

1. CALL TO ORDER

Call to Order – 2:34 P.M.

2. TERRITORIAL ACKNOWLEDGMENT

We acknowledge that this meeting takes place on the traditional, unceded territories of the Coast Salish peoples, including the x^wməθk^wəyəm (Musqueam), Sk̓wxwú7mesh (Squamish), Sel̓ílwitulh (Tsleil-Waututh), k^wik^wəłəm (Kwikwetlem) and Katzie Nations, on which we are privileged to live, work and play. Unceded means that these territories have never been handed over, sold, or given up by these nations, and we are currently situated on occupied territories.

3. ROLL CALL OF ATTENDANCE

3.1 Board Composition

President.....	Giovanni HoSang (via phone)
VP External Relations.....	Jasdeep Gill
VP Finance	Tawanda Chitapi
VP Student Services.....	Christina Loutsik
VP Student Life.....	Jessica Nguyen
VP University Relations	Shina Kaur
At-Large Representative	Maneet Aujla
At-Large Representative (Chair).....	Rayhaan Khan
Faculty Representative (Applied Sciences)	Nick Chubb
Faculty Representative (Arts & Social Sciences)	Jennifer Chou
Faculty Representative (Business).....	Andrew Wong
Faculty Representative (Communications, Art, & Technology)	Fiona Li
Faculty Representative (Education)	Emerly Liu
Faculty Representative (Environment)	Julian Loutsik
Faculty Representative (Health Sciences).....	Osob Mohamed
Faculty Representative (Science)	Simran Uppal

* Julian Loutsik arrived at 2:36 P.M.*

3.2 Society Staff

Executive Director	Sylvia Ceacero
SUB Project Assistant	Zoya Nari

3.3 Guests

Student.....	Phumlaphee Luckkid
The Peak Coordinating News Editor	Paul Choptuik

3.4 Regrets

VP External Relations.....	Jasdeep Gill
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4. RATIFICATION OF REGRETS

4.1 MOTION BOD 2019-06-27:01

Emerly/Maneet

Be it resolved to ratify regrets from Giovanni HoSang (internship) and Jasdeep Gill.

CARRIED AS AMENDED

- Amendment: add “Jasdeep Gill”

5. ADOPTION OF THE AGENDA

5.1 MOTION BOD 2019-06-27:02

Nick/Julian

Be it resolved to adopt the agenda as amended.

CARRIED AS AMENDED

- Discussion Items: Add 9.5 Project Expenditure Processes and 9.6 Mental Health Care Packages. Remove 9.3 T-shirts for the Fall Kickoff Committee
- New Business: 7.4 Chill N’ Grill BBQ
- Move the “Vaccination Presentation” to before “Approval of the Minutes”

6. PRESENTATION

6.1 Vaccination Presentation

- Refer to attachment
- The presenter went over the diseases where vaccines are available as well as the risks associated to every disease
 - It is noted that Canada is experiencing a return of past diseases
- There is a decrease in the number of older adults getting their vaccinations
 - The government monitors vaccinations in youth until the age of 18, however, there is no structure for older adults to get their vaccinations
- The government funds less than 1% on vaccines due to the continuous change in science
 - Some vaccinations come at a cost for people, while others are free of charge
- Board suggested that the vaccines should be available at all 3 SFU campuses
 - Only public funded vaccines would be available and a small availability of the privately funded vaccines
- The presenter’s goal is to have support from students and to have some volunteers
- Questions:
 - Is there a harm on doubling up on vaccinations since a lot of individuals do not have a record of all the vaccines they have gotten?
 - There is no harm on getting the same vaccines more than once, other than a Tetanus shot, which would cause some redness and itchiness on the arm
 - What kind of vaccines do International students get?
 - Health Professionals consider international students as having no vaccines unless they have documentations to prove otherwise

7. APPROVAL OF THE MINUTES

7.1 MOTION BOD 2019-06-27:03

Nick/Maneet

Be it resolved to receive and file the following minutes:

- Board_of_Directors_2019_06_13

CARRIED

8. NEW BUSINESS

8.1 Accessibility Committee At-Large Appointments – MOTION BOD 2019-06-23:04

Emerly/Christina

Be it resolved to appoint Andrew Araneta, Vivian Ly, Anastasiia Lozitskaia, and Mikaela Basile as student at-large members on the SFSS Accessibility Fund Committee for the Summer 2019 semester.

CARRIED

8.2 Surrey Campus Committee At-Large Appointments – MOTION BOD 2019-06-27:05

Nick/Julian

Be it resolved to appoint Andy Wang, Megan Holmes, Pranjal Biswas, and Rahul Singh Parmar as student at-large members on the SFSS Surrey Campus Committee for the Summer 2019 semester.

CARRIED

8.3 Development Session – Board Fundamentals: Financial Governance – MOTION BOD 2019-06-27:06

Maneet/Tawanda

Be it resolved to invest \$750.00 from line 814/20 – Board Orientation, Retreat and Development, for the Board to receive the Board Fundamentals: Financial; Governance Training.

CARRIED

- To allow all Board members to understand why certain activities occur and the information that Board members are expected to know on the governance side of the society
- To hold Board members accountable for their decisions

8.4 Chill and Grill BBQ – MOTION BOD 2019-06-27:07

Jessica/Emerly

Be it resolved to approve up to \$976.12 for the July BBQ "Chill and Grill" event from line item 817/16.

CARRIED

- SFU does bi-weekly movie nights, however, it will be outside the AQ by the pond with a projector
- The Events committee will be providing BBQ at this upcoming event on July 26th

9. DISCUSSION ITEMS

9.1 Privacy Program

- The privacy program is to develop the requirements according to the BC provincial law
- The Society currently has a compliant and operational policy to retrieve valid consent from members but there is no procedure for privacy complaints

- This topic is to ensure Board members follow the privacy policies that are in place i.e. phone numbers from guests
- If Board members require any assistance as a Board member, they may contact the Executive Director

** Giovanni HoSang called in at 3:50 P.M. **

9.2 Costco Membership for SFSS

- It was suggested by the SFSS MSC, Events that it would be cheaper to purchase items in bulk from Costco instead of buying in chunks from other stores such as Wal-Mart
- Obtaining a Costco membership is an operational task, which would be for the Executive Director and SFSS staff to approve

9.3 Project Expenditure Process

- Minor expenditures for committee projects that are brought to the Board tend to delay events and/or expenditures in preparation for events
- Board budgets have now been implemented into SFSS staff budgets so that it does not need to be put as a motion at Board meetings
 - These Board budgets that been included in the SFSS staff budgets, are made exclusively for committee expenditures
- Committees will no longer need to bring forward motions to Board in order to approve a certain amount of money unless the budget is depleted
 - The committee will inform the Board of the approval of the project through the approval of the minutes
- Notes:
 - Members who read the minutes will not be able to know how much a committee spends on projects, just what projects the money will be spent on
 - Anything, including and above \$5,000, needs to be approved at the Board table, anything under that amount can be discussed at a committee meeting and taken out of the appropriate staff budget through the Executive Director's approval
- Only activities that are directed to students should be brought to Board as a discussion item to inform students how much was spent and what line item it came from (the money does not need to be approved at the Board table)
- Suggestion:
 - To provide a hyperlink in the minutes to find the minutes where the expenditure for projects were discussed
 - To include the dollar amount in Board minutes
- The Executive Director will be sending an emailing to Board the process which can be adjusted as time goes
 - This process is seen as a pilot project that may become a policy in the near future if found feasible

9.4 Mental Health Care Packages

- It is noted that the budget in the event proposal is higher than expected
- Suggestions:
 - To provide these Mental Health Care packages to students during exam periods

- To include an allergen warning on the box and pamphlets inside that include available resources for students
- It is noted that there are products at the Women's Centre and Out On Campus that is available to be included in the box
- Board members stated that all items should be branded and that it be announced on all the SFSS social media platforms
- A communication strategy is currently being drafted and will be brought to the Board at a later Board meeting

10. GUESTS Q&A

- The Peak asked:
 - Clarification on the date of the Chill and Grill
 - July 26th
 - Guests sharing private information in meetings
 - Guests will have to give consent
 - Committee minutes are not being posted
 - Not all committees have had at least 2 meetings where they approve the previous set of minutes before bringing it to the Board table

11. ANNOUNCEMENTS AND NOTICES

- Board Development Session - July 4

12. ATTACHMENTS

- Vaccination_Presentation.pdf
- Privacy_Management_Program_Plan.pdf
- Fall_Kickoff_T-shirts_Budget.pdf
- Costco_Membership_Budget.pdf
- Board_Fundamentals_Financial_Governance_Training_BN.pdf
- Kickoff_T-shirt_Quote_1-4.pdf

13. ADJOURNMENT

MOTION BOD 2019-06-27:08

Nick/Shina

Be it resolved to adjourn the meeting at 4:37 P.M.

CARRIED

PRIVACY MANAGEMENT PROGRAM PLAN

TABLE OF CONTENTS

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PREAMBLE

The Simon Fraser Student Society is bound by the *Personal Information Protection Act* (PIPA) and the B.C. *Privacy Act*. This Act is materially similar to Canada's *Personal Information Protection and Electronic Documents Act* (PIPEDA). In order to satisfy the requirements of PIPA, the SFSS must develop a privacy policy and program.

1. PROGRAM COMPONENTS

1.1 PROGRAM REQUIREMENTS

- a. Follow the Ten Privacy Principles:
 1. Identify Purpose
 2. Limit Collection
 3. Get Consent
 4. Limit Use, Disclosure
 5. Reasonable Security
 6. Be Accountable
 7. Be Open and Transparent
 8. Ensure Accuracy
 9. Right of Access and Correction
 10. Provide Recourse
- b. As per PIPA, the SFSS must:
 1. Identify PI that is in our control, including information not in our custody
 2. Identify reasonable purpose for collection, use or disclosure of PI
 3. Design compliant policy and procedures
 4. Design procedures to handle privacy complaints
- c. The SFSS must always receive valid consent when collecting personal information (PI).
 - PI is "recorded information about an identifiable individual other than business contact or work product information" – essentially, anything other than your work contact information and

- anything produced for and at your workplace that is not for personal use (be mindful of “grey areas”).
- d. Your role as the Board of Directors is identify what data you have control of that is PI and how it is both safeguarded and shared.
 - e. Remember – email is NOT secure. SFU Vault is a good alternative.

