Northern Health Authority: Public Health in a rural RHA in BC

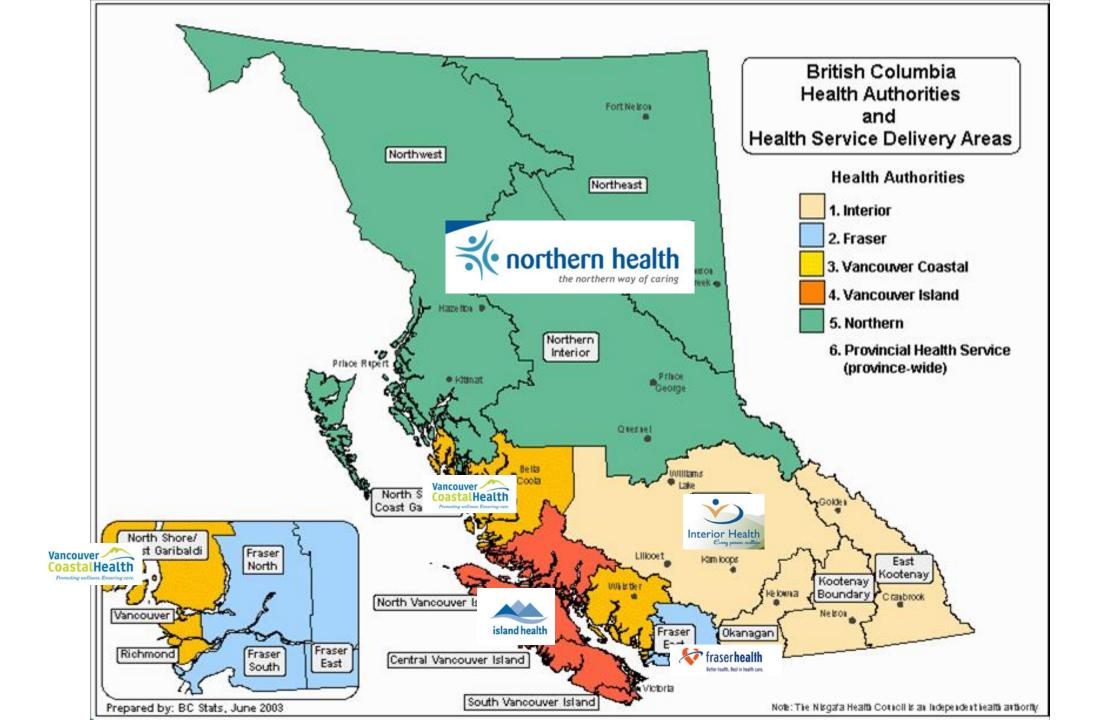
Dr. Sandra Allison MPH CCFP FRCPC DABPM
Chief Medical Health Officer
October 6, 2016



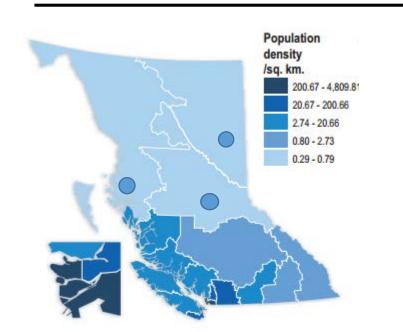
Objectives

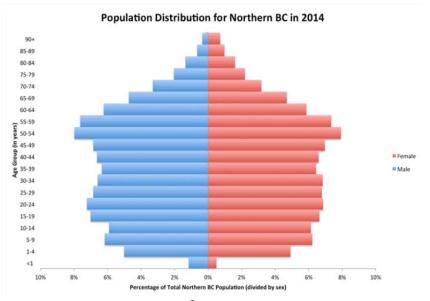
- Describe the structure and function of the public health programs in Northern Health Authority - BC
- Situate the NHA in the Public Health System in BC
- Describe unique opportunities and challenges of rural public health





