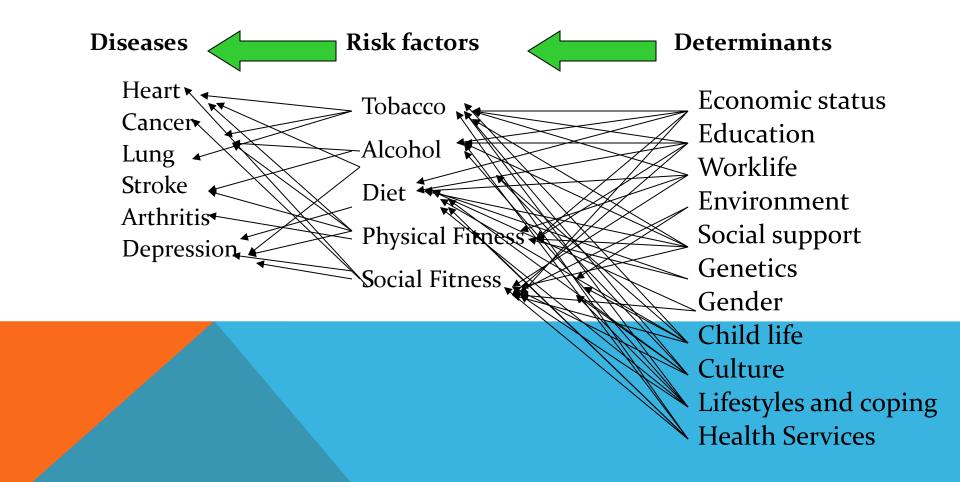
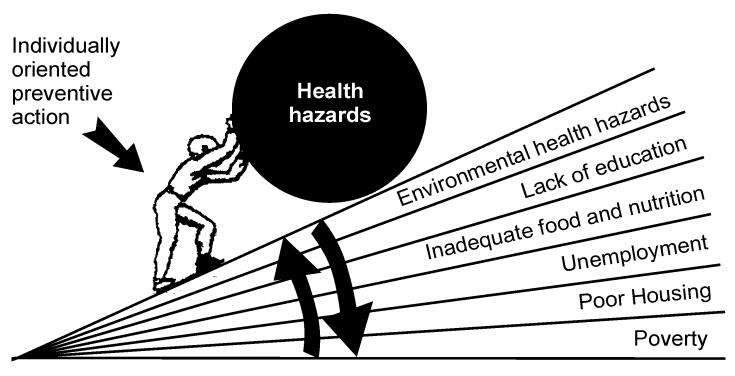
USING BIG DATA TO DO BIG THINGS COMING TOGETHER FORUM PAULHASSELBACK MAT 6.2015

DETERMINANTS OF HEALTH



The Health Gradient



Source: adapted from Making Partners: intersectoral action for health.

