

M A S E S Project Day 2019

Surgery And Society

'OPERATION'-alising the evidence to dismantle structural barriers to pediatric care at BCCH



Principal Investigators:

Dr. Christine A. Loock^{1,2} Dr. Douglas Courtemanche^{1,2} Mr. Damian Duffy² **Co-Investigators** Tanjot Singh, UBC Med 3¹

Bonnie He, UBC Med 2¹ Ethan Ponton, McGill Undergrad³ Dr. Andrew MacNeily^{1,2} Dr. Robert Baird^{1,2} Ms. Rebecca Courtemanche^{1,2}



1. University of British Columbia 2. British Columbia Children's Hospital 3. McGill University





Social Pediatrics is about who we aren't seeing.



It takes a village.

Solutions to inequities in health include responsive, interdisciplinary services plus access to 'RICHER' supportive environments that will foster resiliency and build social capital.

Nurture trumps nature every time.



Put down the self-help books. Resilience is not a DIY endeavour.



"The science of resilience is clear: The social, political and natural environments in which we live are far more important to our health, fitness, finances and time management than our individual thoughts, feelings or behaviours. When it comes to maintaining well-being and finding success, environments matter. In fact, they may matter just as much, and likely much more, than individual thoughts, feelings or behaviours."

> Michael Ungar, Canada Research Chair in Child, Family and Community Resilience, Dalhousie University CONTRIBUTED TO THE GLOBE AND MAIL PUBLISHED MAY 25, 2019 https://www.theglobeandmail.com/opinion/article-put-down-the-self-help-books-resilience-is-not-a-diy-endeavour

In Canada...

- ~1 in 6 children (16.8 %) live in poverty.
 - 1 in 2 children with disabilities live in poverty.
 - 1 in 2 Status First Nations children live in poverty.



Low SES → higher rates of infant mortality, mental health issues, among other adverse outcomes, and experience poorer adult health Low income homes receive:

- more acute care
- less preventative care



In British Columbia...

~1 in 5 children (18.7%) live in poverty. BC has the highest provincial child poverty rate.

Background/Objectives

Background: To date, there had been limited to no study of SDoH or ACES for pediatric age surgical patient populations.

Objectives:



2. To explore what healthcare professionals at BCCH can do to mitigate the impact of social and financial challenges that pediatric patients and their families may face.



Methods

Quality Improvement Study Survey - 30 Questions

Participants: Convenience sample of families at BCCH (N=610)

10 Ambulatory Surgical Clinics (25 families/clinic)

- 1. Cerebral Palsy [Ortho]
- 2. Dentistry
- 3. ENT
- 4. General Surgery
- 5. Neurosurgery
- 6. Ophthalmology
- 7. Ophthalmology [RICHER]
- 8. Orthopedics
- 9. Plastics
- 10. Urology

3 MDT Clinics (12 months)

- 1. Cleft / Craniofacial
- 2. VIP
- 3. Spinal Cord

ACES Optional



A. Of the statements below, how many apply to your child? Write the total number in the box.

At any point since your child was born ...

-Your child's parents or guardians were separated or divorced.

-Your child lived with a household member who was depressed, mentally ill or attempted -suicide.

-Your child lived with a household member who served time in jail or prison.

-Your child saw or heard household members hurt or threaten to hurt each other.

-Your child lived with someone who had a problem with drinking or using other drugs.

-A household member swore at, insulted, humiliated, or put down your child in a way that scared your child OR a household member acted in a way that made your child afraid that s/he might be physically hurt.

-Someone touched your child's private parts or asked your child to touch their private parts in a sexual way.

-More than once, your child went without food, clothing, a place to live, or had no one to protect her/him.

-Someone pushed, grabbed, slapped or threw something at your child OR your child was hit so hard that your child was injured or had a bruise or a mark.

-Your child often felt unsupported, unloved and/or unprotected.

Social

- While almost all families had a primary care provider (n=366, 94.3%), only 76.9% (n=321) reported being able to turn to them for assistance.
- One third (30%, n=360) of participants identified as a visual/cultural minority.



Economic

- Half of families reported having difficulty making ends meet (n=364, 53.3%). •
- Twenty-three percent of families had an income below \$40,000, with \$37,542 ٠ being the Canadian Poverty Line (2015).

