

Outbreak of Invasive Meningococcal Disease (Serogroup W) in the Okanagan, British Columbia

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Interior Health
Every person matters

Disclosure Statement

We have no affiliation (financial or otherwise) with a pharmaceutical, medical device or communications organization.

Presentation Outline

- ❖ Where was the outbreak?
- ❖ How was the outbreak identified?
- ❖ Outbreak management
- ❖ Acknowledgements
- ❖ Questions

Where was the outbreak?



Interior Health (IH)

Where was the Outbreak?

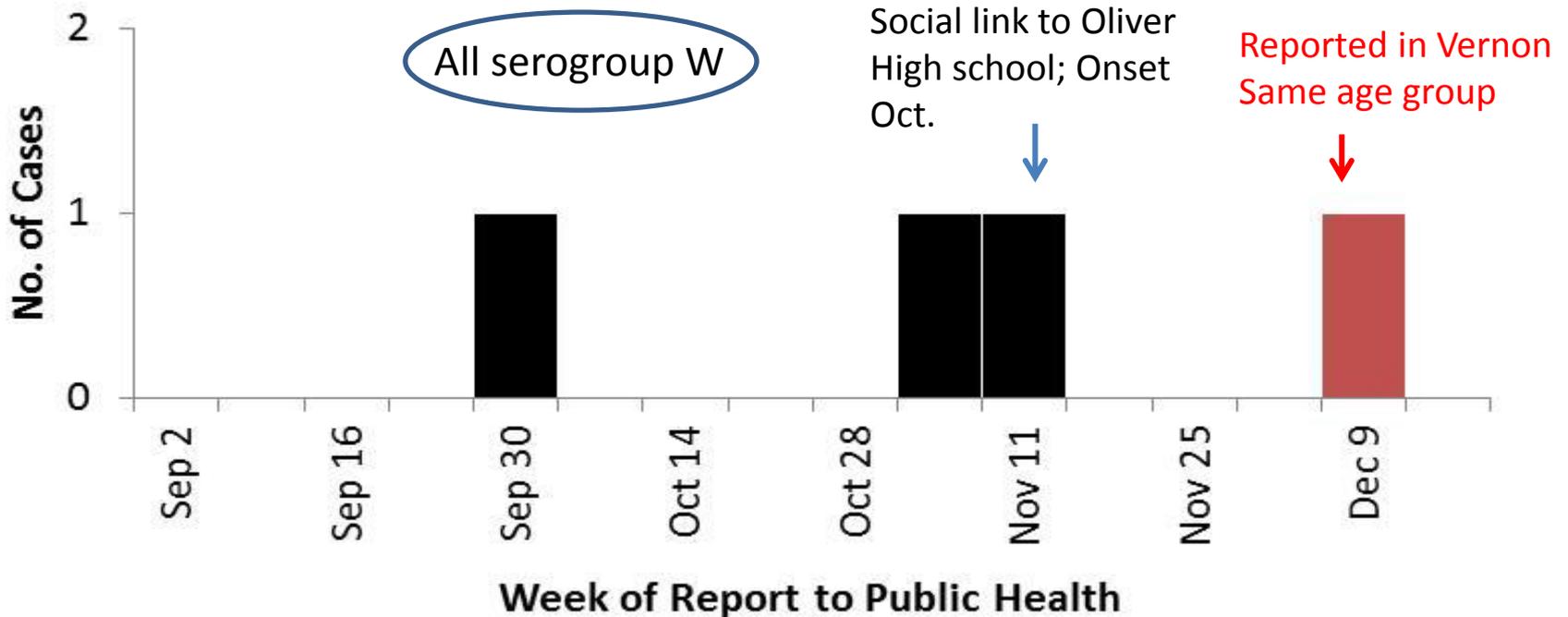


Outbreak Identification

- ❖ IH – averages 3-5 cases of IMD annually
- ❖ Last IMD outbreak in BC: 2001, serogroup C
- ❖ Emergence of serogroup W in BC in 2017

