



Operationalizing the Canadian Suicide Surveillance Indicator Framework

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May 2, 2019



Disclosure Statement

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

The Federal Framework for Suicide Prevention

Vision:

- A Canada where suicide is prevented and everyone lives with hope and resilience.

Strategic Objectives:

- Reduce stigma and raise public awareness
- Connect Canadians, information and resources
- Accelerate the use of research and innovation in suicide prevention

Health Promotion and Chronic Disease Prevention Branch

Centre for Health Promotion

- Lead for the *Federal Framework for Suicide Prevention*
- Policy lead for suicide prevention, mental health, PTSD, family violence, and adolescent and children health

Centre for Surveillance and Applied Research (CSAR)

- Surveillance, epidemiology and applied research for suicide, mental illness, and positive mental health

DEATHS

IDEATION/ATTEMPTS

DATA SOURCES

Vital Statistics, Coroners and Medical Examiners Data

Suicide Deaths

Hospitalizations and Emergency Department (ED) Data

Self-inflicted injuries presenting to ED &/or admitted

Surveys

Population-based surveys
Periodic Surveys

Suicide ideation and deaths

EMERGING DATA



GAPS

4 year time lag
Underreporting of suicides

Limited Coverage
Lack of Identifiers

Self-reported
Limited suicide questions

CRISIS LINE, EMS, POLICE DATA

Utilize existing data not currently accessed by PHAC

SOCIAL LISTENING

Explore new data sources through social media e.g. Facebook, Twitter etc

FILLING GAPS

Strengthen partnerships with Stats Can and CIHI

Address misclassification of deaths
Aboriginal identification

Improve injury data to reflect suicide-related behaviours



INCREASING RISKS INCLUDING COST, PRIVACY AND SENSITIVITIES + INCREASING TIMELINESS, ACCURACY AND ACCOUNTABILITY

Framework Development: Methodology of SSIF

Environmental Scan of Relevant Publications and Existing Data Sources

Develop a Conceptual Framework and Inclusion Criteria for Indicator Selection

Identify Indicators and Apply Inclusion Criteria to Prioritize Indicators

Finalize Indicator Set

Identify Measures and Data Sources; Identify Data Gaps

Analyze Data

Develop Comprehensive Knowledge, Development and Exchange (KDE) Plan

Disseminate Knowledge Products

Ongoing Validation of Indicators and Dissemination Activities

Suicide Surveillance Indicator Framework (SSIF) Infobase

Index Data Tool Publications

Select an item from each list below:

Domain

Individual Determinants

Indicator Group

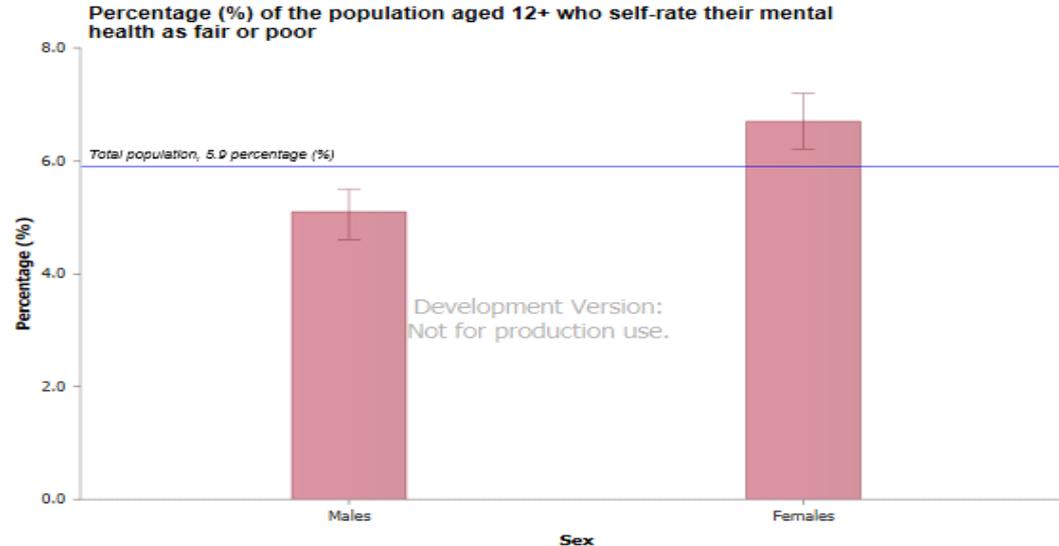
Perceived mental health

Specific Measure

Percentage (%) of the population

Data Breakdowns

Sex
Age group
Highest education level
Household income quintile
Province
Population centre/rural area
Immigrant status