Have you completed your tax forms to



Poverty Rates at BCCH (n=566) Compared to BC and Canada



BC/Canada stats from the 2018 BC Child Poverty Report Card

Adverse Childhood Experiences

- Sixteen percent of children in our study had an ACE score of 4 or more (≥4) (16%, n=282), compared to the US national average of 12.5%, where ACE scores ≥4 are significantly related to poorer health outcomes.
- We found a significant difference in mean ACE scores between income brackets (ANOVA, P=0.0005, n=265), with those of the lowest income having the highest mean ACE score (mean=2.25).

1 in 6 children had an ACE score of 4 or greater Lowest income bracket had highest number of ACEs







How many people you have to turn to vs. Mean number of ACEs



Our sample provides a representative snapshot of who sits in our waiting rooms

13

7

4

6

01 3 2

~60% come from the lower mainland (Vancouver + Fraser Health Areas)

5

postal codes: 3 digits only

Alberta

1

What types of information do you think might assist you in your child's health journey? (n=610)



Remember "Fours"...

- 1. While the majority of our patients report having a primary healthcare provider, one in 4 can not turn to them for assistance.
- 2. Patients who don't believe they have an adequate social network have fewer than 4 people they can turn to in times of stress.
- 3. Approximately 1 in 4 of our families live below the BC poverty line.
- 1 in 6 patients have an ACEs score of 4 or more [only 1 in 4 families skipped the ACE question].



Project Day 2019

PHSA Engagement & Outcomes

- Staff Engagement: We are learning more about the "real time" vulnerabilities that families in our Children's Hospital waiting rooms are experiencing, allowing our staff to participate in solutions to address these inequities.
- **Staff Training:** In partnership with the Social Pediatrics Program at BCCH, OPSEI has hired a summer student for 2019 to expand and develop a shared "SDoH Curriculum for Surgery and Society" to support all trainees and staff in the Department of Surgery at BCCH.
- Clinician QOL: Feedback from hospital-based clinicians participating in this study suggests that being included in the design and implementation of quality improvement studies may offset and/or mitigate risks for future "moral distress" and professional "burnout".

Resources



Social Work Referral Form

	Unit area:			
NU/	onic area:			
	Name:			
HILDREN'S	Date of birth:			
HOSPITAL				
An agency of the Provincial	MRUN:			
Health Services Authority Social Work Referral-Consultation Services	Physician:			
	ـــــــــــــــــــــــــــــــــــــ			
Send to Fax: (604)875-2770 Phone: (604)875 REFERR				
Date of referral: clinic area:				
Referring person and position:				
Contact number & Email for referrer:				
Is referral urgent? Yes no				
Upcoming clinic visit date:				
PATIENT/FA	MILY CONTACT			
Parent(s)/guardian(s):	· · · · · · · · · · · · · · · · · · ·			
Relationship:				
Phone:				
Address:				
Email: IS THE FAMILY AWARE OF THIS REFERRAL? YE	ES NO R REFERRAL			
Email: IS THE FAMILY AWARE OF THIS REFERRAL? YE REASON FO Safety/Risk: Please Explain	ES NO R REFERRAL			
Email: IS THE FAMILY AWARE OF THIS REFERRAL? YE REASON FO	ES NO R REFERRAL lease Explain			
Email: IS THE FAMILY AWARE OF THIS REFERRAL? YE REASON FO Safety/Risk: Please Explain Psychosocial Assessment and Crisis Intervention: P Access to Resources: Urgent Non-Urgent	ES NO R REFERRAL lease Explain Please Explain			
Email:	ES NO R REFERRAL lease Explain Please Explain			
Email: IS THE FAMILY AWARE OF THIS REFERRAL? YE REASON FO Safety/Risk: Please Explain Psychosocial Assessment and Crisis Intervention: P Access to Resources: Urgent Non-Urgent	ES NO R REFERRAL lease Explain Please Explain			
Email: IS THE FAMILY AWARE OF THIS REFERRAL? YE REASON FO Safety/Risk: Please Explain Psychosocial Assessment and Crisis Intervention: P Access to Resources: Urgent Non-Urgent	ES NO R REFERRAL lease Explain Please Explain			
Email:	ES NO R REFERRAL lease Explain Please Explain			
Email:	ES NO R REFERRAL lease Explain Please Explain			
Email:	ES NO R REFERRAL lease Explain Please Explain			
Email:	ES NO R REFERRAL lease Explain Please Explain SSSIONAL SERVICE?			
Email:	ES NO R REFERRAL lease Explain Please Explain SSSIONAL SERVICE?			
Email:	ES NO R REFERRAL lease Explain Please Explain SSSIONAL SERVICE?			
Email:	ES NO R REFERRAL lease Explain Please Explain SSSIONAL SERVICE?			
Email:	ES NO R REFERRAL lease Explain Please Explain SSSIONAL SERVICE?			
Email:	ES NO R REFERRAL lease Explain Please Explain SSSIONAL SERVICE?			
Email:	ES NO R REFERRAL lease Explain Please Explain SSSIONAL SERVICE?			
Email:	ES NO R REFERRAL lease Explain Please Explain SSSIONAL SERVICE?			