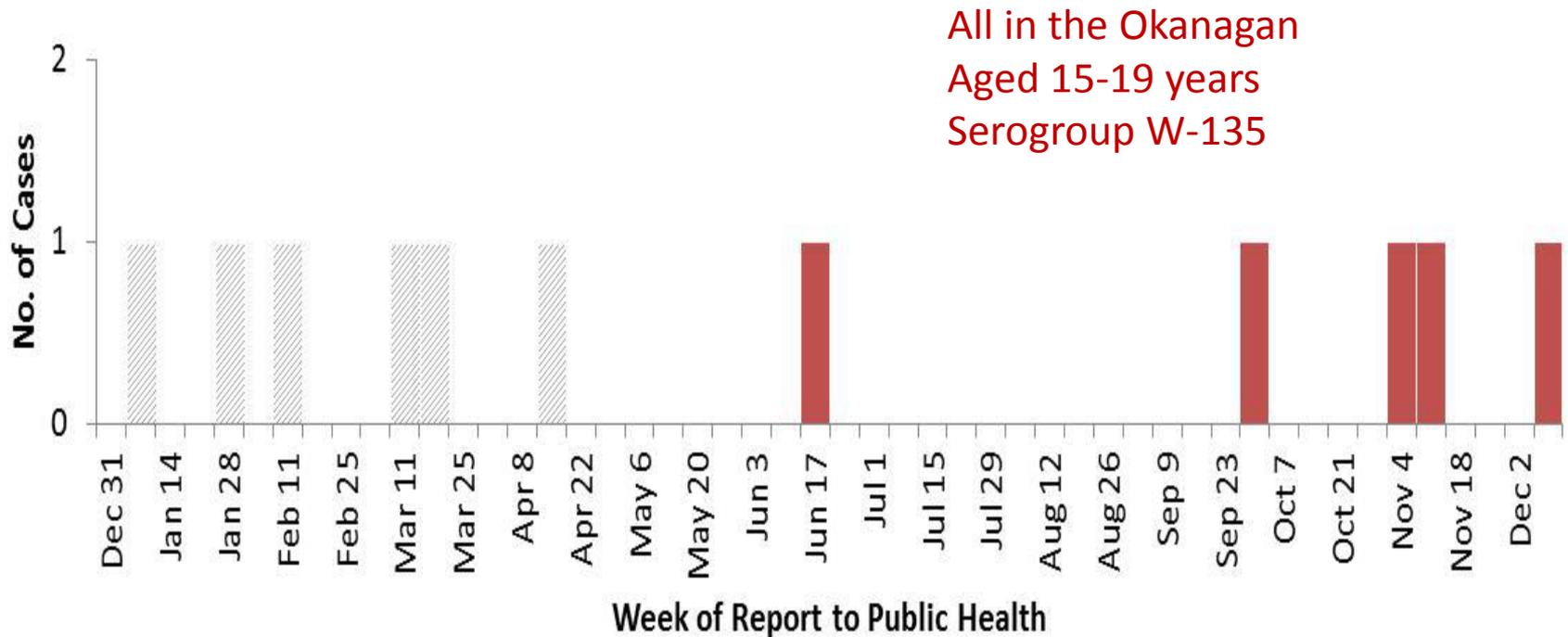
Outbreak Identification

Cases of IMD by week of report to Public Health, Interior Health



Outbreak Identification

Cases of IMD by Week of report to Public Health, Interior Health
January 1 – December 11, 2017



Outbreak Declared



Interior Health communications administrator Deborah Preston, left, and medical health officer Dr. Karin Goodison update media on declaring an outbreak of meningococcal disease in the Okanagan. (Carmen Weld/Black Press)

December 14, 2017

Meningococcal disease outbreak declared in Okanagan

Five cases in last six months among 15- to 19-year-olds, including one in Vernon

Dec. 14, 2017 3:55 p.m. / NEWS

Outbreak Management and Control

Finding and connecting with those at risk!



Outbreak Management and Control

IH coordinated a multi-phased outbreak response using an Incident Command Structure



Outbreak Management and Control

We vaccinated a lot of people!