Northern BC facts





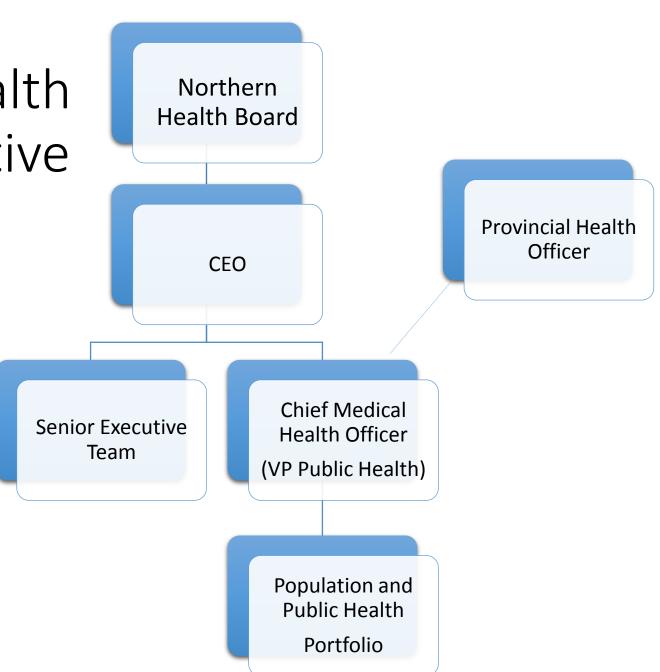


Peer Group E	Peer Group H
Members	Members
Northeast, B.C.	Northwest, B.C.
Yukon	Northern Interior, B.C.
Northwest	Prairie North, SK
Territories	
Central Zone, AL	Prince Albert, SK
North Zone, AL	Parkland, MB
South Eastman, MB	Northwestern, ON
	Region du Nord, QU
	Region de la Cote, QU
	Labrador-Grenfell

620 000 km²
288 000 people
18% Aboriginal population
~3400 children per year of age

Over 80 FN Communities
30 Municipalities
3 HSDAs/ 17 LHAs
School Districts
RCMP Districts
Regional Districts and
Regional Hospital Districts

Northern Health Senior Executive Leadership



Functions of Public Health

- Disease Prevention
- Injury Prevention
- Health Promotion
- Health Protection
- Health Needs Assessment
- Emergency Preparedness

Population and Public Health Portfolio CMHO **Population Health PH Protection** Preventive PH Surveillance MHO **EPH** CD **Health Behaviours Immunizations** Licensing Settings and populations Health and RD **ECD**

Public Health Protection

Environmental Public Health

- Air and water quality, food safety, personal service establishments
- Enteric disease investigations

Community Care Facility Licensing

- Residential care facilities
- Daycares

Health and Resource Development

Mitigating impacts of industrial development

Preventive Public Health

Communicable Disease Control Immunization programs
Healthy Child Development

Prenatal to school age

Sexual and Reproductive Health

Harm Reduction

Population Health Programs

Healthy Living and Chronic Disease Prevention

- Tobacco reduction
- Physical activity
- Healthy nutrition
- Mental Wellness
- Injury Prevention