Free and Low-Cost Food

FOOD-FREE If you know of changes / additions please contact the office at Carnegie Centre 401 Main St. 604-665-2274 Updated May 6, 2019

THURSDAY * = not confirmed ORGANIZATION WHAT'S OFFERED MONDAY TUESDAY WEDNESDAY FRIDAY SATURDAY SUNDAY **Carrall Street Church** 12:30pm Service & Meal 6:30pm 6:30pm 6:30pm 331 Carrall St. 604-684-3097 Families Only Food Bank *First Saturday of month breakfast @ 7am 11am Door is Open Lunch 11am 11am Distribution and Lunch 11am Noon 255 Dunlevy St. 604-669-0498 11 am Community Kitchen 10 -11:30 am Kids Community 9am -11am Chinese **Downtown Eastside Neighbourhood House** Breakfast 10am -11:30am (Everyone) 10am - 11:30am Women Kitchen 3:30 - 6:30nm 573 East Hastings St. 604-215-2030 Lunch 11:30am - 2pm 3:30pm - 6:30pm 3:30pm - 6:30pm Families Only **Families Only** Dugout 59 Powell St. 604-685-5239 Coffee/Soup/Bun 7:30am 7:30am 7:30am 7:30am 7:30am 7:30am 8:30am 8:15am 8:15am 8:15am Breakfast 8:15am 8:15am Depending on Depending on First United Church donations/sponsorship donations/sponsorship Lunch 12:00pm 12:00pm 12:00pm 12:00pm 12:00pm 320 East Hastings St. 604-681-8365 Snack (M-F) 2:00pm 2:00pm 2:00pm 2:00pm 2:00pm food may be available food may be available Food on the Corner Main and East Cordova Soup, Bread, Coffee, Sweets & Sandwiches 11:00am - Noon Friends of Hastings Fresh fruits / vegetables, Bread, Sweets, Tea 3:30 - 5:30pm Columbia St & East Hastings St. 604-916-4708 Harbour Light 119 East Cordova St. 604-646-6800 Lunch 11:00am - 11:45am 11:00am - 11:45 am 11:00am - 11:45am 11:00am - 11:45am 11:00am - 11:45am 4:15pm - 5:00pm 4:15pm - 5:00pm Closed for dinner on Wednesdays and Fridays of Cheque Week Dinner 4:15pm - 5:00pm 4:15pm - 5:00pm 4:15pm - 5:00pm 7pm holdogs, coleslaw, coffee, juice 11am hotdogs, colestaw coffee, juice Living Waters 782 E. Hastings St. 604-251-2493 Service and then Food Tickets given out at 8:00am Power Breakfast Charlie's SPCA **Mission Possible** PET FOOD BANK 9am / 10am 543 Powell St. 604-253-4469 10am - 2pm Coffee 12pm - 1:30pm Breakfast Noon - 1pm Noon - 1pm Noon - 1pm Noon - 1pm Noon – 1pm 10pm – 11pm Noon - 1pm Noon - 1pm 10pm - 11pm Potters Place 21 East Hastings St. 604-688-2968 10pm - 11pm 10pm - 11pm Lunch 10pm - 11pm 10pm - 11pm 10pm - 11pm Salvation Army Soup Truck 222 Main St. 604-525-7311 Soup/ Sandwich Treats 9:45pm - 11pm 9:45pm - 11pm Lunch 11am Lunch 11am Union Gospel Mission Drop In Lunch Lunch 11am Lunch 11 am Lunch 11am Lunch 11am Dinner 4pm Dinner 4pm 601 E. Hastings St. Enter on Princess St. 604-253-3323 Dinner 6:30pm Dinner 6:30pm Dinner 6:30 pm Dinner 6:30pm Dinner 6:30pm Dinner

Updated May 6, 2019

FOOD-FREE If you know of changes / additions please contact the office at Carnegie Centre 401 Main St. 604-665-2274