Public Health Infobase
Public Health Agency of Canada
<https://infobase.phac-espc.gc.ca>
email: phac.infobase.aspc@canada.ca

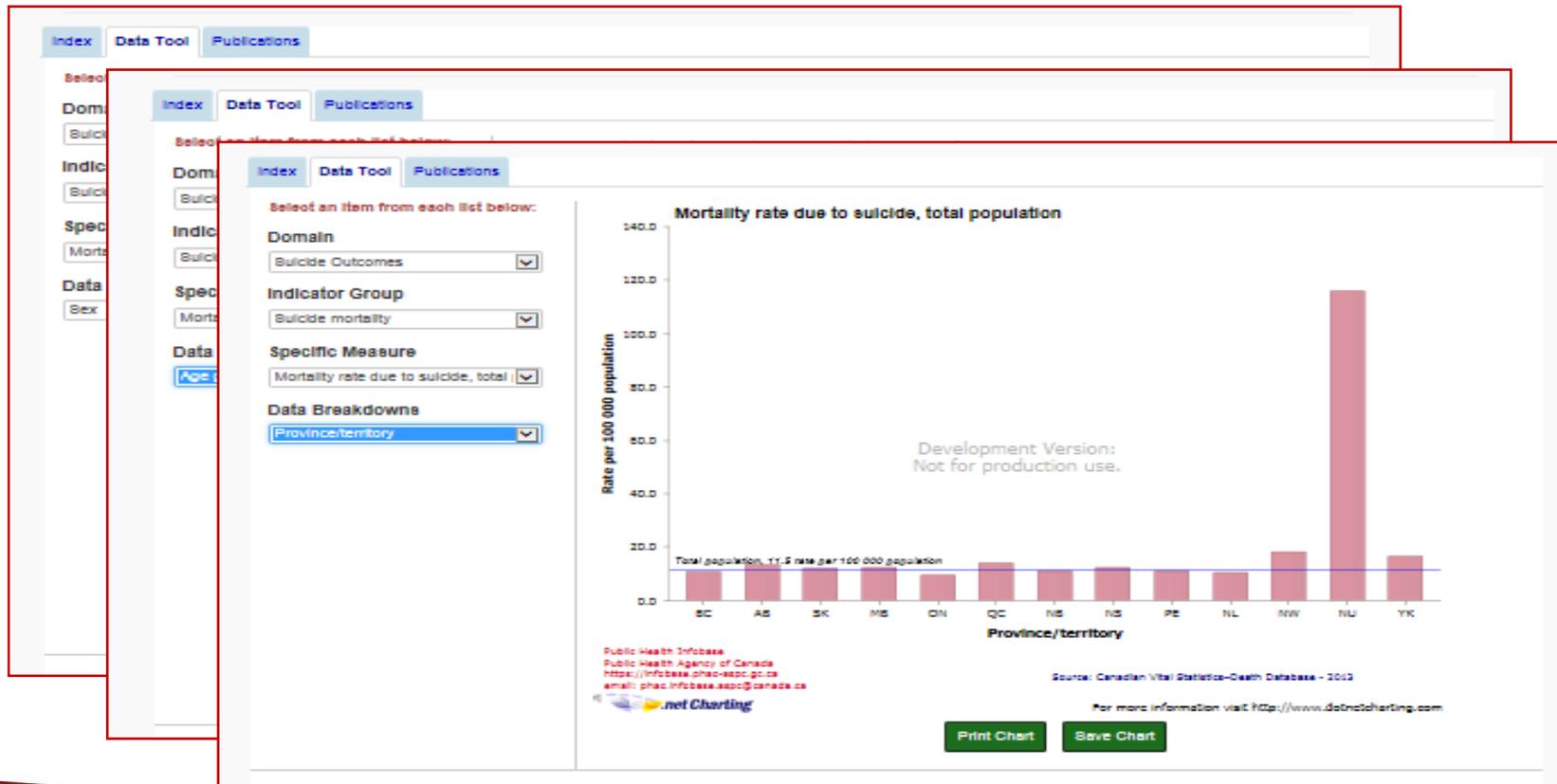


Source: Canadian Community Health Survey - 2015

