

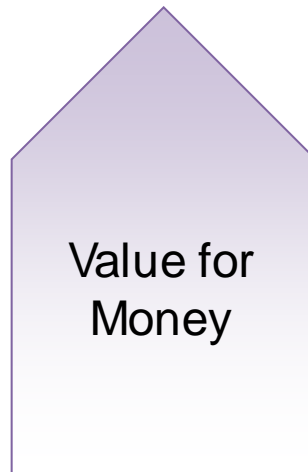
British Columbia Centre for Disease Control as a Knowledge Organization



BC Centre for Disease Control
An agency of the Provincial Health Services Authority



The Triple Aim



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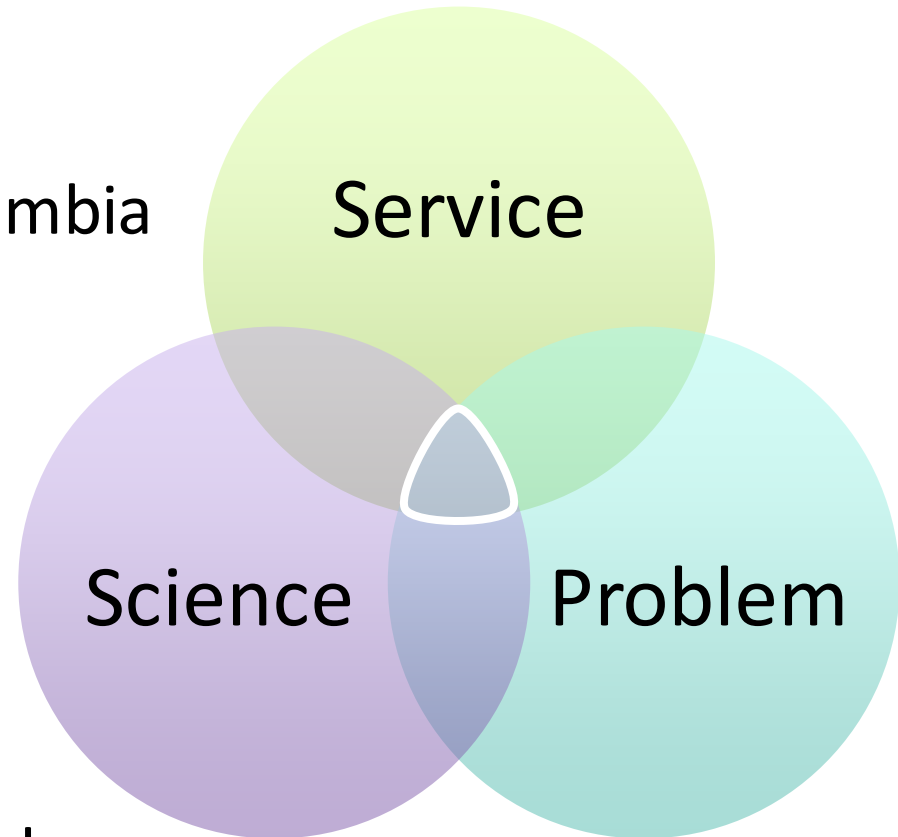


BCCDC as a Knowledge Organization

- Science-based prevention programs
- BCCDC supports the Provincial Health Services Authority (PHSA), Provincial Health Officer (PHO), and Medical Health Officers (MHOs) carry out their public health responsibilities through a Memorandum of Understanding (MOU) and PHO delegation status in which scientific analysis is a specified expectation