* = not confirmed ORGANIZATION	WHAT'S OFFERED	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
YOUTH ONLY FREE FOOD								
Directions Youth Services (Youth 24 Years and under on 1138 Burrard St. 604-633-1472 or 1-800-249-6884	(V) Hot Meals	8pm - 8:45pm	8pm - 8:45pm	8pm - 8:45pm	8pm - 8:45pm	8pm - 8:45pm	8pm - 8:45pm	8pm - 8:45pm
Covenant House Vancouver (Youth 24 Years and under only) 575 Drake St. 604-685-7474 or 1-877-685-7474	Hot Meals and Services	9:00am-12pm 3:30pm – 5:00pm 3* Monday of month: Women's Night 7:00pm - 9:00pm	9 00am - 12pm 2:00pm - 4:45pm 2** Tuesday of month LGBTQS Drop-in 6:30pm-8:30pm	9:00am - 12pm 2pm - 4:45pm	9:00am - 12pm 3:30pm - 5pm	9:00am -10:30am 10:30am-12pm (Women Only) 3:30 - 5pm		
WOMEN ONLY FREE FOOD								
Crabtree Corner YWCA (WOMEN ONLY) 533 East Hastings St. 604-216-1650	Lunch	2pm - 3:15pm	2pm - 3:15pm	Coffee 10:30am Soup & Bannock 12pm - 1:15pm	2pm - 3:15pm	Bagged lunch starts a 2pm	1	
Inner-City Women's Initiatives Society 441 East Hastings 604-687-5454	Dinner, Harm Reduction Supplies, Support and Referrals	5 – 6:30pm		4 – 5:30pm				
Door is Open (WOMEN ONLY) 381 East Cordova St. 604-669-0498	Breakfast Lunch			8:30am 11:30am				
Sheway 533 East Hastings St. 604-216-1699 (Pregnant Women Only - drug & alcohol)	Lunch *Except Stat Holidays	11:30am - 1:30pm	11:30am - 1:30pm	11:30am - 1:30pm	11:30am - 1:30pm	11:30am - 1:30pm		
WISH (Female Sex Trade Workers only) 330 Alexander St. 604-669-9474	Breakfast Hot Meal & Coffee Snack	7am - 9am 6pm - 8pm 10:30pm & 1:00am	7am - 9am 6pm - 8pm 10:30pm & 1:00am	7am - 9am 6pm - 8pm 10:30pm & 1:00am	7am - 9am 6pm - 8pm 10:30pm & 1:00am	7am - 9am 6pm - 8pm 10:30pm & 1:00am	7pm - 9am 6pm - 8pm 10:30pm & 1:00am	7am - 9am 6pm - 8pm 10:30pm & 1:00am
Women's Centre 302 Columbia st 604-581-8480	Breakfast Tue/Thu Only Lunch Movie (Popcorn is subject to availability)	12:30pm - 1:45pm 3pm (Snacks on Availability)	10am - 11:30am 12:30pm - 1:45pm 3pm (Snacks on Availability)	12:30pm - 1:45pm 3 pm (Snacks on Availability)	10am - 11:30am 12:30pm - 1:45pm 3pm (Snacks on Availability)	12:30pm - 1:45pm 3pm (Snacks on Availability)	12:30pm - 1:45pm 3pm (Snecks on Availability)	12:30pm - 1:45pm 3pm (Snacks on Availability)
	COST GROCERIES TRY: Do d Exchange 2020 Dundas St						WWW.QUESTOUTRE	ACH.ORG
Carnegie Centre 401 Main St. 604-665-2220	Breakfast \$ 2.00 Lunch \$ 2.25 Dinner \$ 3.25	9am - 11am 12pm - 4pm 5pm - 8pm	9am - 11am 12pm - 4pm 5pm - 8pm	9am - 11am 12pm - 4pm 5pm - 8pm	9am - 11am 12pm - 4pm 5pm - 8pm	9am - 11am 12pm - 4pm 5pm - 8pm	9am - 11am 12pm - 4pm 5pm - 8pm	9am – 11am 12pm - 4pm 5pm - 8pm
Evelyne Saller Centre aka "the 44" 320 Alexander St. 604-665-3075	Breakfast \$2.00 Lunch \$2.00	10am - 12pm 11am - 3pm	10am - 12pm 11am - 3pm	10am - 12pm 11am - 3pm	10am - 12pm 11am - 3pm	10am - 12pm 11am - 3pm	10am - 12pm 11am - 3pm	10am - 12pm 11am - 3pm