THINKING **BIG**

Values

Impact

Changes

Emotions

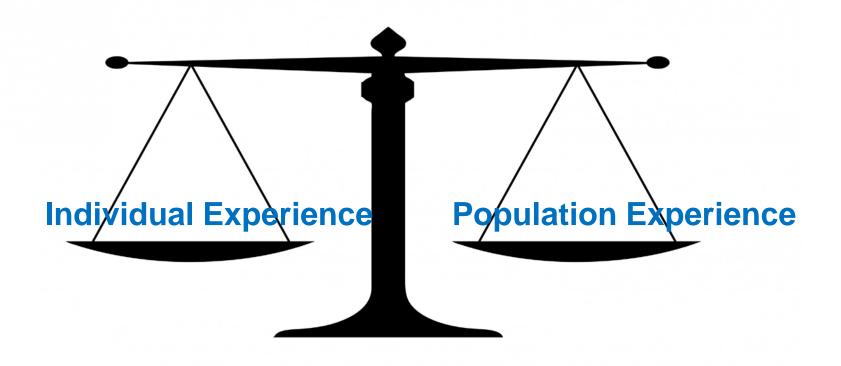
Numbers

Differences

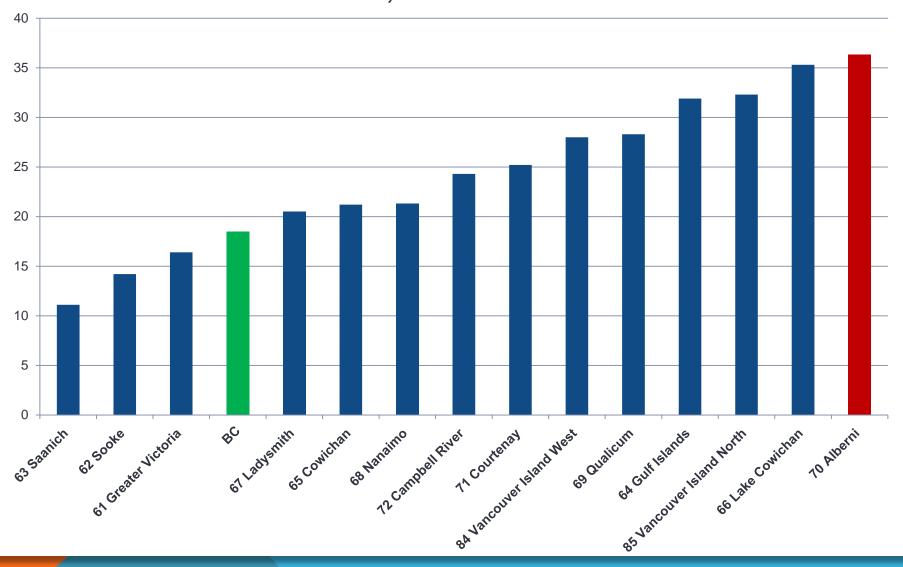
BIG VALUES

- What does your community value the most?
- What do you value the most?

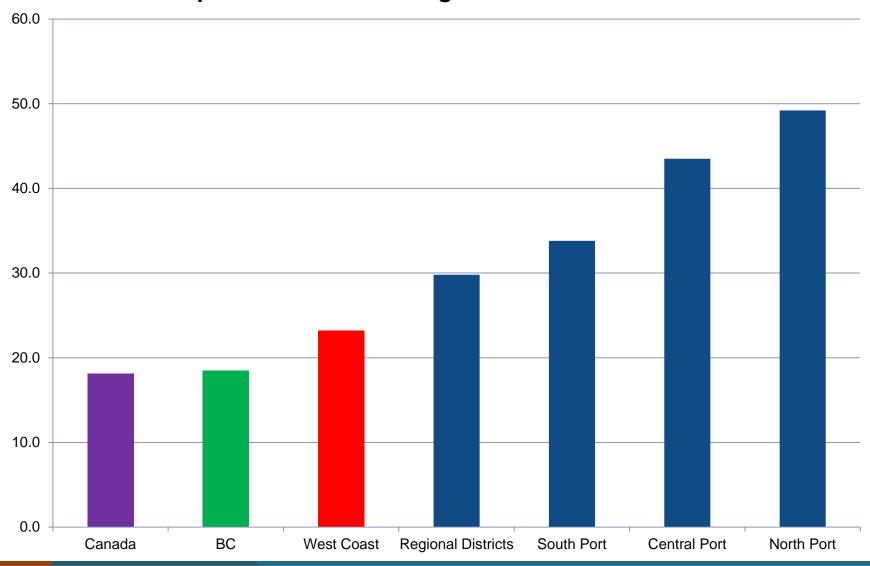
WEIGHING THE BENEFITS



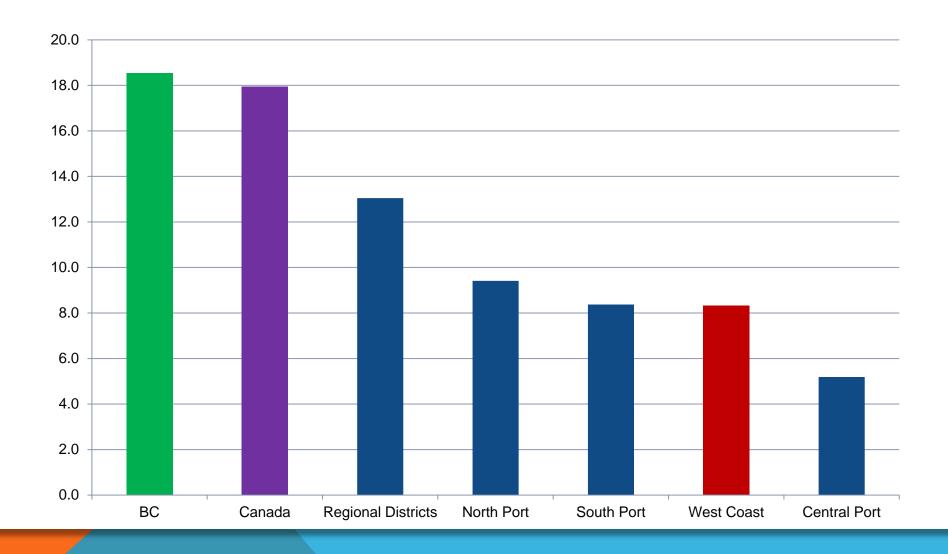
Percentage of Children less than 6 years Living in Low-Income, 2011 Census