1.2 CHECKLIST

Requirement	Plan	Status
Privacy Officer	The Campaigns, Research, and Policy Coordinator named as the Privacy Officer as per Operational Policy CIP-13.	<input checked="" type="checkbox"/> Complete <input type="checkbox"/> In progress <input type="checkbox"/> Not started
Privacy Office	The organisation is not deemed large enough to warrant an entire Privacy Office.	<input checked="" type="checkbox"/> Complete <input type="checkbox"/> In progress <input type="checkbox"/> Not started
Personal information inventory <ul style="list-style-type: none"> What PI is held, where it is held, and how it is held Purpose of collection, use, disclosure of the PI 	An inventory of personal information will be conducted in each SFSS department, which will be moderated by the Privacy Officer.	<input type="checkbox"/> Complete <input checked="" type="checkbox"/> In progress <input type="checkbox"/> Not started
Policies <ul style="list-style-type: none"> Collection, use, and disclosure of PI, including requirements for consent and notification Access to and correction of PI Retention and disposal of PI Responsible use of information and information technology, including administrative, physical, and technological security controls and appropriate access controls 	Update the following policies: Board Policies: EL-5 & EL-1 (ED responsibilities), GP-3 (Board responsibilities), Operational Policies: CIP-13 (SFSS Privacy Policy). Create a new policy or policies in either of these policy documents, if necessary, to ensure PIPA compliance.	<input type="checkbox"/> Complete <input checked="" type="checkbox"/> In progress <input type="checkbox"/> Not started
Training and education requirements <ul style="list-style-type: none"> Mandatory for all new employees before they access PI and periodically thereafter Cover the policies and procedures established by the organisation 	Create a presentation for staff and Board. Examine the necessity of training for Council, Student Unions, Constituency Groups, and Clubs. Update staff and Board as appropriate if there are changes to the law or this program.	<input type="checkbox"/> Complete <input type="checkbox"/> In progress <input checked="" type="checkbox"/> Not started
Complaint-handling procedures	Create a procedure for handling privacy-related complaints. Develop a privacy breach and incident management response protocol	<input type="checkbox"/> Complete <input checked="" type="checkbox"/> In progress <input type="checkbox"/> Not started
Service provider management <ul style="list-style-type: none"> Provisions in contracts setting out the requirements of the service provider to ensure 	Create a contract/agreement that will outline the privacy protection standards the SFSS expects from service providers.	<input type="checkbox"/> Complete <input type="checkbox"/> In progress <input checked="" type="checkbox"/> Not started

<p>compliance with organisational policies and protocols</p> <ul style="list-style-type: none"> • Training and education for all service provider employees • The SFSS as a service provider – our interaction with SFU and FOIPPA 	<p>Examine the contract (if any) between the SFSS and SFU with regards to the provision of mail lists (SFU is bound by FOIPPA).</p>	
<p>External communications</p> <ul style="list-style-type: none"> • Provide communications with individuals about their privacy rights and the organisation's program controls • Provide records in accordance with PIPA and the Societies Act 	<p>Create a policy, in line with PIPA, the Societies Act and the SFSS By-laws for providing members with records that they request access to and have the right to examine</p>	<input type="checkbox"/> Complete <input type="checkbox"/> In progress <input checked="" type="checkbox"/> Not started

2. ONGOING PROGRAM ASSESSMENT AND REVISION

2.1 ASSESS AND REVISE PROGRAM CONTROLS

Requirement	Plan	Status
<p>Privacy audit</p> <ul style="list-style-type: none"> • Conduct an audit • Documents containing personal information must be destroyed after the purpose for which the PI is no longer being served by keeping it, and it is no longer necessary to keep the PI for legal or business purposes 	<p>Compare the timelines between the <i>Societies Act</i> and other relevant legislation that affects record retention at the SFSS</p> <p>Find a reasonable timeline for reviewing the privacy program, including document retention</p>	<input type="checkbox"/> Complete <input type="checkbox"/> In progress <input checked="" type="checkbox"/> Not started
<p>Privacy Officer requirements</p> <ul style="list-style-type: none"> • Monitor and update PI inventory • Review and revise policies • Review and modify training and education • Review and adapt breach and incident management response protocols • Review and fine-tune contracts with service providers • Update and clarify external communications 	<p>Create CRPC Standard Operating Procedures (SOPs) to cover these duties</p>	<input type="checkbox"/> Complete <input type="checkbox"/> In progress <input checked="" type="checkbox"/> Not started

Simon Fraser Student Society**BoD meeting:** June 27 2019**Presented by:** VP Finance**Subject:** Development session – Board Fundamentals: Financial Governance

Background:

At a prior Board meeting, the Board asked the Executive Director to investigate a potential workshop relating to financial governance (finance for the non-financial manager).

Vantage Point offers such workshop. Below is the summary of the workshop's content and of benefits.

The role boards and employees play in not-for-profit financial management is not always fully understood or appreciated.

This half-day session will introduce you to a wide variety of financial management strategies and discuss ways to implement financial management tools effectively.

You will walk away with a practical perspective as to what board should do and understand the different roles the board and the executive director (or employees) have with respect to proper financial management.

Program Benefits

- Identified strategies to implement current financial management best practices for your organization
- Increased clarity on the roles of board members vs. the roles of paid staff as they relate to financial management
- Increased confidence to carry out the fiduciary responsibilities within your role as board member
- Learning Outcomes
- By the end of this session you be able to:
- Understand the importance of good financial management systems in the not-for-profit sector
- Identify who is responsible for what role within financial management
- Apply financial management best practices to your organization, such as creating financial strategies, establishing budgeting processes, creating internal controls and reporting systems
- Proactively manage your financial reporting to align with standards set by the Canada Revenue Agency

Topics:

- The Benefits of Good Financial Management
- Creating a Clear Financial Strategy
- Robust Financial Performance Management and Reporting System
- A Responsible and Accountable Internal Environment
- Important Canada Revenue Agency Rules and Regulations You Need To Know

Cost

The cost for the 3 hours session is \$750,00.

Motion:

Be it resolved to invest \$750,00 from line 814 / 20- Board Orientation, Retreat and Development, for the Board to receive the Board Fundamentals: Financial Governance training.

Event Name: Chill n Grill Under the Stars

Event Proposal

Proposed

- **Date:** July 26, 2019
- **Time:** 7pm - 11pm
- **Location:** AQ pond (Reflection Pond)

Event Team Support

- **Portfolio Manager:** Andrew Araneta
- **Events Coordinators:**
- **Staff:** Dipto Chevan

Brief Description:

This event is for students to unwind and relax, and socialize during the cusp of the end of the summer semester. This is to work in tandem SFU movie nights. Board directors and event coordinators will be wearing SFSS t-shirts and grilling some food and handing out snacks and beverages. This will also act as a piece of engagement to students and Univercity residents to recognize the SFSS.

Other:

- **Expected attendance:** 200
- **Budget Attached:** Yes/No
- **Schedule or Table shifts:**

Time	Names
7:00-7:30pm	
7:30-8:00pm	
8:00-8:30pm	
8:30-9:00pm	
9:00-9:30pm	
9:30-10:00pm	
10:00-10:30pm	
10:30-11:00pm	

Costco Membership

Brief

We are looking to purchase a Costco membership for event supplies, as Costco is the cheapest location to buy stuff in bulk. SFSS events require materials in bulk.

Motion

Be it resolved to approve up to \$120.00 from budget line 817/16 to purchase a Costco membership for SFSS.

Budget

Executive Membership - \$120

Gold Star Membership - \$60

Dependent on which one SFSS is eligible for

Fall Kickoff T-Shirts

Brief

The Fall Kickoff Committee will be getting t-shirts made for ticket sales and tabelling. They may include the individuals' name, and position on the sleeve. The t-shirts will be red with the SFSS logo on the front and "Fall Kickoff Team 2019" on the back. The purpose of these t-shirts is to help the Fall Kickoff Committee stand out when they are selling tickets, as everyone has the generic black or white SFSS shirt.

Motion

Be it resolved to approve up to \$400.00 from budget line 816/16 to purchase t-shirts for the Fall Kickoff Committee.