December 14, 2017 - February 14, 2018



11,417

Number of people immunized during the outbreak



255

Total number of clinics

Outbreak Management and Control

- ❖ Consent Form
- ❖ Geographic MHO order
- ❖ Vaccine Management



Interior Health
Every person matters

CONSENT FOR MENINGOCOCCAL IMMUNIZATION

LAST NAME		FIRST NAME		SCHOOL		DIVISION	
ADDRESS		PERSONAL HEALTH NUMBER		NAME OF PARENT/GUARDIAN/REPRESENTATIVE		RELATIONSHIP TO THE CHILD	
HOME PHONE		ALTERNATE PHONE		ALERT		HAS YOUR CHILD EVER HAD A SERIOUS OR LIFE-THREATENING ALLERGIC REACTION?	
						<input type="checkbox"/> NO <input type="checkbox"/> YES (TO WHAT? _____) IS YOUR CHILD'S IMMUNE SYSTEM AFFECTED BY A SERIOUS DISEASE OR MEDICATION? <input type="checkbox"/> NO <input type="checkbox"/> YES	

PARENT / GUARDIAN / REPRESENTATIVE - For the vaccine listed below, check Yes or No, sign and date.
 I understand the information in the HealthLinkSC File for the vaccine listed below. I understand the benefits and possible reactions for the vaccine and the risk of not getting immunized. I understand that in the rare occurrence of anaphylaxis, emergency treatment will be provided. I have had the opportunity to ask questions that were answered to my satisfaction. I understand this consent is valid for two years for the vaccine listed below unless I cancel it.

Mature Minor Consent: Parents/guardians and representatives should make every effort to discuss the information in the HealthLinkSC File for the vaccine listed below with the child, and to involve the child as much as possible in the decision to provide consent to immunization. Although a child may be immunized with the consent of a parent/guardian or representative, a child is entitled to be informed about immunization and may provide consent to immunization if the person administering the vaccine is sure that the child understands the benefits of, and possible reactions to, the vaccine, and the risk of not getting immunized.