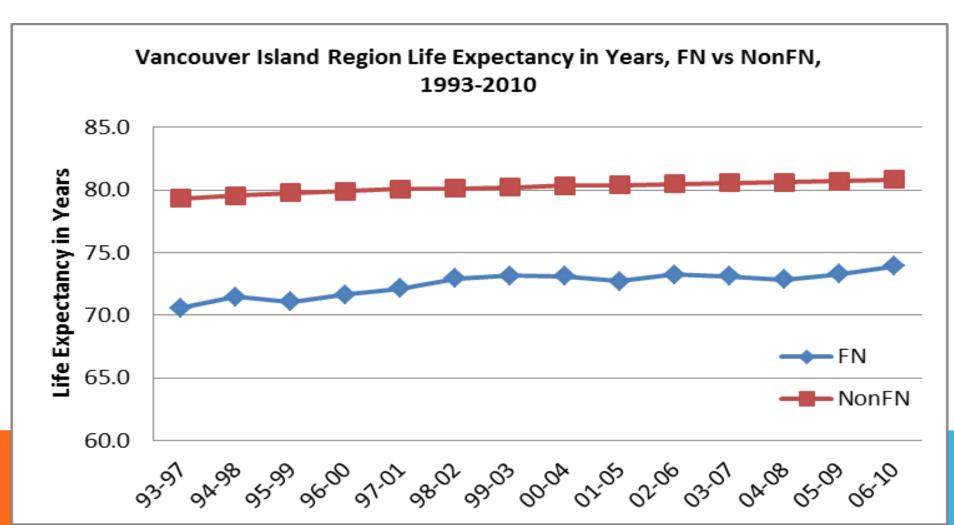
Prevalence of Low-income based on LIM (after tax) for Population under 6 living in Private Households



% HIGH INCOME FAMILIES



VALUE - EQUITY

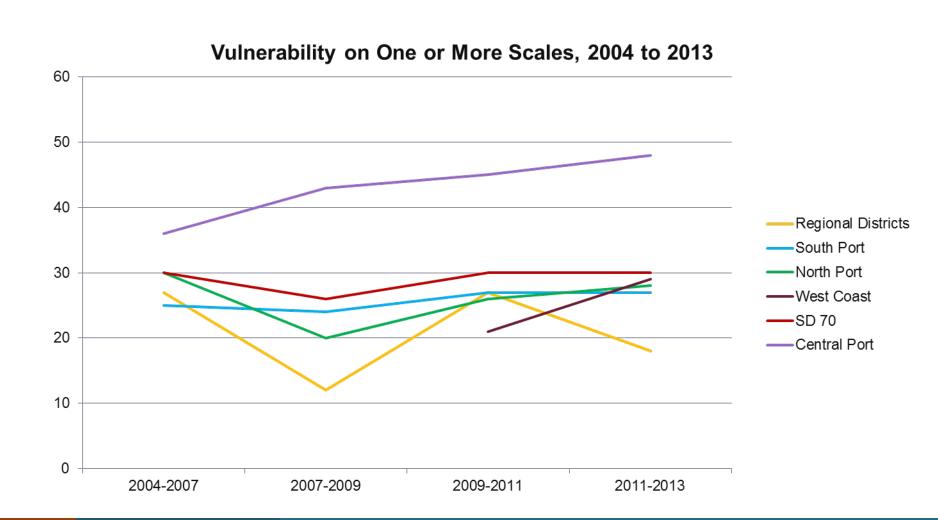


Source: BC Vital Statistics Agency, data as of April 17, 2012 (First Nations individuals identified through linkage to the First Nations Client File