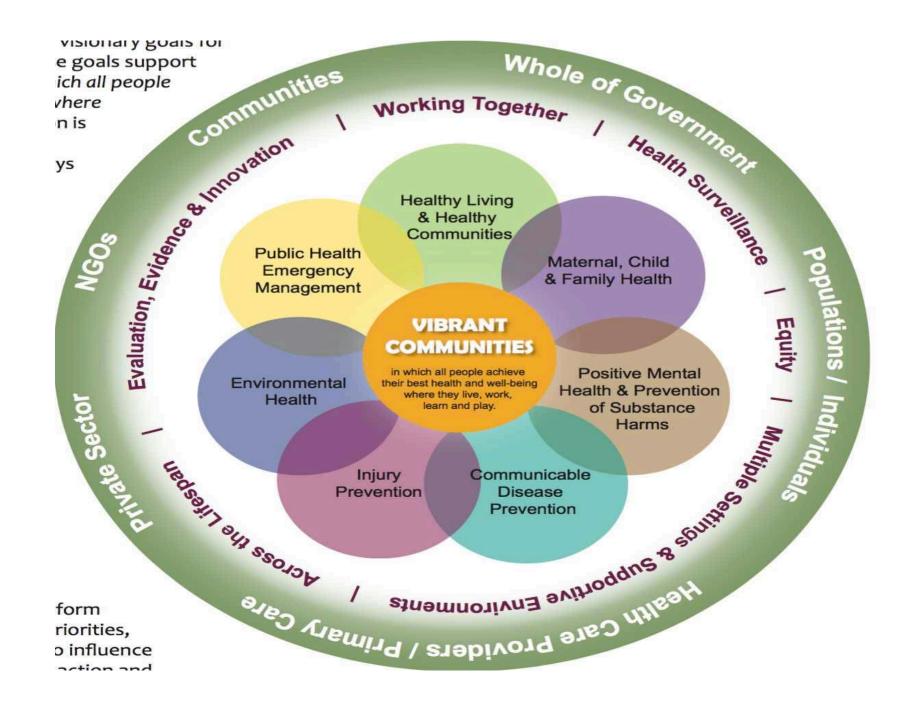
Healthy Communities and Schools

- Comprehensive School Health
- Healthy Community Development
- Healthy Public Policy

Surveillance and Reporting

Medical Health Officers

Public Health Emergency Preparedness



Guiding Framework for PH in BC

PUBLIC HEALTH STRATEGIES

HFAITH PREVENTIVE HEALTH ASSESSMENT & **HEALTH** STRATEGIC FRAMEWORK **PROMOTION** PROTECTION INTERVENTIONS SURVEILLANCE Healthy Living, Wellness & Chronic Disease Prevention **HEALTH** Healthy Living (healthy eating, physical activity, tobacco cessation, etc.); Healthy Communities; Food Security; Mental IMPROVEMENT Health Promotion & Prevention of Mental Disorders; Chronic Disease Prevention Maternal Child Health Reproductive Health & Prevention of Disabilities; Healthy Development (infant/child, child/youth); Dental Health LENSES PREVENTION Communicable Disease and Prevention of Harm OF DISEASE, Communicable Diseases; Harms Associated with Substances INEQUITIES **INJURY & Injury Prevention** ILLNESS **CORE PROGRAMS** Unintentional Injuries; Violence, Abuse & Neglect **Healthy Built & Natural Environments** ∞ಶ **ENVIRONMENTAL POPULATIONS** Air Quality; Water Quality; Food Safety; Healthy Community Environments; Healthy Care Facilities HEALTH PUBLIC HEALTH **Public Health Emergency Management EMERGENCY** (Preparation, Response, Recovery, Mitigation) MANAGEMENT

PROVINCIAL-LEVEL FUNCTIONS & INFRASTRUCTURE

Public Health Human Resources; Information Systems; Information & Knowledge Transfer, Funding Levels; Policy, Legislation & Regulation; Accountability