For more information visit <http://www.dotnetcharting.com>

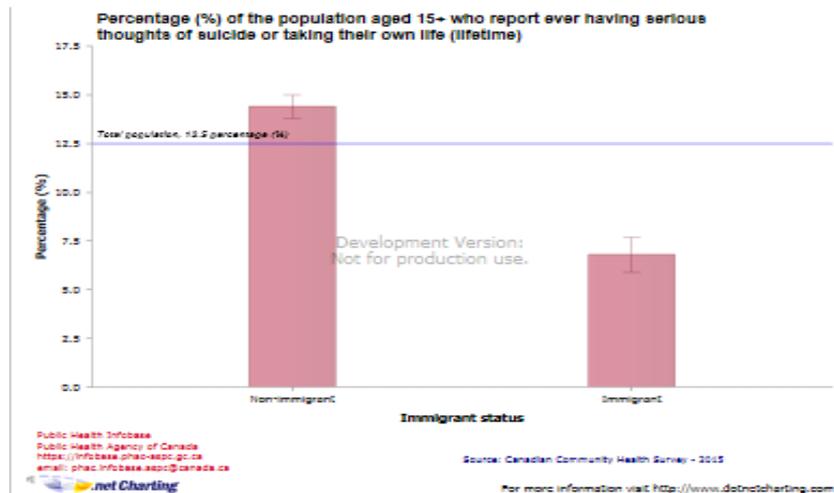
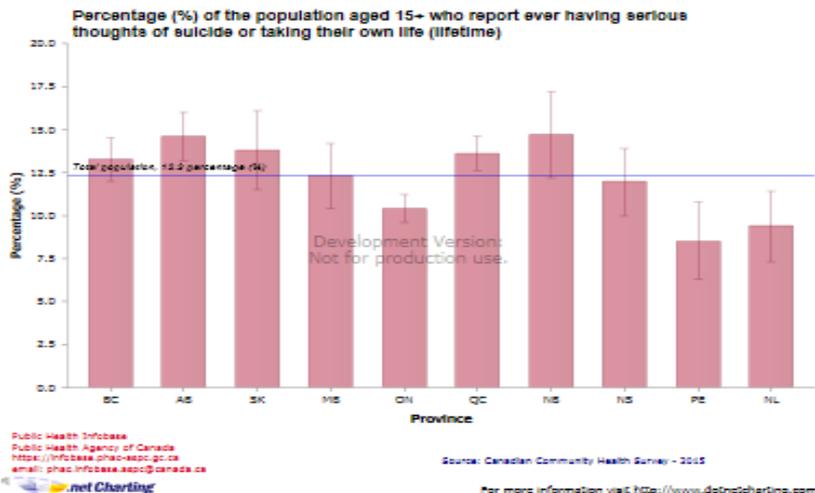
Suicide Surveillance Indicator Framework: Outcomes