Budget

SPORTS UNLIMITED: \$16 each + tax = $\$17.92 \times 21 = \376.32

COSTALREIGN.COM : \$17.45 per unit + tax (does not include sleeve) $\times 21 = \$410.42$

TSHIRT ELEPHANT: \$33 per shirt + tax (with sleeve) $\times 21 = \$776.16$

SPORTS UNLIMITED TOTAL: \$376.32

event name
event date

Attendees	Projected
ex: club execs	
ex: students	200
Total	200

Revenue		Revenue Per Person			Total Revenue	Notes
		Units	Unit Price	Projected	Projected	
1	Ticket Sales			3.00	600.00	
	\$2 voucher for food + snacks and drink	200	2.00	2.00	400.00	
	\$1 for just food	200	1.00	1.00	200.00	
2	Internal Sponsorship			0.00	0.00	
	SFSS Sponsorship			0.00	0.00	
	SFSS Core Funding			0.00	0.00	
3	External Sponsorship			0.00	0.00	
TOTAL REVENUE				3.00	600.00	

Variable Expenses		Cost Per Person			Total Cost	Notes
		Units	Unit Price	Projected	Projected	
<i>number of attendees). Below are examples of</i>						
1	Ex. Food			2.48	496.94	Most items are cheaper in person, costco website is weird
	hot dogs x 3 packs x 12 per packs	3	17.19	0.26	51.57	
	beef patties x 24	4	24.49	0.49	97.96	
	hot dogs buns x 12	8	6.69	0.27	53.52	
	burger buns x 12	8	6.69	0.27	53.52	
	cheese x 48 slices	3	13.89	0.21	41.67	
	microwave popcorn x 44 bags	3	16.69	0.25	50.07	
	variety chips pack x 50 bag	3	20.09	0.30	60.27	
	veggie/vegan option	4	22.09		88.36	
2	Drinks			0.54	107.09	
	water 40 500ml per pack	3	6.39	0.10	19.17	
	coke cans x 24 per pack	4	10.99	0.22	43.96	
	sprite cans x 24	4	10.99	0.22	43.96	
				0.00	0.00	
3	Other			0.00	0.00	
	ketchup x 2 per pack	5	9.69	0.24	48.45	
	mustard	5	8.19	0.20	40.95	
	plates	1	11.09	0.06	11.09	
	napkins , 1100 pieces	1	14.39	0.07	14.39	
	Raffle tickets used as vouchers for food	1	3.40			
TOTAL VARIABLE EXPENSES				3.02	604.03	

Fixed Expenses		Cost Per Person			Total Cost	Notes
		Units	Unit Price	Projected	Projected	
<i>Expenses that do not change no matter what.</i>						
1	Ex. Rent			0.00	0.00	
	BBQ cooker	1	106.25	106.25		
	flipper	1	1.70			
	tong	1	1.70			
2				0.00	0.00	
	gas tank	1	30.00			
	delivery		60.00			
3				1.00	199.65	
				1.00	199.65	
TOTAL FIXED EXPENSES				1.00	199.65	

GST (5.00%)		5.00%	0.20	40.18
PST (7.00%)		7.00%	0.07	13.98

TOTAL EXPENSES			4.29	857.84
CONTINGENCY (10.00%)				943.62

There was a glitch total is 972.72

Net Deficit			-1.29	-257.84
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 Add another color

SUMMARY

PRODUCT	Heavy Cotton T-Shirt
COLOR	Red
QUANTITY	21
COLOR COUNT	
Front: N/A - Digital Print, Back: 1, Left Sleeve: 1, Right Sleeve: 0	
NAMES & NUMBERS	
Total: Names(s) and Number(s) on Items(s)	

Continue Designing

SUBTOTAL	C\$693.05
AVERAGE PER	C\$33.00
*Estimated Total Does Not Include Shipping	

Update Quote

Buy Now

* If any product is out of stock we reserve the right to replace the item with equal or higher quality comparable item without

 Chat with us

Basic T-shirts

★★★★★ 4.1 | 107 Reviews

Custom designs. Great value.

- Best for giveaways, promotions and events
- 100% lightweight cotton (Ash and Heather colors made from cotton blend)
- Full-color backside print for Black, White and Ash
- Tear-away neck label for added comfort

For a higher-quality option see [Premium T-shirts](#).



Gender

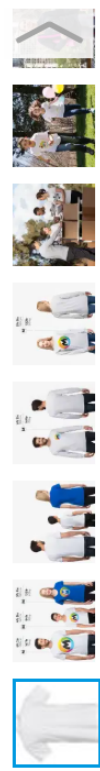
Men

Women

Kids

Color (7)

Please make a selection



Style

**BEFORE IT'S TOO
LATE: Exploring
the Unmet Need
of Protecting
Adolescents
and Young
Adults Against
Vaccine
Preventable
Diseases...**



Biography

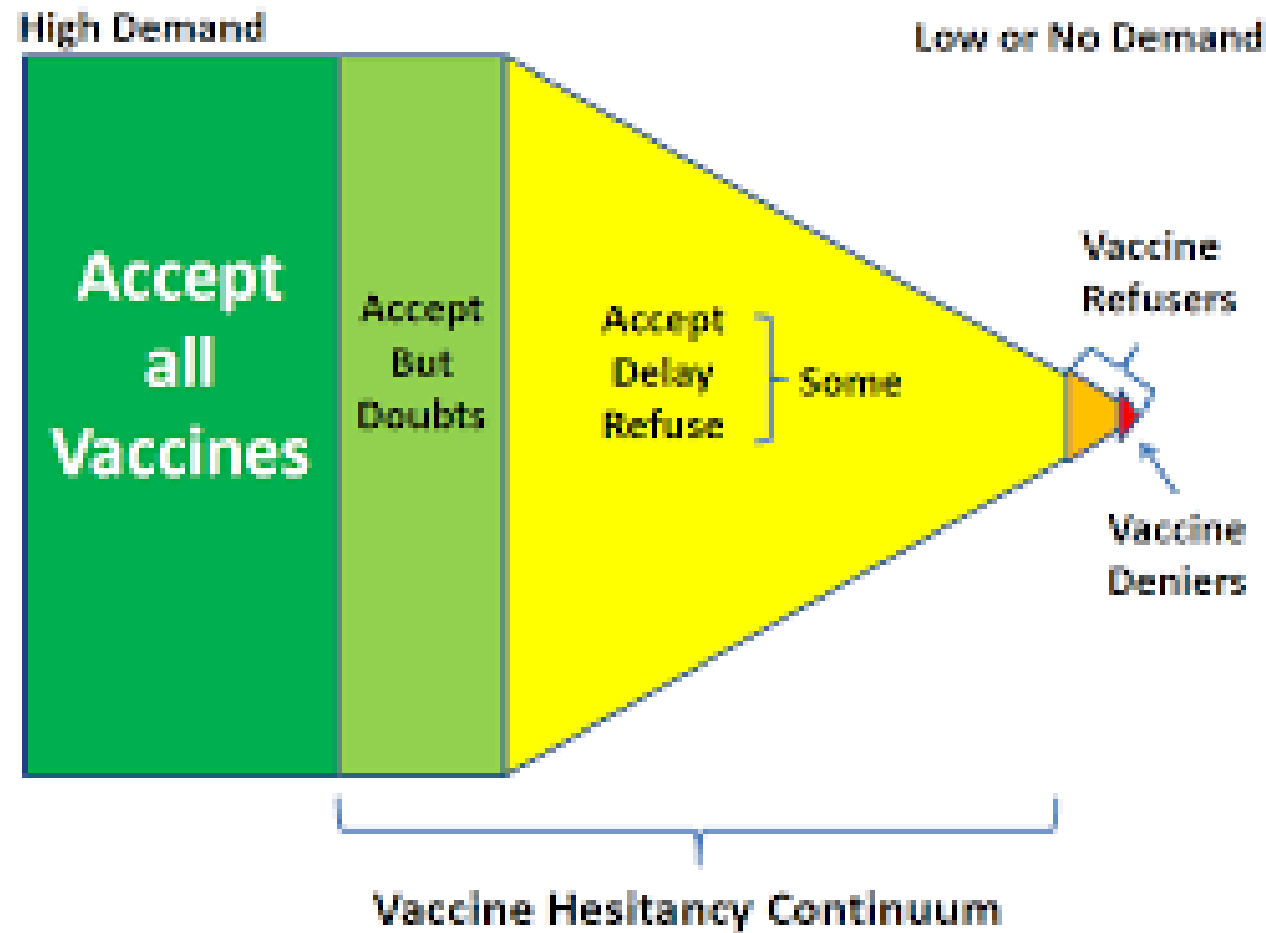
- Clinical Pharmacists with specialization in Travel Medicine and Infectious Diseases
- Clinical Director for TravelRx and Immunize.io
- Clinical Instructor at the UBC Faculty of Pharmaceutical Sciences
- President of the Pharmacist Advanced Immunization Working Group



