/nutritionally lacking products, which account for 57 % of their daily calories.
- -In fact, Canadians are the second largest buyers of ultra-processed foods and drinks in the world (second only to the U.S.), and for the first time, we have children who have spent their entire lives eating diets high in these foods.
- -nationwide health issues like obesity (12% of kids and teens, and 26.7% of adults are obese) and heart disease (25.1 % of adults are hypertensive and 8.5% have ischemic heart disease)

Market analysis

Map of Vancouver and the distribution of kids



Vancouver				
British Columbia				
[Census metropolitan area]				

Characteristic	Total	Male	Female
0 to 14 years	362,110	186,780	175,335
0 to 4 years	116,270	60,045	56,225
5 to 9 years	122,735	63,390	59,345
10 to 14 years	123,110	63,340	59,765

We expect to attract 1% of Vancouver's student population aged 0-14 through our **outreach** and **advertising** schemes Therefore, market size is 3600