Suicide Mortality: by Sex, by Age, & by Province/Territory



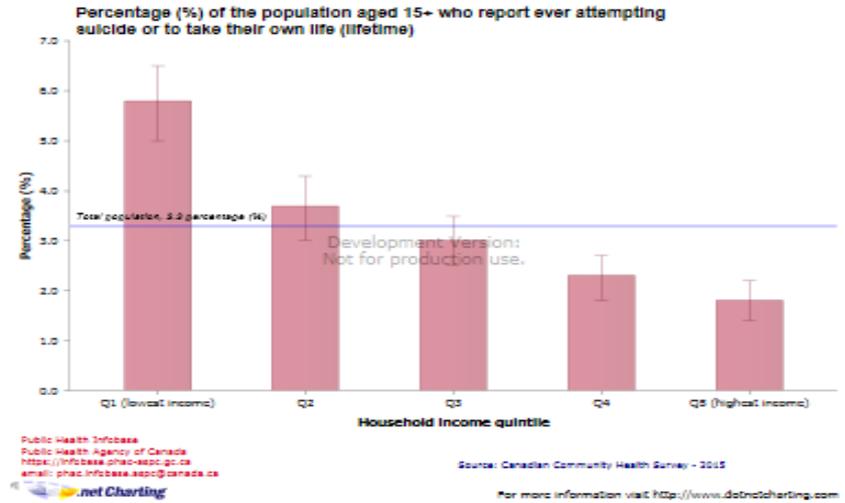
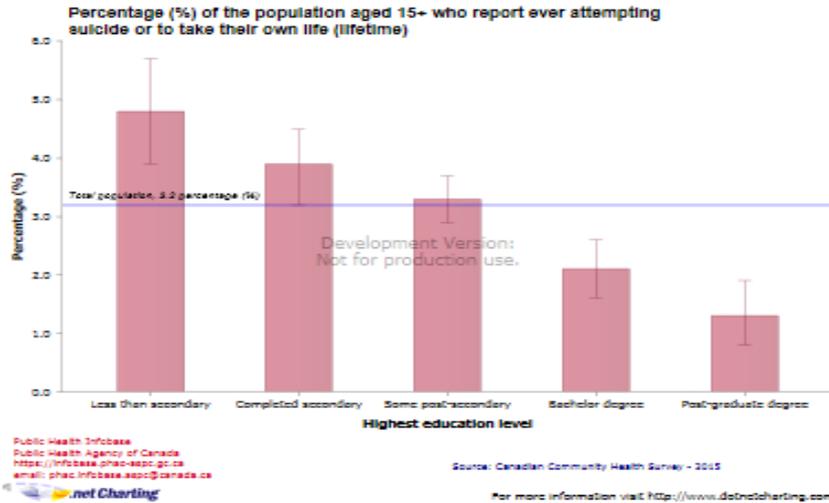
Suicidal Thoughts (Lifetime)

- By Province and Immigrant Status



Suicide Attempts (Lifetime)

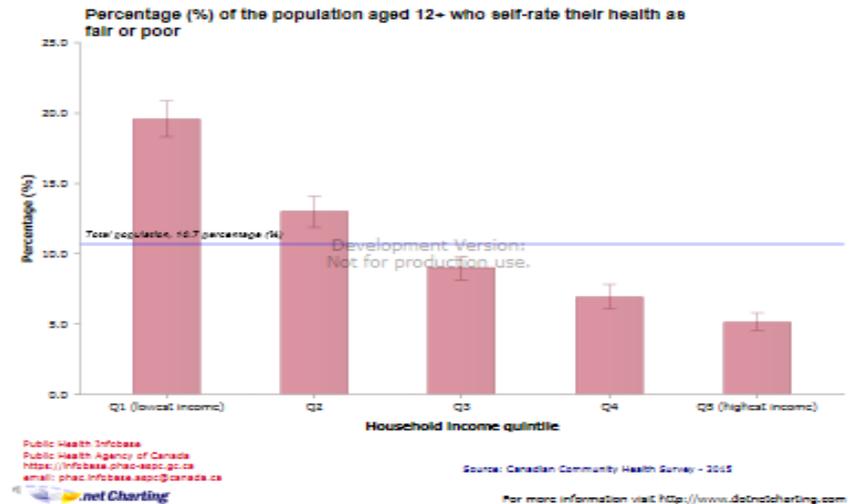
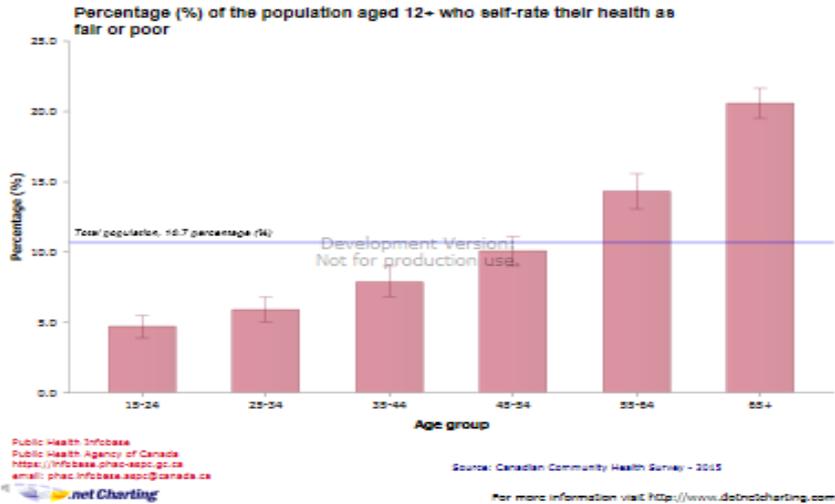
- By Education level and Income