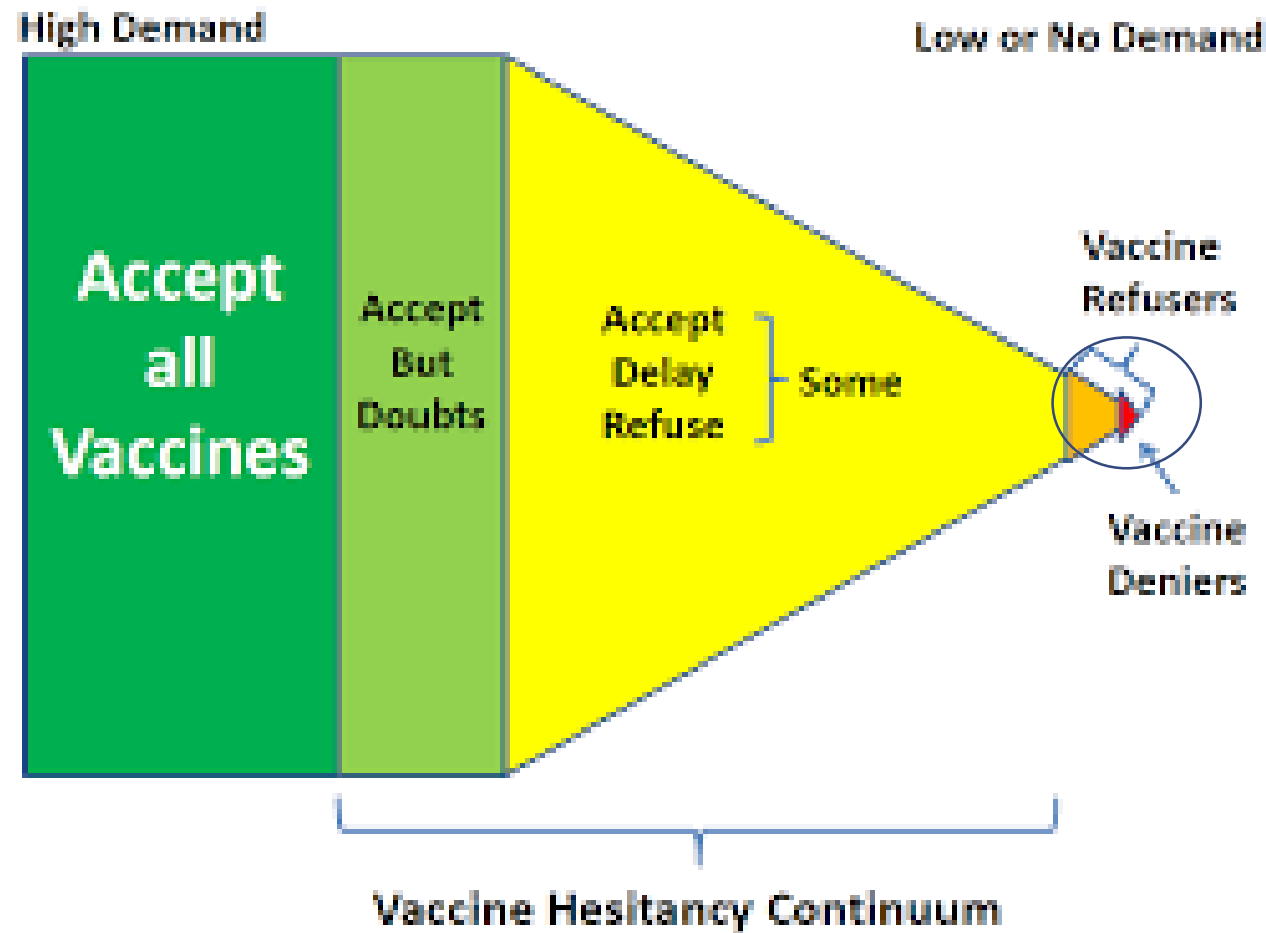
Goals of Today's Presentation

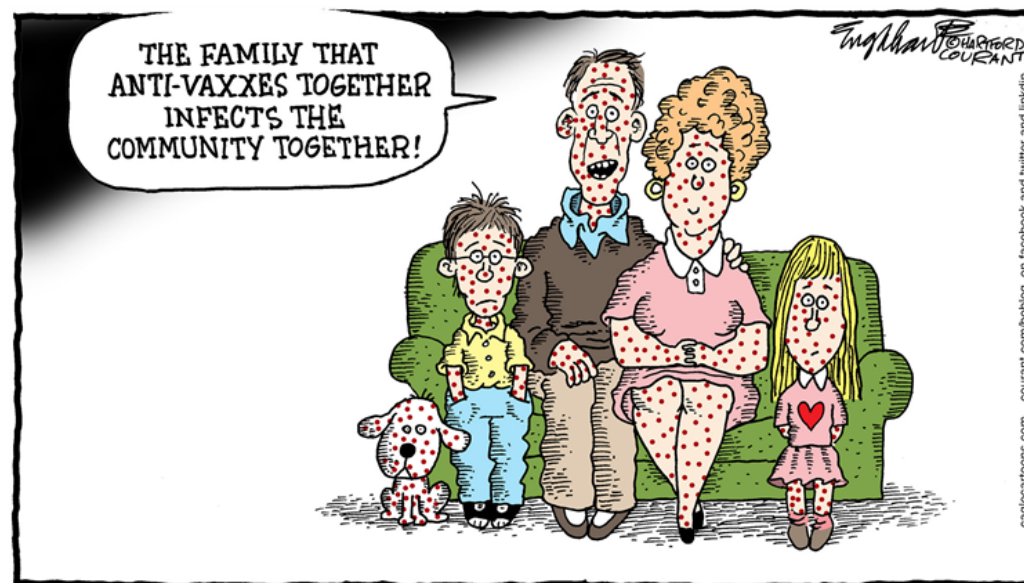
- Describe the Phenomenon of Vaccine Hesitancy ; “A Global Health Problem”
- Discuss Immunization Gaps in Adolescents and Young Adults (Measles, Meningitis, Travel Vaccinations)
- Outline our Accessible and Convenient Immunization Services for University Students

Vaccine Hesitancy: A Global Problem....

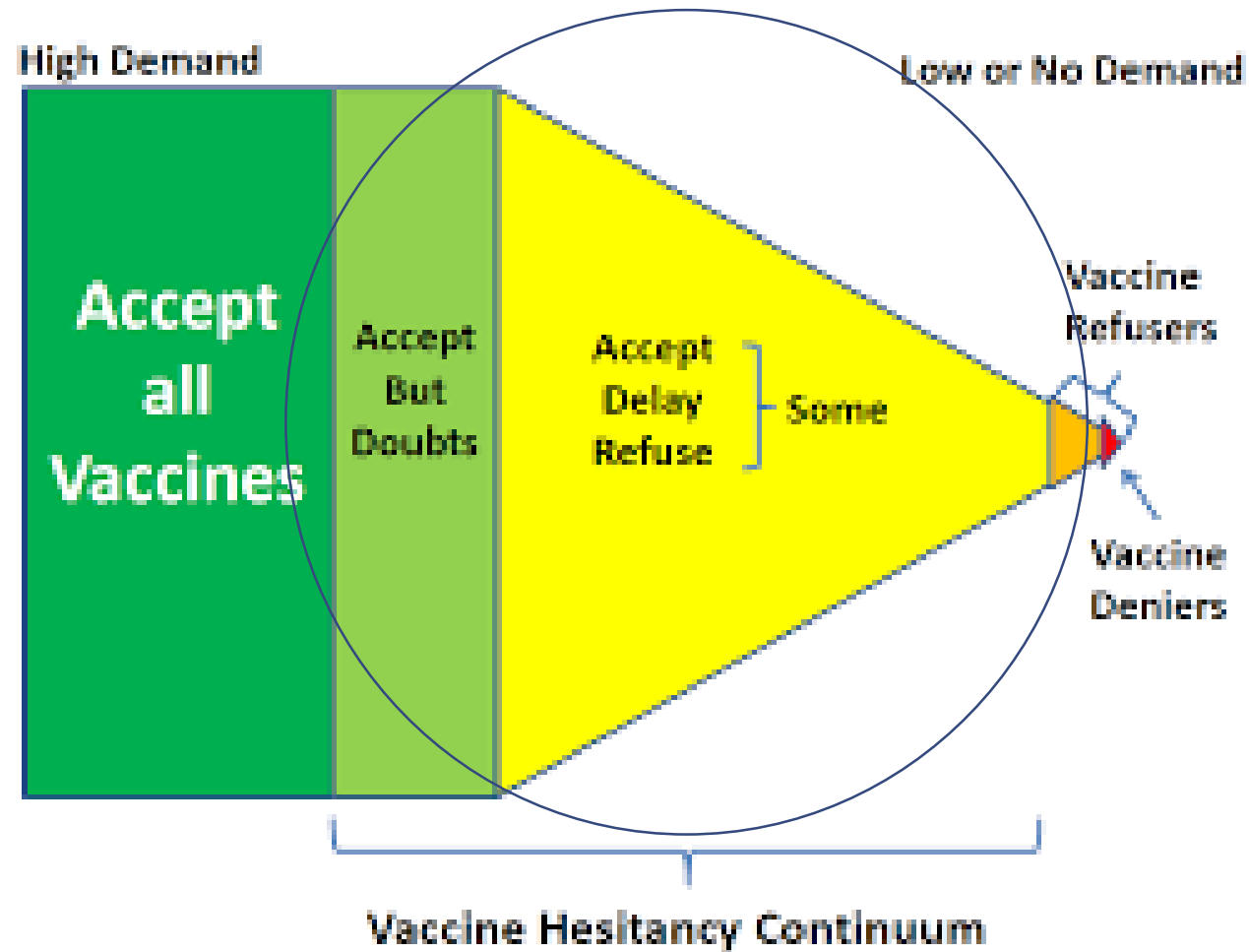


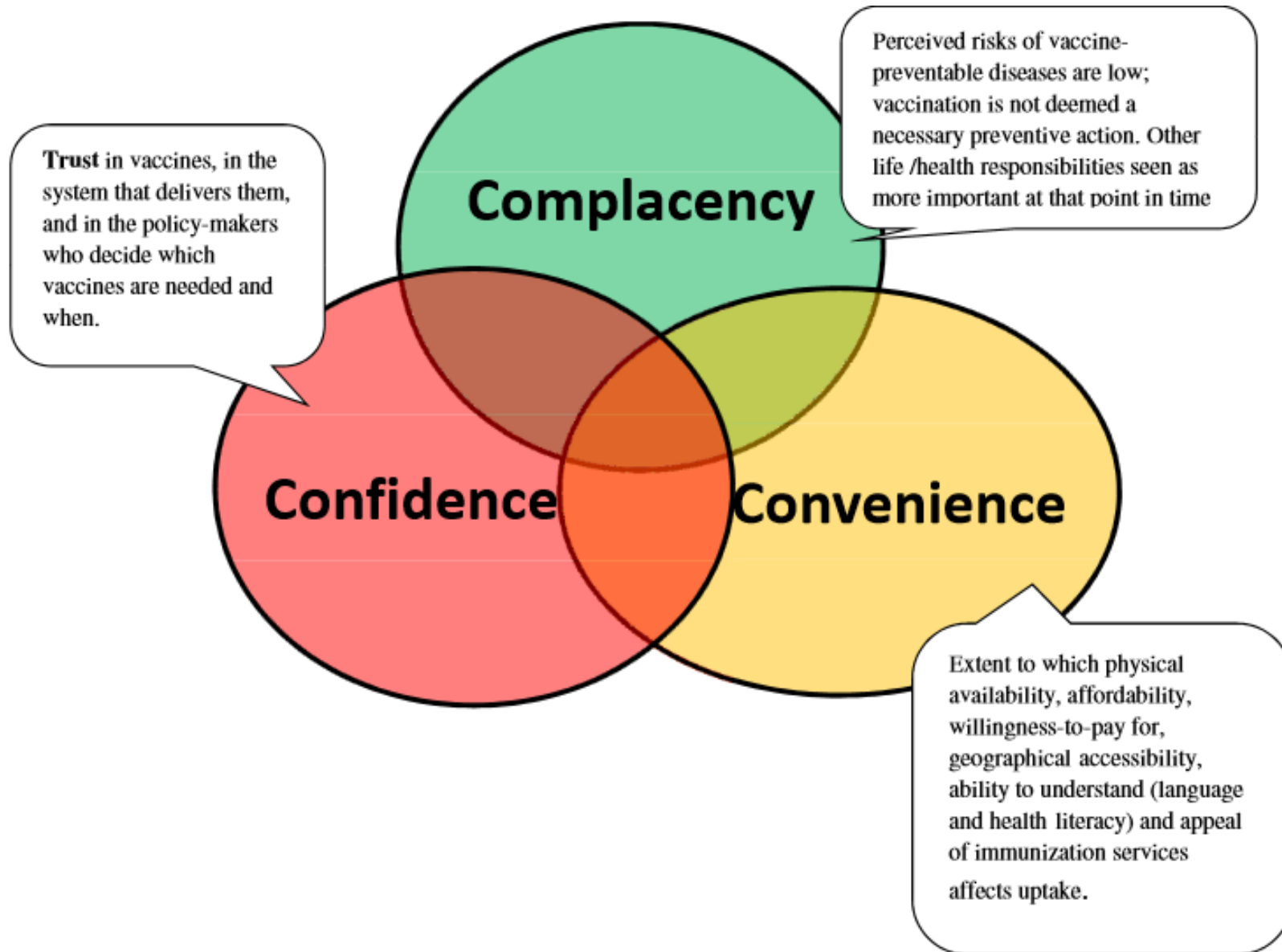
Vaccine Hesitancy: A Global Problem....