Embedded Research in a Service Model at BCCDC

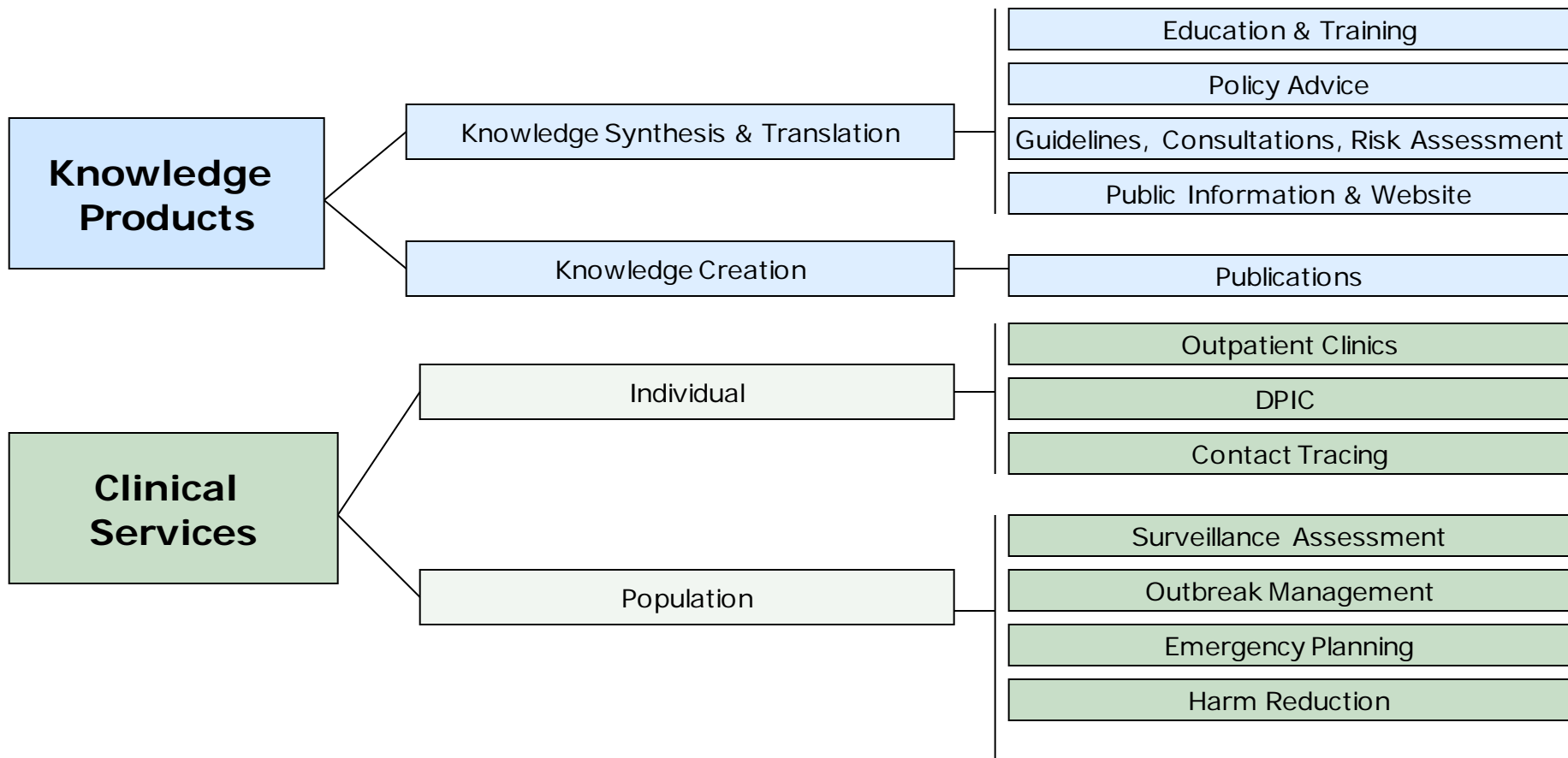
- Academic Affiliations
 - University of British Columbia
 - Simon Fraser University
- Approaches
 - Social sciences
 - Molecular sciences
 - Mathematics & Epidemiology
 - Causality testing
 - Models



Research Themes at BCCDC

- Efficacy and cost-effectiveness
- Communication and health policy
- Emerging infectious diseases
- Food and water borne disease
- Vaccine and immunology
- Knowledge translation and diffusion of innovation
- Mathematical modeling
- Genomics
- Electronic public health

BCCDC Value Streams



Impacts: Internal Indicators

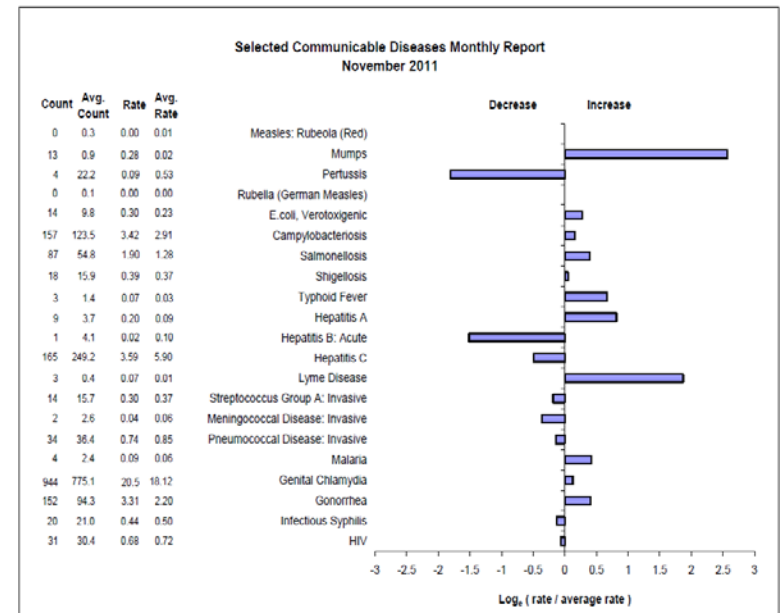
- Presentations to Communicable Disease Policy and Environmental Health Advisory groups (PH)*
- Guidelines, policy papers and research articles (PH)
- Consultations and risk assessments (PS)
- Outbreak investigations (PH)
- Customer service (PS)

*PH = Population Health, PS = Patient Satisfaction, VFM = Value for Money

Impacts: External Indicators

- 2 year old vaccine coverage rates (PH)
- % TB patients starting treatment in 24 hours (PS)
- Select communicable diseases (PH)
- Vaccine wastage (VFM)
- Clinic visits (VFM)
- Clinic wait times (PS)
- Complaints (PS)

Monthly Incidence of Selected Communicable Diseases



Challenges

- Process indicators are relatively easy to collect but are several steps away from health outcomes
- Outcome indicators are complex because of intermediaries and multiple actors
- Use of attribution and contribution mapping techniques (October 2012 CIHR Workshop)
- How do we measure events that did not happen?