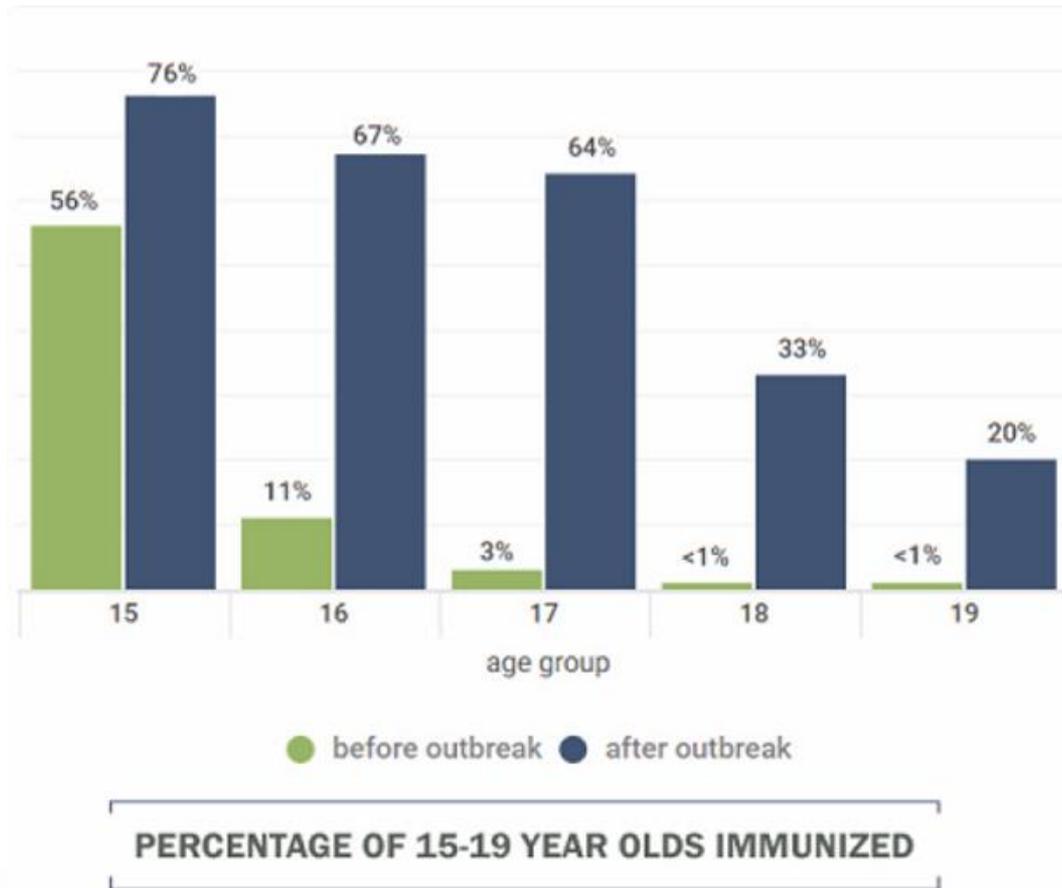
PARENT / GUARDIAN / REPRESENTATIVE ONLY		PUBLIC HEALTH USE ONLY – CHILD'S IMMUNIZATION RECORD			
Meningococcal Conjugate ACYW-135 (Men-C-ACYW-135) Vaccine					
Has your child ever received a dose of Meningococcal Conjugate-ACYW-135 vaccine (Menveo®, Menactra® or Nimenrid®)? If they have, give name of vaccine and date:		DATE: YYYYMMDD	SEX	LOT #	NURSE SIGNATURE
Vaccine	YYYYMMDD	1 DOSE	LA RA		NURSE'S NOTES: <input type="checkbox"/> Series Complete – no further doses required
I want my child immunized: <input type="checkbox"/> Yes <input type="checkbox"/> No					
Signature:	DOB: YYYYMMDD				
PUBLIC HEALTH USE ONLY - MATURE MINOR CONSENT					
I want to be immunized for Men-C-ACYW-135 <input type="checkbox"/> Yes <input type="checkbox"/> No		NURSE SIGNATURE		DATE: YYYYMMDD	
Child Signature:				TIME: AMPM	
PUBLIC HEALTH USE ONLY - TELEPHONE CONSENT					
TELEPHONE CONSENT OBTAINED FROM:	For Men-C-ACYW-135	PHONE NUMBER CALLED		DATE: YYYYMMDD	
RELATIONSHIP TO CHILD:	<input type="checkbox"/> Yes <input type="checkbox"/> No	NURSE SIGNATURE		TIME: AMPM	

Outbreak Management and Control



TIMELINE OF ELIGIBLE POPULATION IMMUNIZED

Outbreak Management and Control



Outbreak Declared Over

Interior Health declares end to meningococcal disease outbreak



Thousands immunized following 12 confirmed cases and one death

Jaimie Kehler - CBC News - Posted: Feb 14, 2018 12:46 PM PT | Last Updated: February 14



Interior Health says more than 14,000 Okanagan teenagers have recently been vaccinated against the disease. (Valentin Flauraud/Reuters)

February 14, 2018

- ❖ No new cases in target population
- ❖ Incidence rate returned to pre-outbreak rate

Implications

- ❖ Consideration of the unique needs of the target population
- ❖ Dedicated support for data collection and management
- ❖ Consideration of an Incident Command Structure

Acknowledgements

A wide range of people worked hard to get this outbreak under control and make the immunization campaign a success!

- * Medical Health Officers
- * Communicable Disease Unit
- * Epidemiologists
- * Immunization Team
- * Administrators & Managers
- * Public Health Nurses
- * Prevention Services Assistants
- * Information Management
- * Administrative Support
- * Communications
- * Finance
- * Logistics
- * Human Resources
- * Staffing Services
- * Secondary Schools & Superintendents
- * Post-Secondary Schools
- * Community Pharmacies & Hospital Pharmacies
- * BC Immunization Committee
- * BC Centre for Disease Control
- * First Nations Health Authority
- * Health Emergency Management

QUESTIONS?