Healthy Families BC Policy Framework

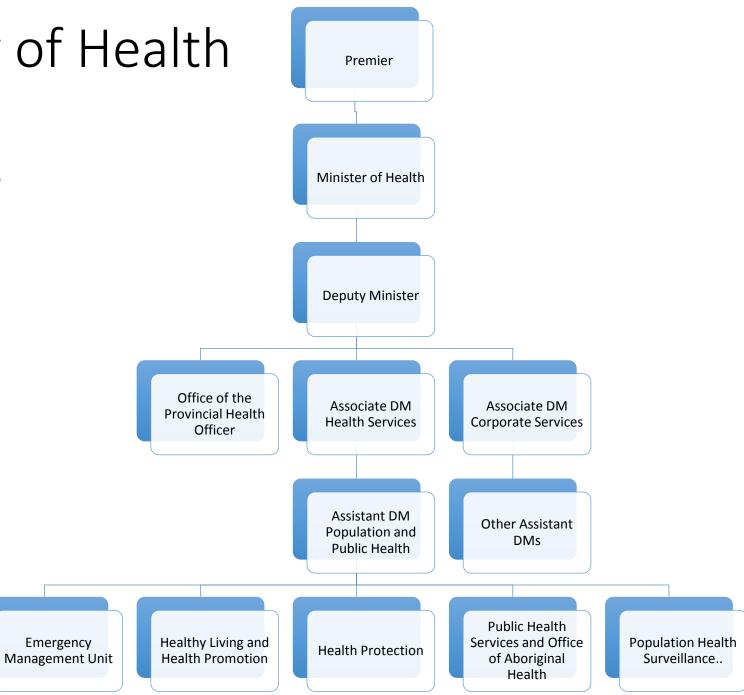
Key

Outcomes Focused Intervention **Guiding Framework** The Approach Goals Streams ✓ Achieve Measures & Healthy Living & · Healthy Eating **Targets** Use Multiple Tools of Physical Activity Healthy DIGITAL INFRASTRUCTURE · Tobacco Control Influence ✓ Improve Communities Health SOCIAL MARKETING Tailor Action Across the **Outcomes** Life Course Maternal, Child & Healthy Early Childhood ✓ Decrease Family Health Development Deliver within Key Settings **Inequities** Address Health Inequities ✓ Increase Positive Mental Health · Positive Mental Health · Culture of Moderation for Utilize Behavioural & Prevention of Sustainability Alcohol Use Substance Harms Sciences ✓ Reduce **System Demand** · Injury Prevention Injury Prevention

BC Ministry of Health Overview

Emergency

• It's complicated.



Health Partners in BC

Ministry of Health
Office of the Provincial Health Officer
Health Authorities

Regional Health Authorities (5)
First Nations Health Authority
Provincial Health Services Authority
(It's complicated.)















Don't forget:

Health Insurance BC

Patients

Colleges, Boards, Commissions

Vendors

Health Partners in BC

Ministry of Health
Office of the Provincial Health Officer

Health Authorities

Regional Health Authorities (5)

First Nations Health Authority
Provincial Health Services Authority
(It's complicated.)















Don't Forget:
Health Insurance BC
Patients
Colleges, Boards, Commissions
Vendors

Provincial Health Services Authority *Agencies*

- BC Cancer Agency
- BC Children's Hospital & Sunny Hill Health Centre for Children
- BC Emergency Health Services
- BC Mental Health and Addiction Services
- BC Centre for Disease Control



BC Centre for Disease Control

- BC Renal Agency
- BC Transplant
- BC Women's Hospital & Health Centre
- Cardiac Services BC
- Perinatal Services BC



Provincial Health Services Authority Programs and Services

- Provincial Occupational Health
 Population and Public Health and Safety Services
- BC Autism Assessment Network
- BC Early Hearing Program
- BC Surgical Patient Registry
- Indigenous Health
- LML Pathology and Lab Medicine
- Mobile Medical Unit.
- Health Emergency Management BC

- Provincial Language Services
- Services Francophones
- Stroke Services BC
- Trans Care BC
- Trauma Services BC
- Provincial Infection Control Network of BC

BC Centre for Disease Control *Services*

Clinical Prevention Services

- TB services
- STI/HIV prevention and control
- Hepatitis services

Communicable disease prevention and control services

PH Emergency Management

Environmental Health

Immunization Programs

BC Centre for Disease Control *Resources*Clinical Resources Professional Resource