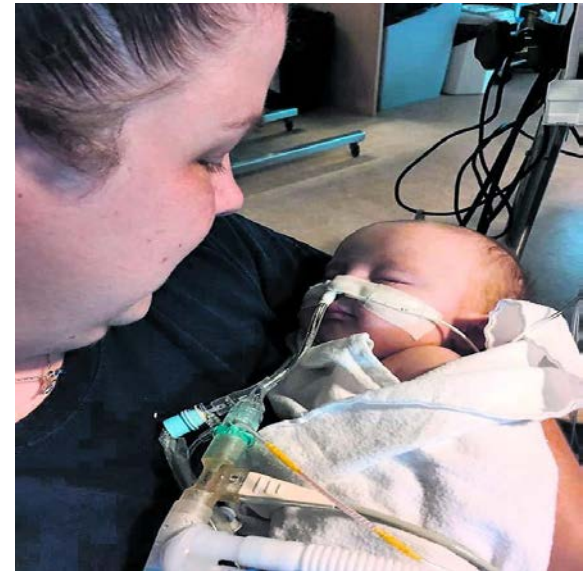
Vaccine Hesitancy: A Global Problem....





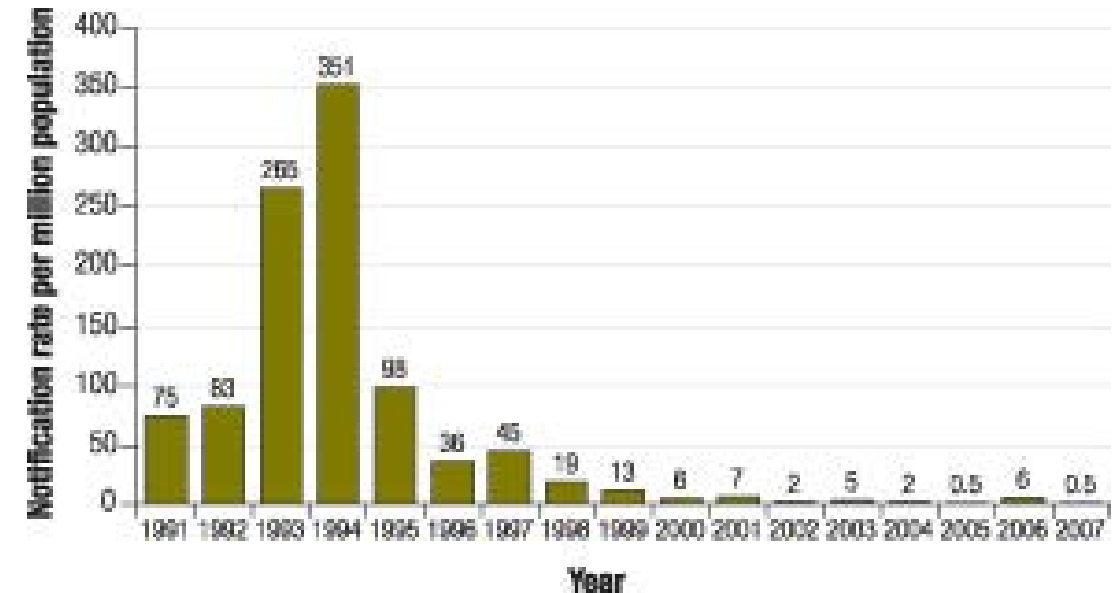
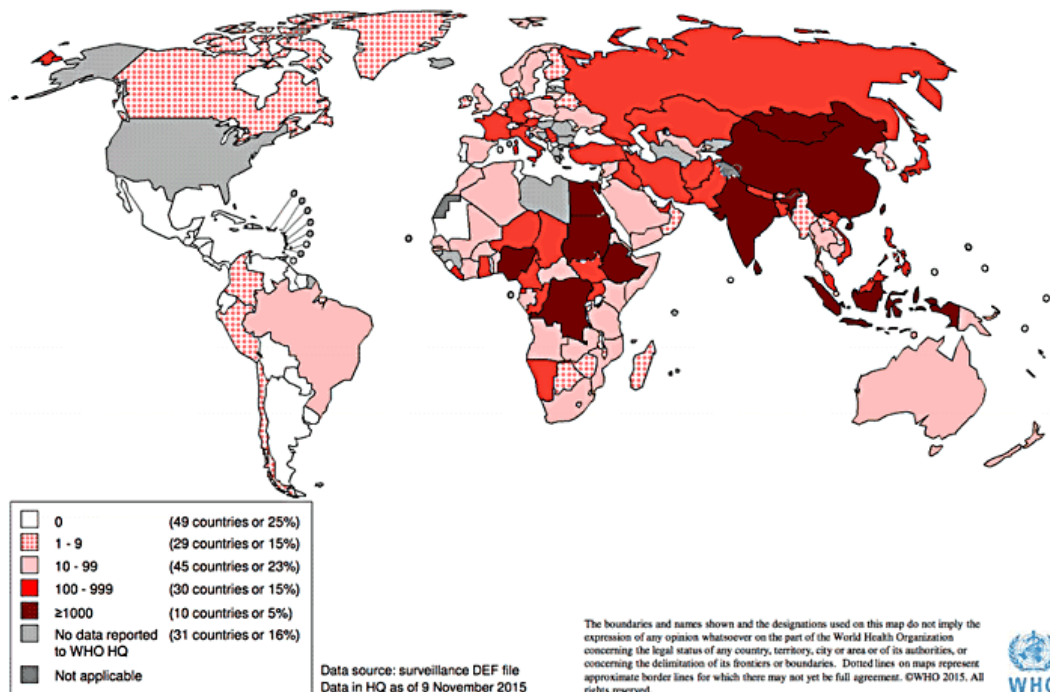
Immunization rates in older adults..

- **Vaccine-preventable diseases could come roaring back because adults are neglecting their shots, Canadian study says** — CD Howe Institute commentary 509 Not Just for kids: How to improve Adult Vaccination Uptake (1)



In 2002 – Measles transmission was interrupted in the Western Hemisphere

Measles virus transmission was interrupted in the early 2000's in the Western Hemisphere, with an absence of new cases as monitored by a well-performing surveillance system



Measles Returns to British Columbia



Exposure Risk/ Immunization Gaps

1. Absence of 2 documented Doses in Childhood - **Don't Have Records?**
2. Only One dose in Childhood (**Born Before 1994**) - **B.C.** children born in or after 1994 routinely get two doses of the measles, mumps and rubella (**MMR**) **vaccine**, one dose when they turn a year old and another before they start kindergarten.
3. International Travel - The BC Outbreak started with Imported Cases from Travellers

Access – Publically Funded Vaccines after High School

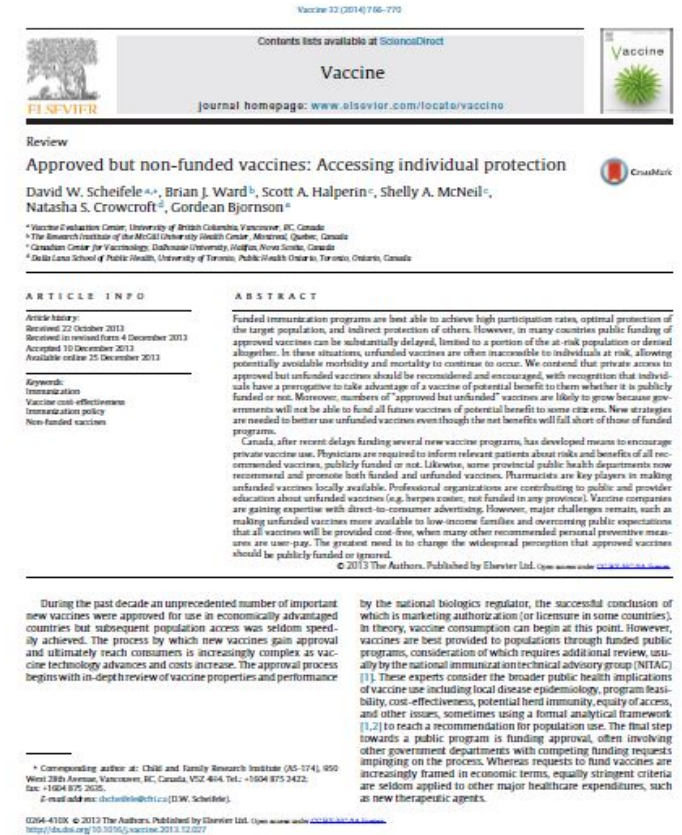
1. Measles Mumps Rubella (MMR) vaccine
2. Tetanus/Diphtheria Vaccine (TD) - one dose every 10 years

These Vaccines are publically Funded and therefore free of charge (0\$)

Can receive these vaccinations from a Pharmacy, Doctors Office, or Public Health Unit...