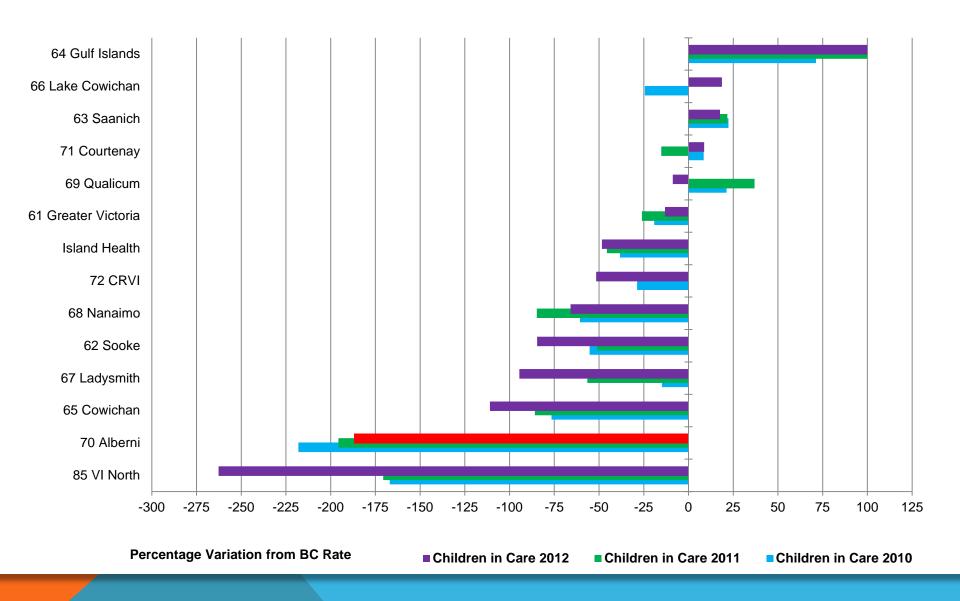
BIG NUMBERS

- What just feels like it is too little or too much?
- What causes the most number of problematic events?

EARLY DEVELOPMENT INDEX 2004-2013



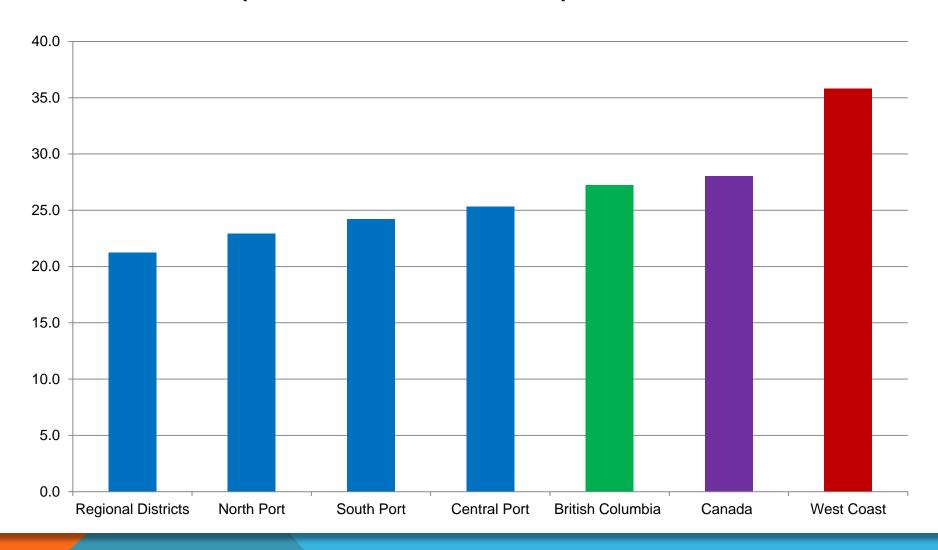
Children in Care Island Health, 2010 - 2012