Const Report and Constrained	Dinner \$3.25	5pm - 8pm						
Evelyne Saller Centre aka "the 44" 320 Alexander St. 604-665-3075	Breakfast \$2.00 Lunch \$2.00 Dinner \$2.00	10am - 12pm 11am - 3pm 3pm - 5:50pm	10am - 12pm 11am - 3pm 3pm - 5:50pm	10am - 12pm 11am - 3pm 3pm - 5:50pm	10am - 12pm 11am - 3pm 3 - 5:50pm	10am - 12pm 11am - 3pm 3pm - 5:50pm	10am - 12pm 11am - 3pm 3pm - 5:50pm	10am - 12pm 11am - 3pm 3pm - 5:50pm
Gathering Place 609 Helmcken St. 604-665-2391	Breakfast \$2.00 Lunch \$2.75 Dinner \$3.25 / \$3.75	10am - 11:00am 12:00pm - 1:25pm 4:00pm - 5:25pm	10am - 11:00am 12:00am - 1:25pm 4:00pm - 5:25pm	10am - 11:00am 12:00pm - 1:25pm 4:00pm - 5:25pm				



Vancouver Food Asset Map



Housing/Lodging





BC Family Residence Program

To qualify for assistance with accommodation costs, families must:

- Be residents of B.C. and have medical insurance coverage under the Medical Services Plan of BC, and
- have a child who is receiving medical care at BC Children's Hospital or Sunny Hill Health Centre for Children, including premature babies and newborns with other health concerns, and
- live outside Metro Vancouver (50km)
 - Residents of Bowen Island and island communities within Electoral Area A are eligible for the accommodation subsidy due to the requirement of ferry travel
 - Essentially Abbotsford and beyond (past maple ridge).
- Need to have their home details, parents' names, day of the appointment, doctor, health care number.
 - Can have accommodation from 1 day before admission to 1 day after discharge (for a maximum of 30 days).
 - If two appointments are within 7 days, they can be covered for the time between appointments
 - Book as early as possible (limited space)
- 1-866-496-6946

Social Support



Parent Support Services of BC

- Support groups for parents or those in a parenting role
- Safe and Secure (hidden location)



Advocates for those with intellectual disabilities and family members who need assistance

- Educational program for employers
- Provides full or part-time support



Provides a list of support groups for all sorts of situations:

- People with certain diagnoses
- People living with a drug user
- Single mothers
- Women who have experienced violence
- Etc.

Transportation Support



Provides flights to specialist appointments

- Family income must be \leq \$65 000
- Family makes travel request online



Only flies between Vancouver Island and the Lower Mainland

- Passenger must be able to board plane with little/no assistance
- Family calls and gets assistance making a flight request
- No max income requirement



BC Travel Assistance Program (TAP)

Eligibility Requirements:

- Must be a BC resident enrolled in MSP
- Must have a referral from physician or nurse
- Travel expenses cannot be be covered by third party insurance
- Escort covered if patient is 18 years old or younger
- Clinic MOAs should have these forms (link to order and instructions on the OPSEI website)
 - Social Work will also have these forms

Air Transportation	Ground Transportation	Ferry Transportation
(-30%)	(-30%)	(-100%)
 Angel Flight (-100%) Central Mountain Air Harbour Air Helijet KD Air Pacific Coastal Airlines Seair Seaplanes 	• Via Rail	• BC Ferries

Mental Health









But remember that "resilience is not a DIY endeavour". It's all about relationships.

- "A positive attitude may be required to take advantage of opportunities as you find them, but no amount of positive thinking on its own is going to help you survive a natural disaster, a bad workplace or childhood abuse.
- Change your world first by finding the relationships that nurture you, the opportunities to use your talents and the places where you experience community and governmental support and social justice.
- Once you have these, your world will help you succeed more than you could ever help yourself."

Michael Ungar, Canada Research Chair in Child, Family and Community Resilience, Dalhousie University

CONTRIBUTED TO THE GLOBE AND MAIL PUBLISHED MAY 25, 2019





Ask about BEARS:



#Canada #BritishColumbia Great Bear Rainforest Hits a Screen Big Enough to Fit Its Grandeur | The Tyee

- Barriers
- Economic Status (SES)
- ACES
- Resiliency
- Social Capital





Surgery And Society

'OPERATION'-alising the evidence to dismantle structural barriers to pediatric care at BCCH





June 27, 2019

Thank You









MASES

Project Day 2019