Approved But Non Funded Vaccines

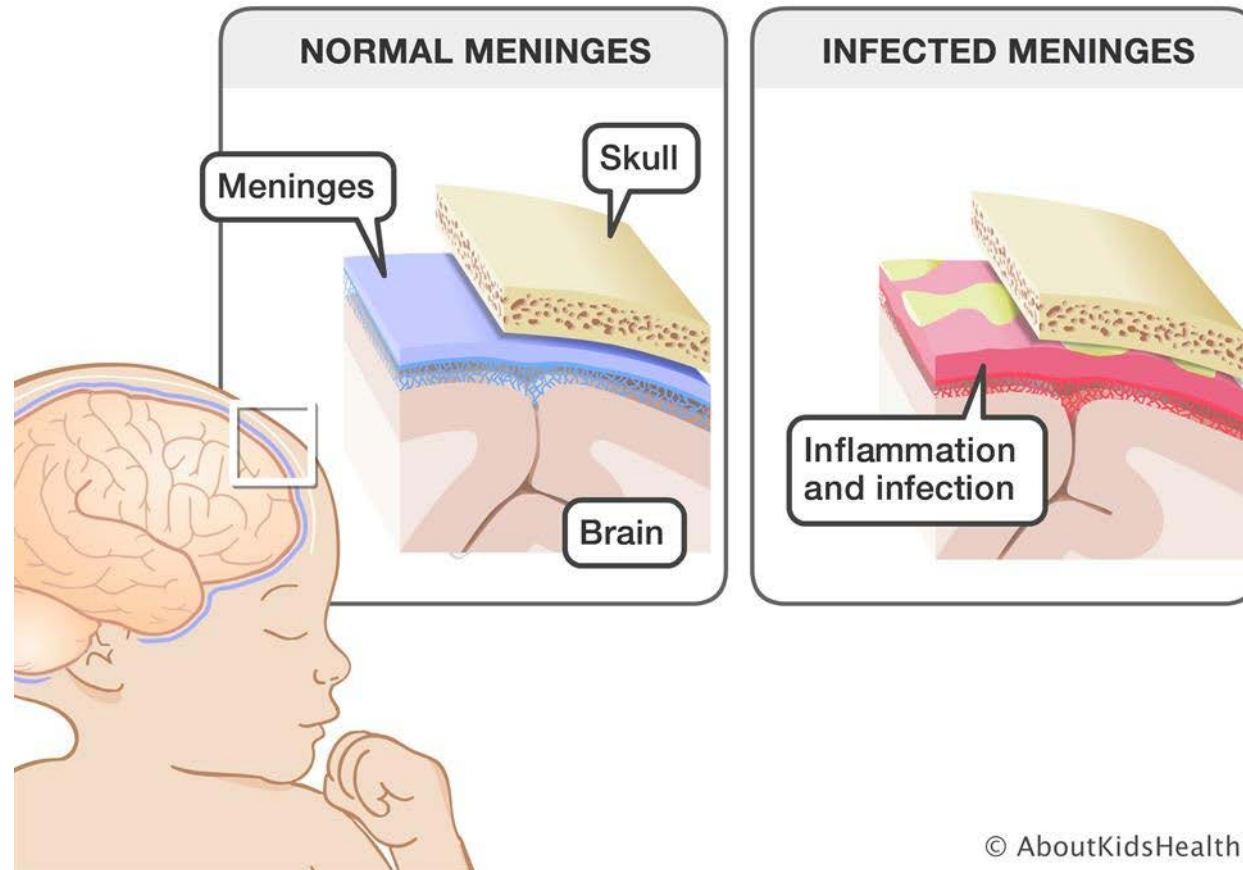
*“ The greatest need is to change the widespread perception that vaccines should be **publicly funded or ignored**. The long-standing and total dominance of **population over individual considerations** for vaccines needs to end or the potential benefits of some vaccines will not be realized, to the detriment of those at risk. It is a form of **discrimination against vaccines** compared with (preventive) drugs that urgently needs to be corrected”¹*



What Vaccines are Recommended for ME that are not covered by Government?

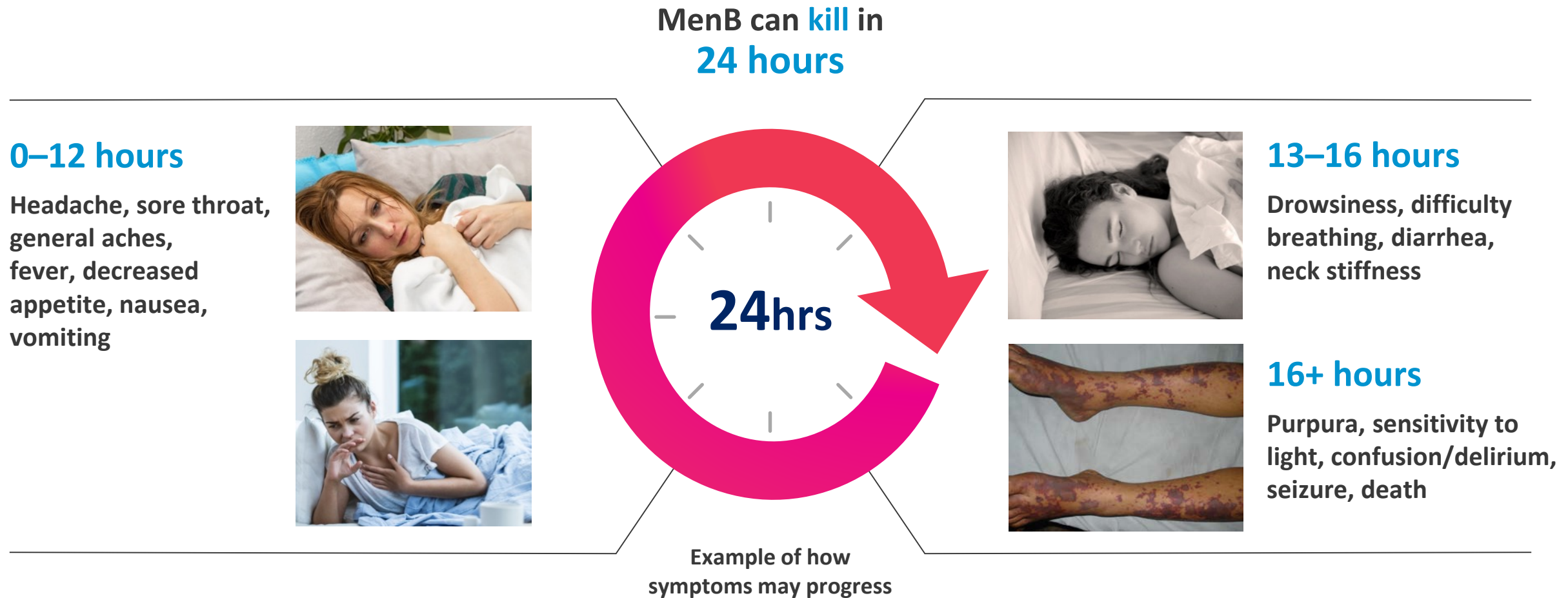
1. Meningitis Vaccine
2. Travel Vaccinations (Hepatitis A, Typhoid Fever, Yellow Fever, Rabies, Japanese Encephalitis, Cholera)

Meningitis arguably the most devastating “vaccine preventable disease”



© AboutKidsHealth.ca

MenB Has a Rapid Onset and Disease Course



MenB = serogroup B meningococcal disease.

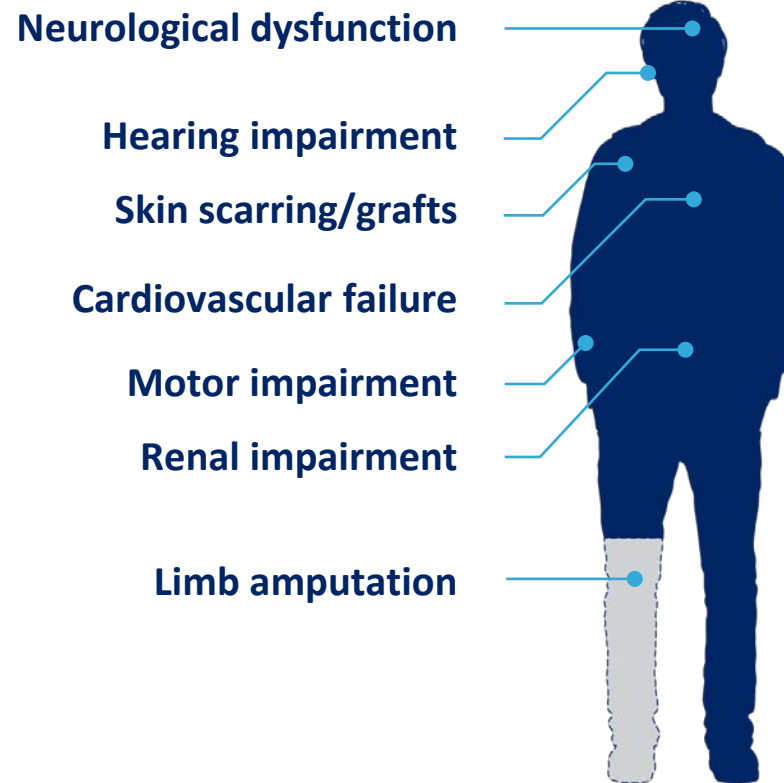
Thompson MJ et al. *Lancet*. 2006;367(9508):397-403.