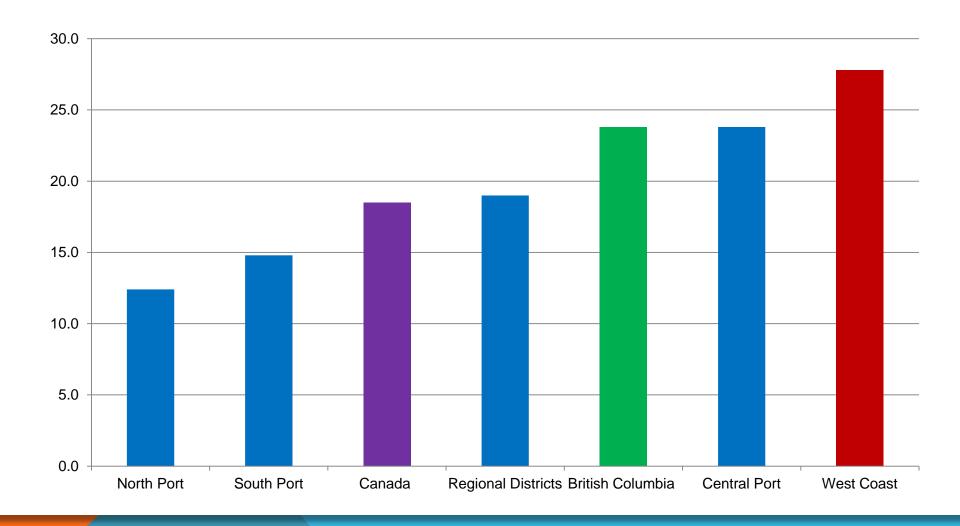
BIG DIFFERENCES

What stands out when compared with others

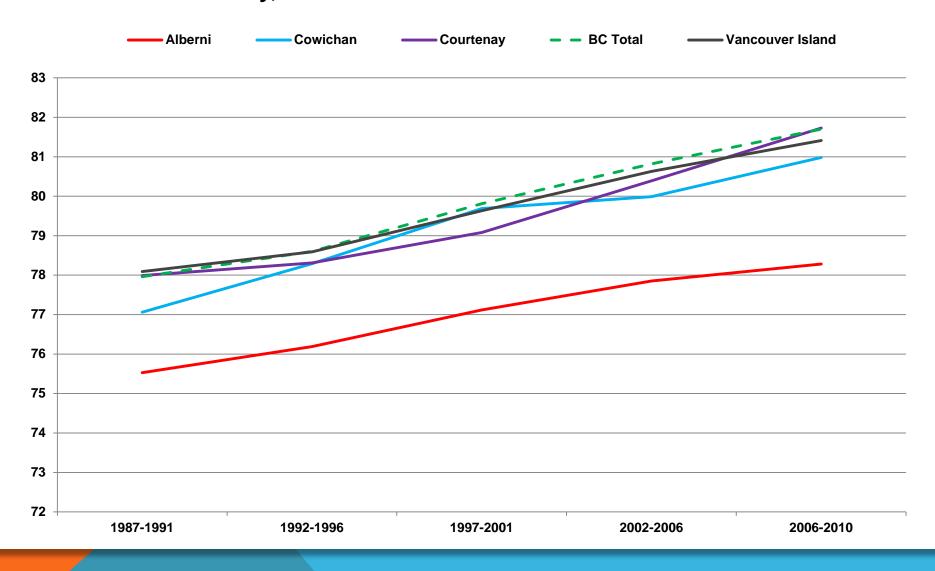
% SINGLE (NEVER MARRIED)



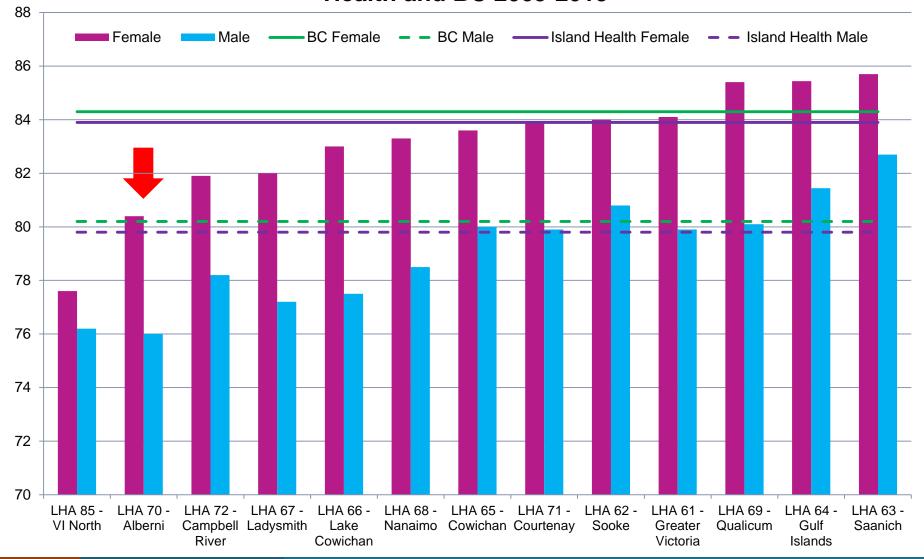
% SPENDING OVER 30%



Life Expectancy of Alberni Residents Compared to Cowichan, Courtenay, Island Health and BC 1987-1991 to 2006-2010

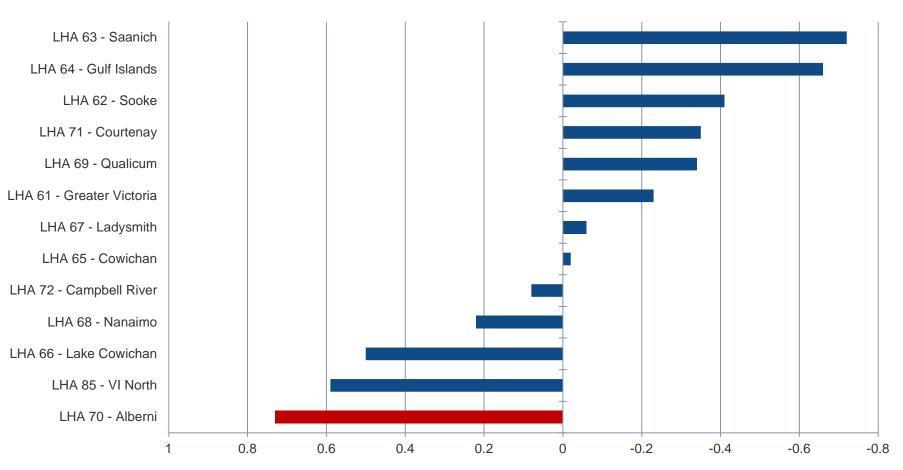


Life Expectancy of Island Health Residents Compared to Island Health and BC 2009-2013