Suicide Surveillance Indicator Framework: Risk and Protective Factors

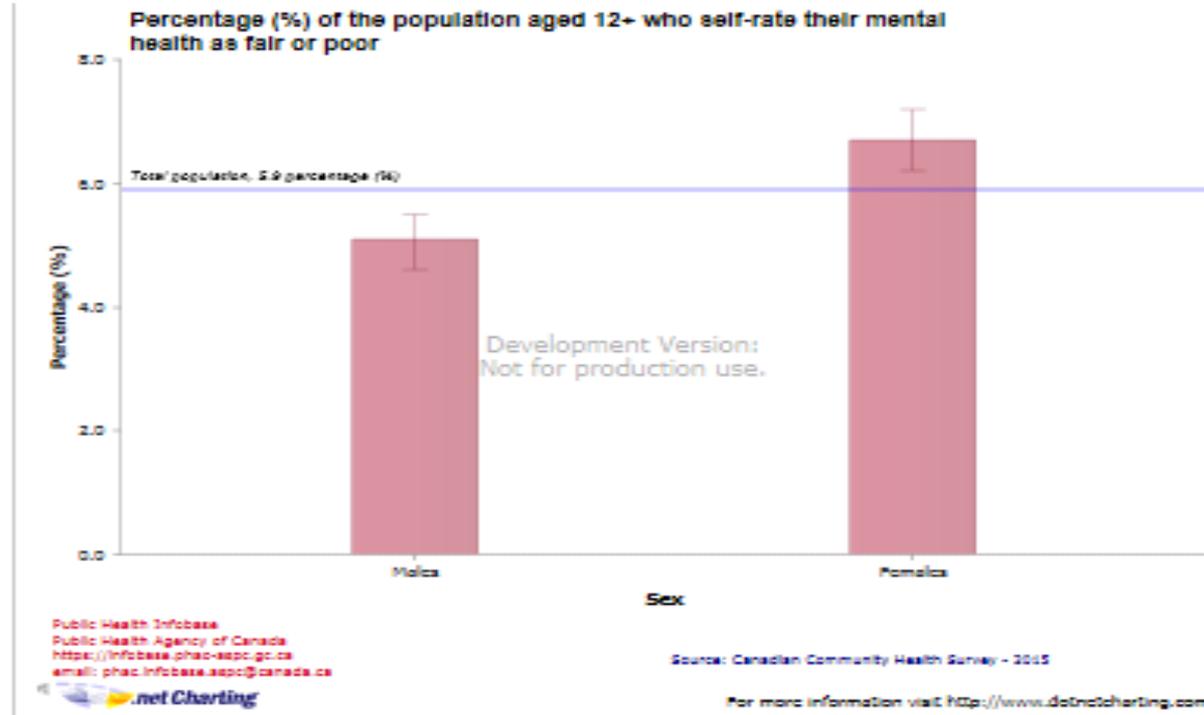
Individual Determinants

- Self-rated health status by Age group and Income

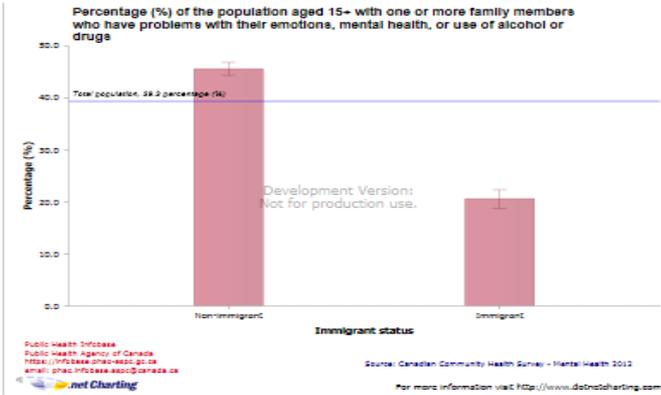
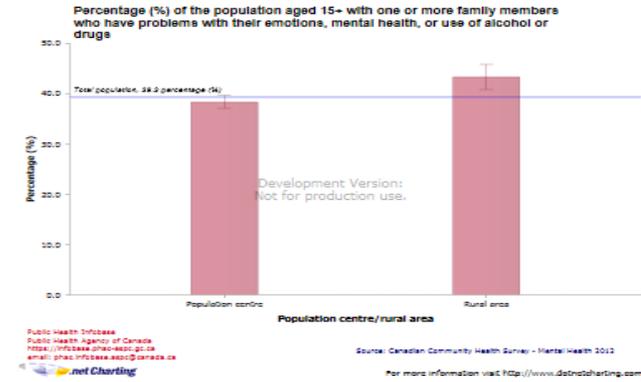
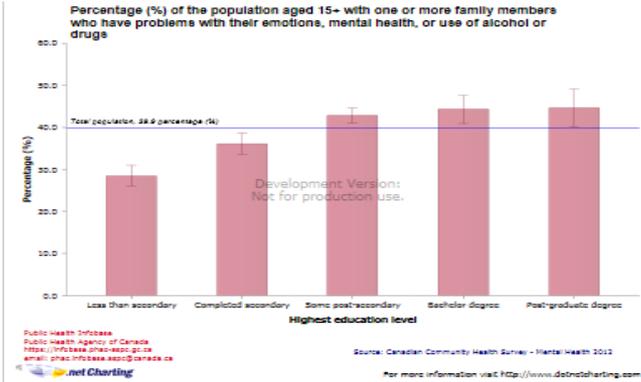
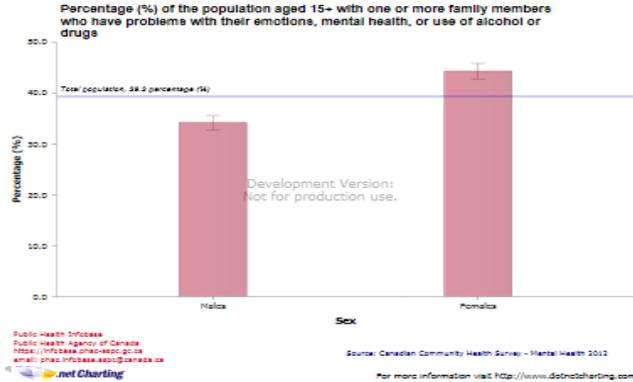


Individual Determinants

- Self-rated mental health status by Sex



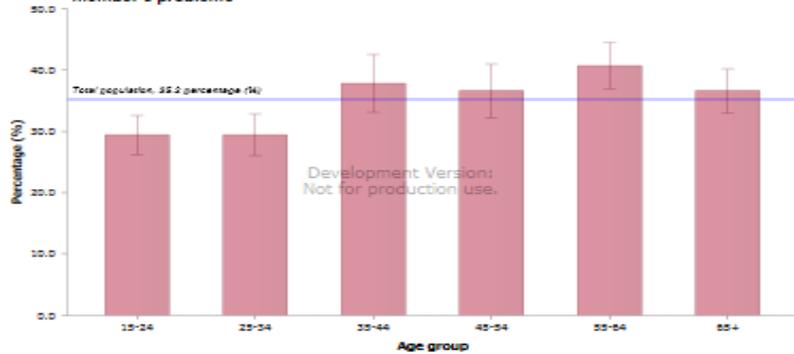
Family Determinants



Family Determinants

- Family History by Age group and Province