Meningococcal Disease Can Result in Death or Permanent, Long-term Complications

10%–15%
of cases are fatal¹

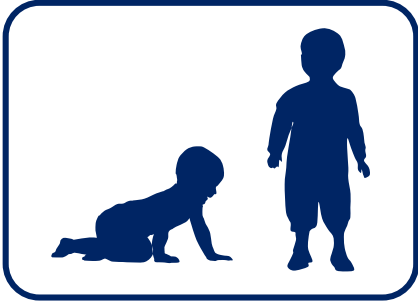
10%–20%
of surviving patients
have long-term sequelae^{1,2}

Typical sites of IMD sequelae¹⁻⁵



1. Centre for Disease Control and Prevention. Manual for the Surveillance of Vaccine-Preventable Diseases. Chapter 8: Meningococcal Disease. Accessed on March 13, 2018. Available at: <https://www.cdc.gov/vaccines/pubs/surv-manual/chpt08-mening.html> 2. Rosenstein NE, et al. *N Engl J Med*. 2001;344:1378-1388. 3. Bettinger JA, et al. *Pediatr Infect Dis J*. 2013;32:e20-e25. 4. Viner R, et al. *Lancet Neurol*. 2012;11:774-783. 5. Brandtzaeg P. In: Frosch M, et al, eds. *Handbook of Meningococcal Disease: Infection Biology, Vaccination, Clinical Management*. Weinheim, Germany: Wiley-VCH Verlag GmbH & Co. KGaA; 2006:427-479.

Who Is at Risk for IMD?



Infants and children <5 years of age

- Have the highest incidence of meningococcal disease due to immature immune system¹



Adolescents and young adults (15–25 years of age)

- Are at increased risk due to behaviors^{2,3}



Others

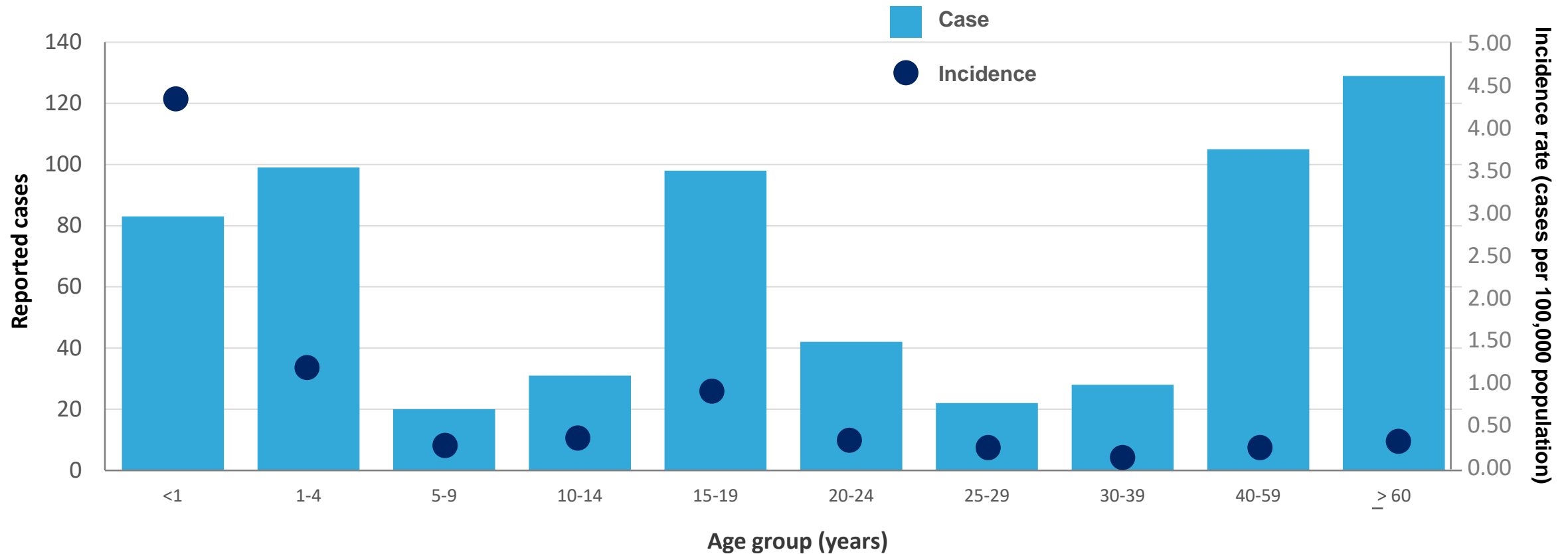
- Compromised immune systems (e.g., asplenia) and/or living in epidemic or hyperendemic areas^{3,4}
- Travel to endemic areas or large gatherings^{5,6}
- Certain occupations (e.g., laboratory workers, military personnel)³

* The risk of meningococcal disease in travelers can vary based on destination, mode of transport, type of accommodation, and reason for travel/destination activities. Please review the existing recommendations when considering meningococcal vaccination for those traveling.

1. Li YA, et al. *CCDR*. 2014;40:160-169. 2. World Health Organization. Meningococcal meningitis. Fact sheet no. 141. <http://www.who.int/mediacentre/factsheets/fs141/en/>. Updated November 2015. Accessed August 29, 2017.

3. Harrison LH, et al. *Clin Microbiol Rev*. 2006;19:142-164. 4. Bilukha OO, Rosenstein N. *MMWR Recomm Rep*. 2005;54(RR-7):1-21. 5. Memish ZA, et al. *J Infect Public Health*. 2010;3:143-151. 6. Steffen R. *J Travel Med*. 2010;17(suppl):9-17.

Total Reported Cases and Overall Incidence Rate of Invasive Meningococcal Disease (IMD) in Canada by Age Group, 2011 to 2015 (n=659)



Common Adolescent and Young Adult Behaviors Put Them at Increased Risk for IMD



Sharing food,
drinks, cosmetics¹

Sharing
cigarettes¹

Increased
social and
physical
contact^{1,2}

Close-quartered
living¹⁻³

Sports-related
sharing, e.g.,
water bottles,
mouth guards⁴

Travel⁵⁻⁷

1. Brigham KS, Sandora TJ. *Curr Opin Pediatr*. 2009;21(4):437-443. 2. World Health Organization. Meningococcal meningitis. Fact sheet No. 141. Updated November 2015. <http://www.who.int/mediacentre/factsheets/fs141/en>. Accessed August 26, 2017. 3. Harrison LH. *Clin Microbiol Rev*. 2006;19:142-164. 4. Princeton University. Meningococcal Fact Sheet. October 2013. Accessed February 9, 2018. Available at: <https://web.princeton.edu/sites/emergency/meningitis/Meningitis%20FAQ%2010-13.pdf>. 5. Student Universe and Skift Travel. The State of Student Travel. Special Report. Accessed April 2, 2019 at <https://skift.com/wp-content/uploads/2014/10/StudentUniverse-Sponsored-SkiftReport-State-of-Student-Travel-2.pdf>. 6. Peterson ME, Li Y, Bitá A, et al. Meningococcal serogroups and surveillance: a systematic review and survey. *J Glob Health*. 2018;9(1):010409. 7. Brehony C, Hill DM, Lucidarme J, Borrow R, Maiden MC. Meningococcal vaccine antigen diversity in global databases. *Euro Surveill*. 2015;20(49):10.2807/1560-7917.ES.2015.20.49.30084.

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1. Brigham KS, et al. *Intimate Partner Violence: A Systematic Review and Survey. J Glob Health.* 2018;9(1):010409. Accessed August 2018. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6141411/>. Accessed August 2018. 2. Brehony C, Hill DM, Lucidarme M, et al. *Intimate Partner Violence: A Systematic Review and Survey. J Glob Health.* 2018;9(1):010409. Accessed August 2018. 3. Brehony C, Hill DM, Lucidarme M, et al. *Intimate Partner Violence: A Systematic Review and Survey. J Glob Health.* 2018;9(1):010409. Accessed August 2018. 4. Brehony C, Hill DM, Lucidarme M, et al. *Intimate Partner Violence: A Systematic Review and Survey. J Glob Health.* 2018;9(1):010409. Accessed August 2018. 5. Brehony C, Hill DM, Lucidarme M, et al. *Intimate Partner Violence: A Systematic Review and Survey. J Glob Health.* 2018;9(1):010409. Accessed August 2018. 6. Brehony C, Hill DM, Lucidarme M, et al. *Intimate Partner Violence: A Systematic Review and Survey. J Glob Health.* 2018;9(1):010409. Accessed August 2018. 7. Brehony C, Hill DM, Lucidarme M, et al. *Intimate Partner Violence: A Systematic Review and Survey. J Glob Health.* 2018;9(1):010409. Accessed August 2018.

Common Adolescent and Young Adult Behaviors Put Them at Increased Risk for IMD



Sharing food, drinks, cosmetics¹

Sharing cigarettes¹

**Increased
social and
physical
contact^{1,2}**

Close-quartered living¹⁻³

Sports-related sharing, e.g., water bottles, mouth guards⁴

Travel⁵⁻⁷

Not MY Kid.....

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drinks, cosmetics¹

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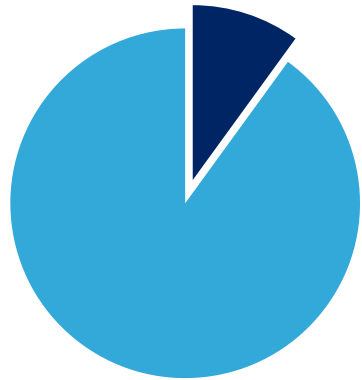
Travel⁵⁻⁷

Well then.... Whose Kid is it?????