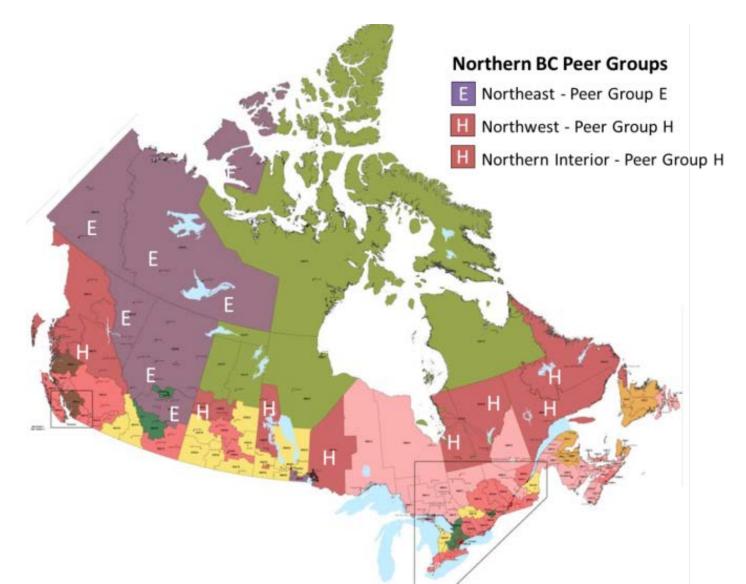
- Antimicrobial Resistance
- Case Definitions
- Communicable disease control
- Harm Reduction
- Immunization guidance

- Laboratory Services
- Surveillance Forms
- Vaccine and Pharmacy Services
- Health Equity and Environmental Health

Data and Reports

Education and Development

Rural PH opportunities and challenges









How Healthy Are Rural Canadians?

https://secure.cihi.ca/free_products/rural_canadians_2006_report_e.pdf

- Geography and weather, health HR, service allocation, funding models
 - Impacts access to preventive and diagnostic services and providers
- Determinants of health, including lower incomes and levels of education
 - Impacts health behaviours

- Higher overall mortality rates are a consequence.
 - Cardiovascular disease, respiratory disease, injuries, suicide

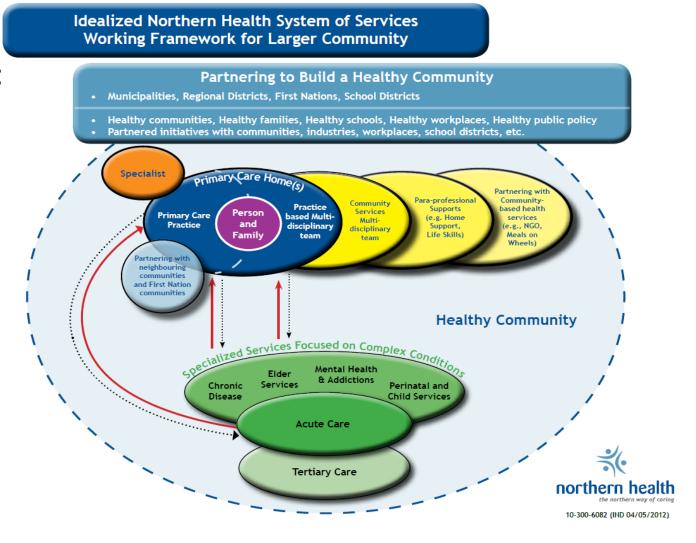
Northern Health Authority: Addressing Challenges in Rural Primary Health Care

Implementation of an integrated primary health care system inclusive of:

- Public health
- Home and community care
- Mental Health and addictions

Providing coordinated services for key populations:

 Perinatal and children, frail elderly, chronic diseases, mental health and substance use



The Vision of Primary Health Care in Northern BC

- Holistic cradle to grave, full scope primary health care
- Person and family centered manner
- Generalist community health nurse full scope of competency
- Supported by inter-professional care teams and specialized programs
- Facilitated by technology, EMRs, and outreach
- Embedded in healthy communities
- Applying an equity lens, and
- Focused on improving population health

Thank you!!