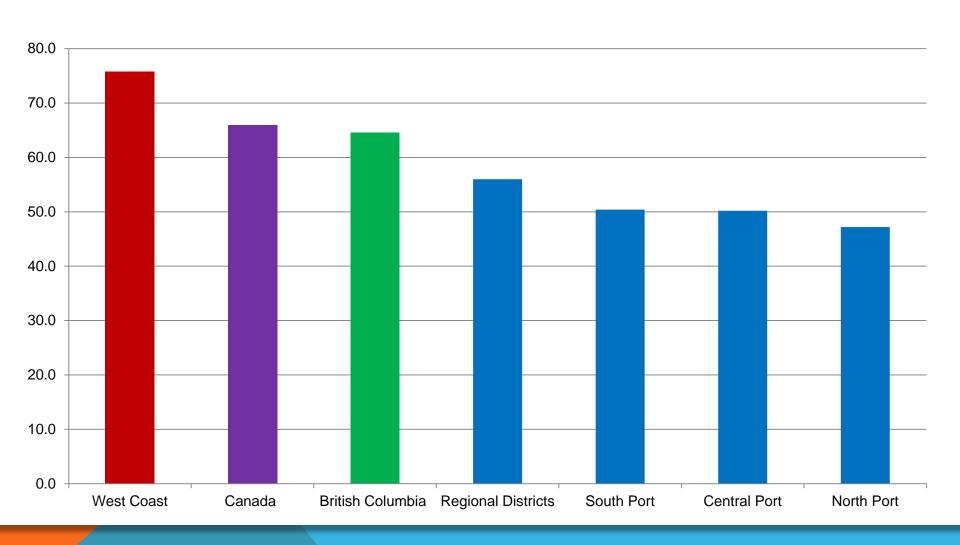


BC STATS SOCIO-ECONOMIC INDEX

Socio-Economic Index - 2012 BC Stats



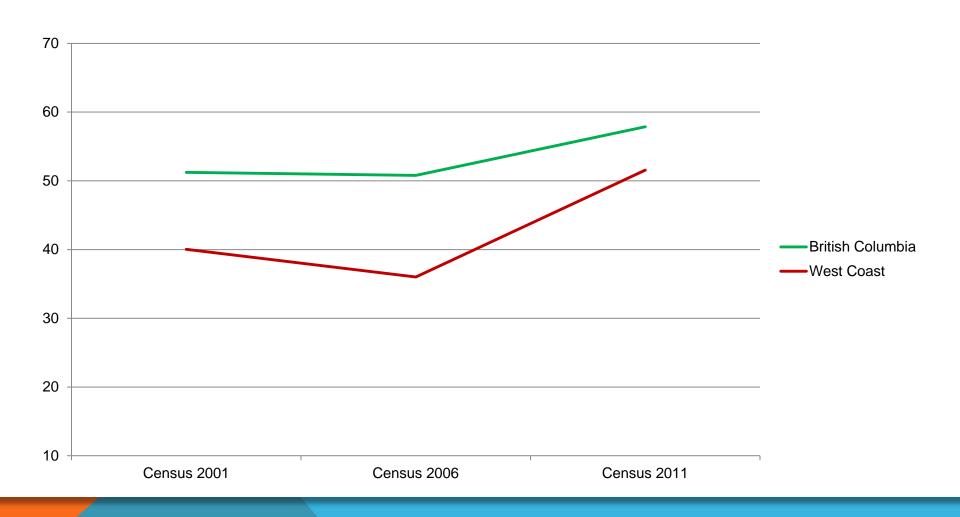
LABOUR FORCE PARTICIPATION



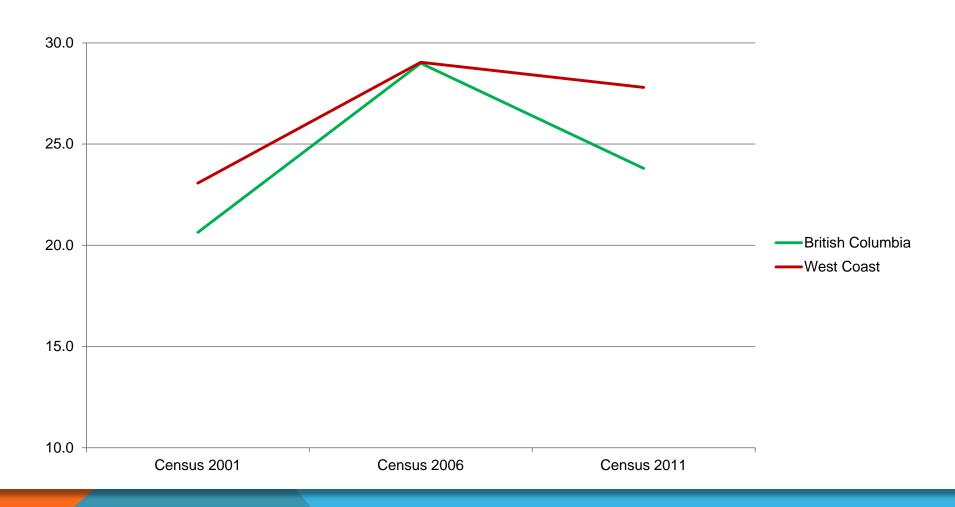
BIG CHANGES

- Monitoring data over time.