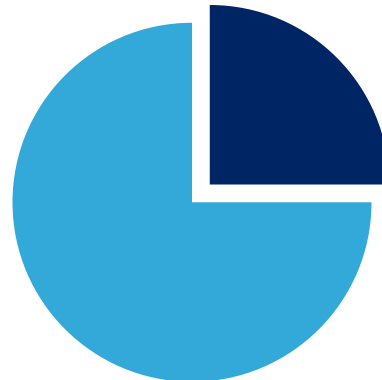
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Meningococcal Carriage Peaks During Late Adolescence^{1,2}

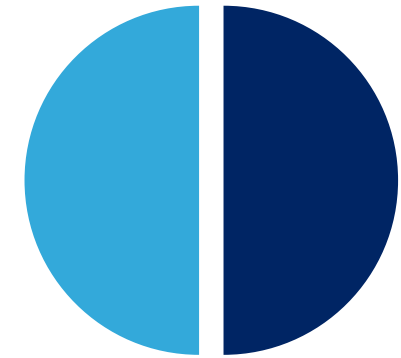
- **Meningococcal carriage** can take place asymptotically in:^{1,2}



10%
of the general population¹



Up to 24%
of adolescents and young adults²



~50% of those living in
crowded settings,
such as university dormitories,
military barracks, and other
institutional settings¹

Meningococcal Disease on U.S. College Campuses, 2013-2017

While this graphic only includes college students, all young adults ages 16-21 years old are at increased risk of getting meningococcal disease.

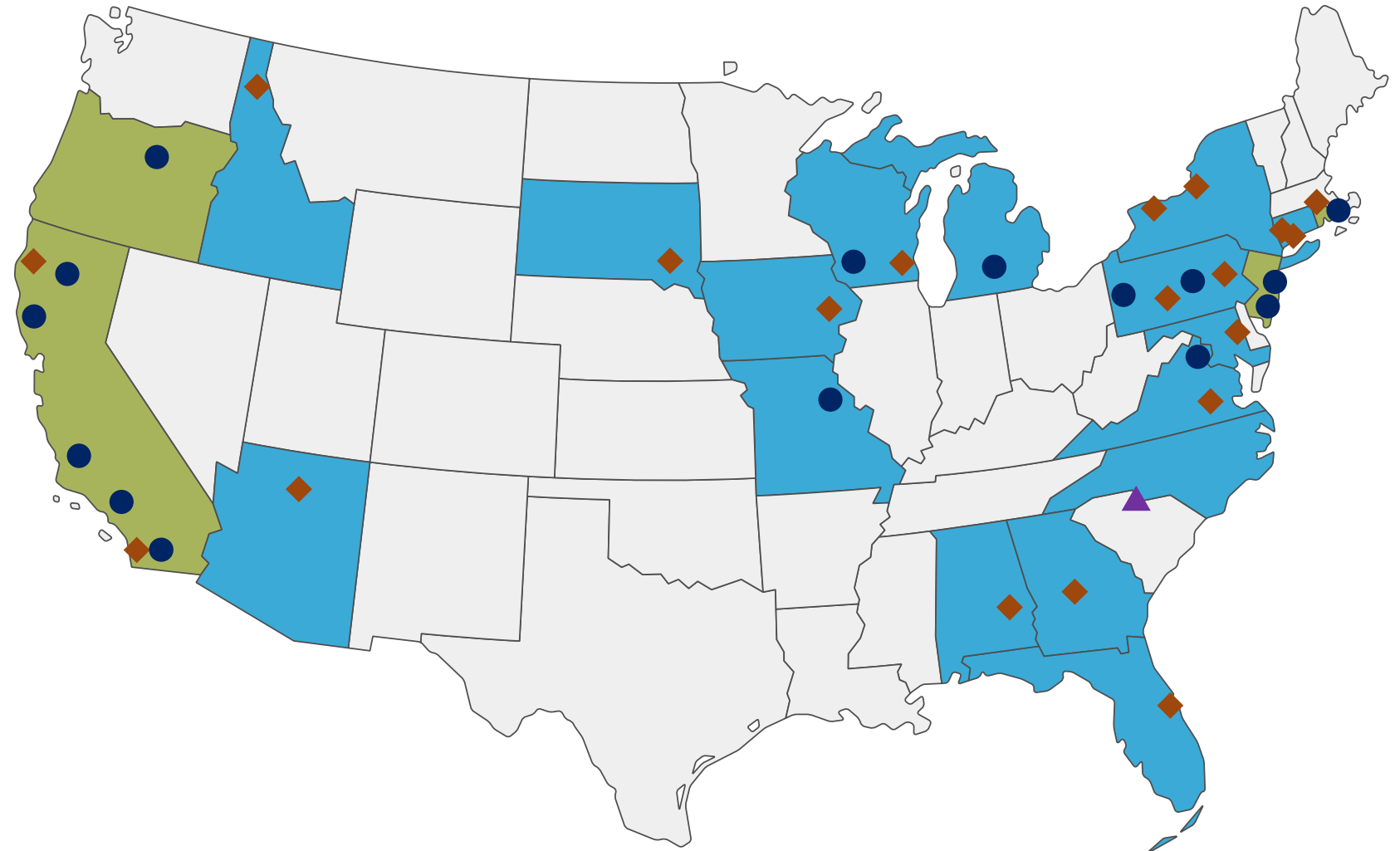
National Totals

59 cases

9 deaths

1 outcome unknown

- States where campus outbreak occurred
- States where single cases occurred on a campus
- Confirmed serogroup B cases
- Non-serogroup B cases or unknown type
- Cases not covered by media, reported directly to NMA



Outbreaks and Increased Incidence of IMD in Canada



British Columbia June to December 2017¹

- 5 cases due to serogroup W reported in the Okanagan region among those 16-19 years
- In total, 11 cases of various serogroups throughout southern interior
- 1 death



Acadia University, Nova Scotia February 2015^{2,3}

- 2 students Men B outbreak
- 1 death

**1 death in Montreal -
March 2019**



Quebec City – Winter 2001⁴

- 44 confirmed cases Men C
- 8 fatalities

Saguenay–Lac-Saint-Jean Region (QC) 2006-2012⁵

- Men B incidence rates were statistically higher compared to provincial average
- Men B incidence in the <5 and 15-19 age groups were 5X higher than the rest of the province
- 76% (56/74) of Men B cases occurred in those 20 years of age or younger

1. BC Centre for Disease Control. Meningococcal vaccine offered to youth aged 15-19 across Okanagan region December 15, 2017. Available at: <http://www.bccdc.ca/about/news-stories/news-releases/2017/meningococcal-vaccine-offered-to-youth-aged-15-19-across-okanagan-region> 2. Communicable Disease Prevention & Control (2015) Meningococcal Meningitis. Retrieved on July 27, 2017 from <https://novascotia.ca/dhw/CDPC/meningitis.asp> 3. CBC News. Acadia University dealing with 'institutional outbreak' of meningitis. Retrieved on March 13, 2018 from <http://www.cbc.ca/news/canada/nova-scotia/acadia-university-dealing-with-institutional-outbreak-of-meningitis-1.2955992> 4. Pinkner, S.(2001). Quebec's \$100-million campaign targets meningococcal disease. CMAJ. Retrieved on July 27, 2017 from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC81678/> 5. De Wals P, Deceuninck G, Dubé E, et al. Avis sur la pertinence d'une intervention visant à contrôler une incidence élevée d'infections invasives à méningocoque de sérotype B dans l'Est du Québec. Québec: Institut national de santé publique du Québec; Mar, 2014.1

Meningococcal Prevention in Canada – Publicly Funded Provincial Schedules^{1,2}

VACCINES	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL	YT	NT	NU
Men-C-C (Infant)	2, 12 mos	4, 12 mos	12 mos	12 mos	12 mos	12 mos	12 mos	12 mos	12 mos	12 mos	2, 12 mos	2, 12 mos	12 mos
Men-C- ACYW-135 (Adolescent single dose)	GR 9	GR 9	GR 6	GR 6	GR 7	*	GR 9	GR 7	GR 9	GR 4	GR 9	GR 12	GR 9

* In Quebec, MenC-C vaccine is given as an adolescent booster the 3rd year of high school. Men-C-ACYW vaccine is not currently part of the universal program.

Meningitis – What are is my exposure/risk

- Do you live on Campus?
- Did you receive immunizations in high school?
- If yes – you received the Men-C Vaccine, which still leaves you exposed to the A, W-135, Y, and B disease causing strains
- As of 2017 Grade 9 students received Men-ACWY vaccine , but still no protection against Men-B
- Travel to East/West Africa – “African Meningitis Belt”

Access – Meningitis Vaccinations

1. Men ACWY vaccine – 1 dose every 5 years – cost = 130\$
2. Men B Vaccine - 2 doses at 0, 6 month – cost = 130\$/dose

All Prices INCLUSIVE of Assessment and Administration Services

The SFU Student Drug Benefit Plan allows for 150\$ per year for Vaccine coverage , our service can bill this directly onsite (no need to submit receipt for reimbursement)

International Travel



International Travel is increasing 4% per year
Travel to “Underdeveloped Regions” Increasing by 6% per year

Travel Vaccinations 101

- Update Routine Immunizations (TD, MMR booster)
- Food and Water borne diseases (Hepatitis A, Typhoid Fever, Dukoral)
- Vectorborne diseases
- Animal Bites
- Malaria
- Personal Safety

Some travel itineraries are more complicated than others – if medications for malaria prophylaxis, altitude sickness, or antibiotics are required, a 40\$ assessment fee is required

Access – Travel Vaccinations (Food and Waterborne Diseases)

1. Hepatitis A Vaccination - 2 doses at 0, 6-36 months = 65\$/dose
2. Typhoid Fever – 55\$ (1 dose lasts 3 years)
3. Dukoral – 90\$ (ETEC TD , 2 doses 1 week apart, 2nd dose 1 week before departure)

The SFU Student Drug Benefit Plan allows for 150\$ per year for Vaccine coverage , our service can bill this directly onsite (no need to submit receipt for reimbursement)

Take Home Points

1. Stay up-to date on Routine Immunizations (MMR + TD)
2. Know your risk for IMD
3. Important Travel Vaccinations for Food and Water borne illnesses
4. Understand your University and or work extended health benefits plan for vaccine coverage
5. Our immunization service offers education, individualized risk assessment, onsite administration of vaccinations, and direct billing to University drug benefit plans

We are looking to work with the SFU Student Society to provide education and onsite clinics, resulting in better access to immunization services for students....

Benefits of our Service – “For Millennial’s by Millennial’s”

1. Comprehensive
2. Convenient
3. Social Impact



One for One