 - Downward trending (or something bad getting more common).
 - Upward trending (or something getting better).
 - No changes (may be good or bad).

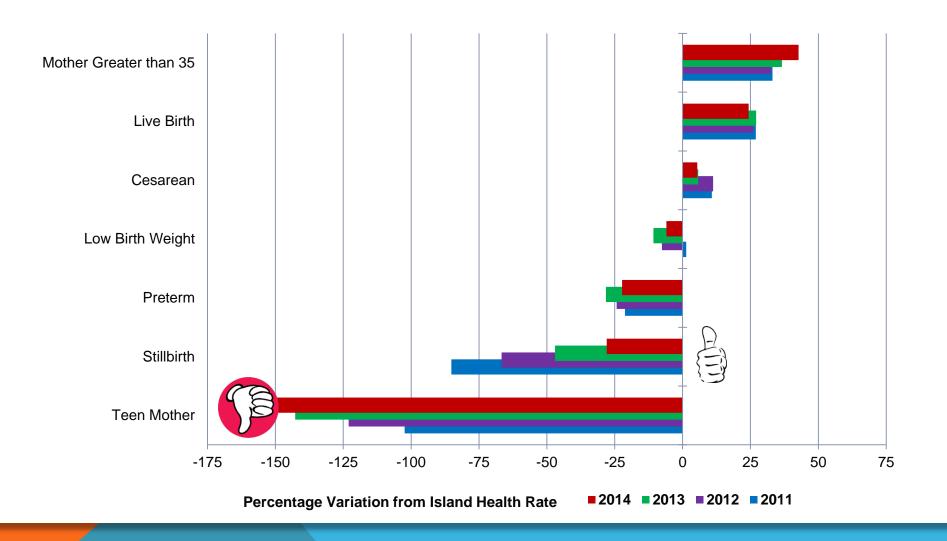
% OF MARRIED OR LIVING COMMON-LAW FAMILIES OVER THREE CENSUS



% SPENDING >30% OF INCOME ON ACCOMMODATION OVER TIME.



BIRTH STATISTICS

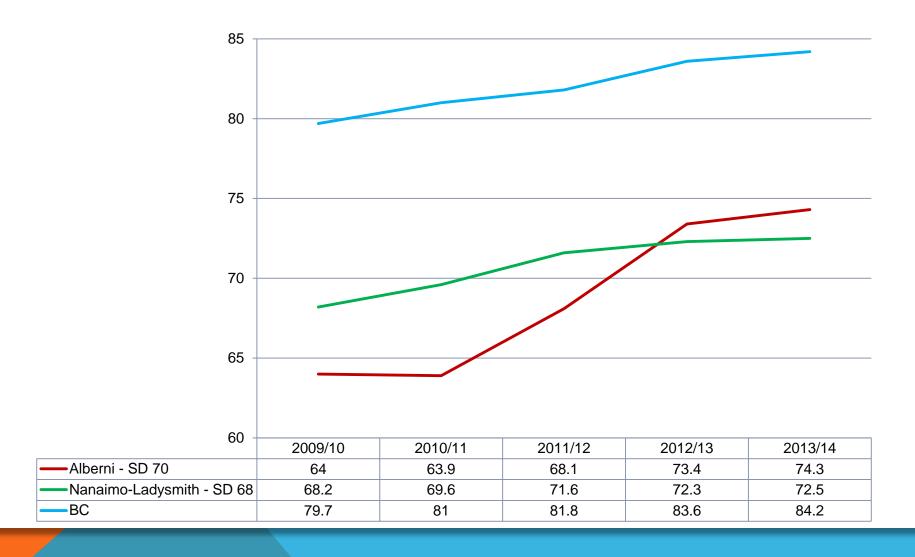


BIG IMPACT

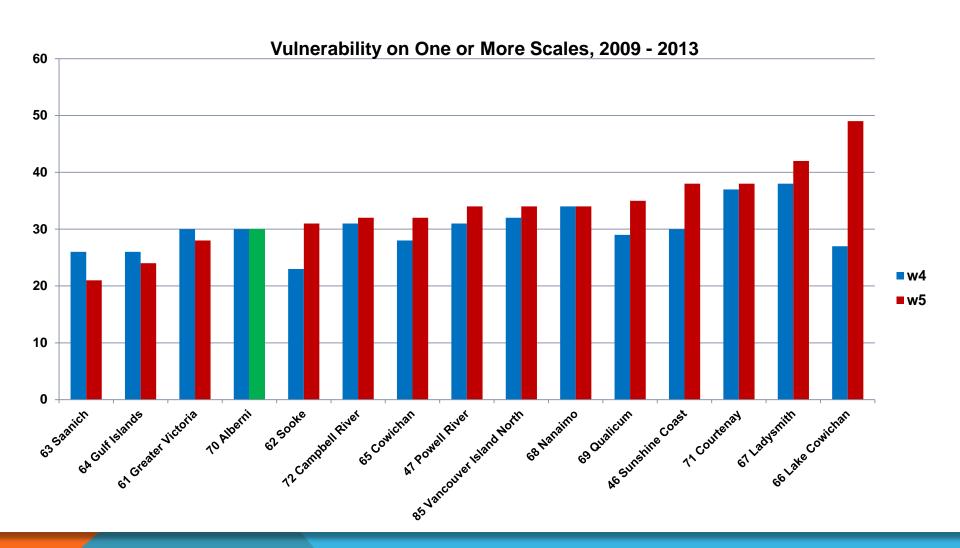
Attributable risk fraction Preventable fraction

What can you do that will make a difference locally?
Internally directed actions
Externally directed activity

HIGH SCHOOL SIX YEAR GRADUATION RATE



EDI VULNERABILITY BY LHA



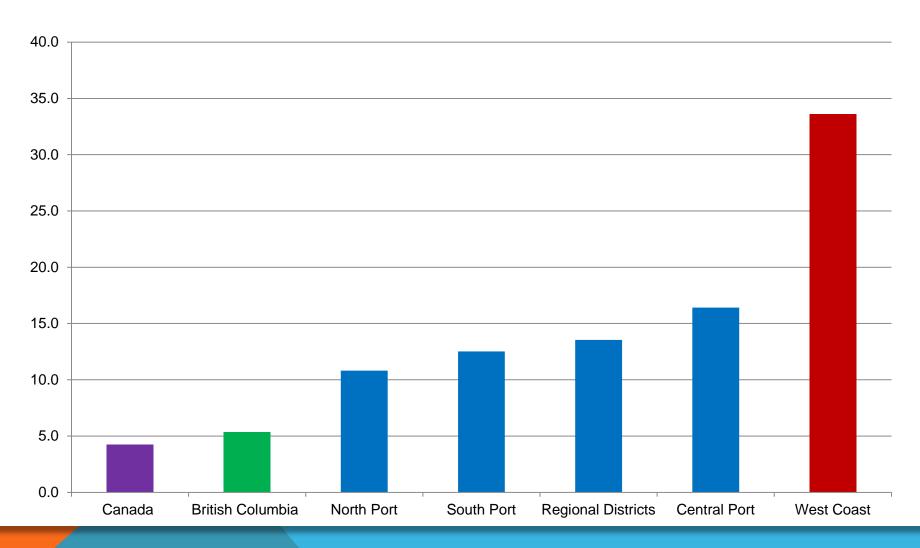
BIG EMOTIONS

Feeling good facilitates doing more and better.

Early wins

Celebrations of success

% ABORIGINAL



DATA DRIVEN ACTION

Information is a catalyst for change.

Data empowers people.

Data enables decision makers to improve the quality of their decisions.

Data may dissuade poorer decisions.



KEY DATA SOURCES

Census and National Household Survey

http://www12.statcan.gc.ca/nhs-enm/2011/as-sa/fogs-spg/?Lang=E

LHA profiles http://www.viha.ca/mho/stats/lha_profiles.htm (2010-2013)

McCreary adolescent health survey

http://www.mcs.bc.ca/2013_AHS_Reports

HELP http://earlylearning.ubc.ca/maps/edi/nh/

BC Statistics http://www.bcstats.gov.bc.ca/Home.aspx

SUMMARY

Many dimensions - slicing and dicing is driven by values
Process of getting there just as important as outcome
Different people have different perceptions - guided by
their personal values
transparency and equity
"Own the podium"

Big wins come with Big effort

Big effort follows from Big Commitment