I. Among those with one or more family members who have problems with their emotions, mental health, or use of alcohol or drugs, percentage (%) who report that their life is affected some or a lot by their family member's problems

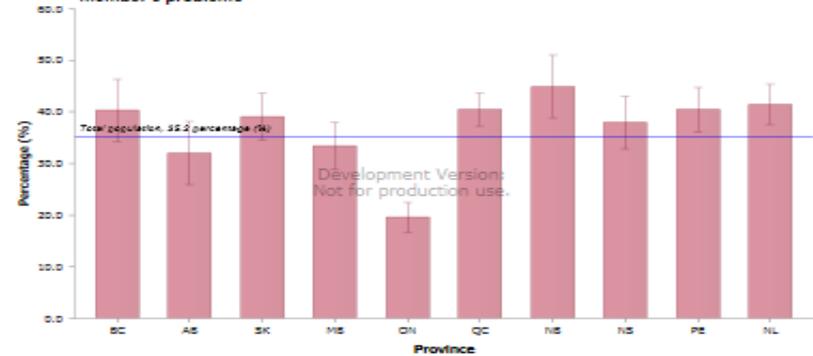


Public Health Infobase
Public Health Agency of Canada
<https://infobase.phac-aspc.gc.ca>
email: phac.infobase.aspc@canada.ca

Source: Canadian Community Health Survey - Mental Health 2012

For more information visit <http://www.datatocharting.com>

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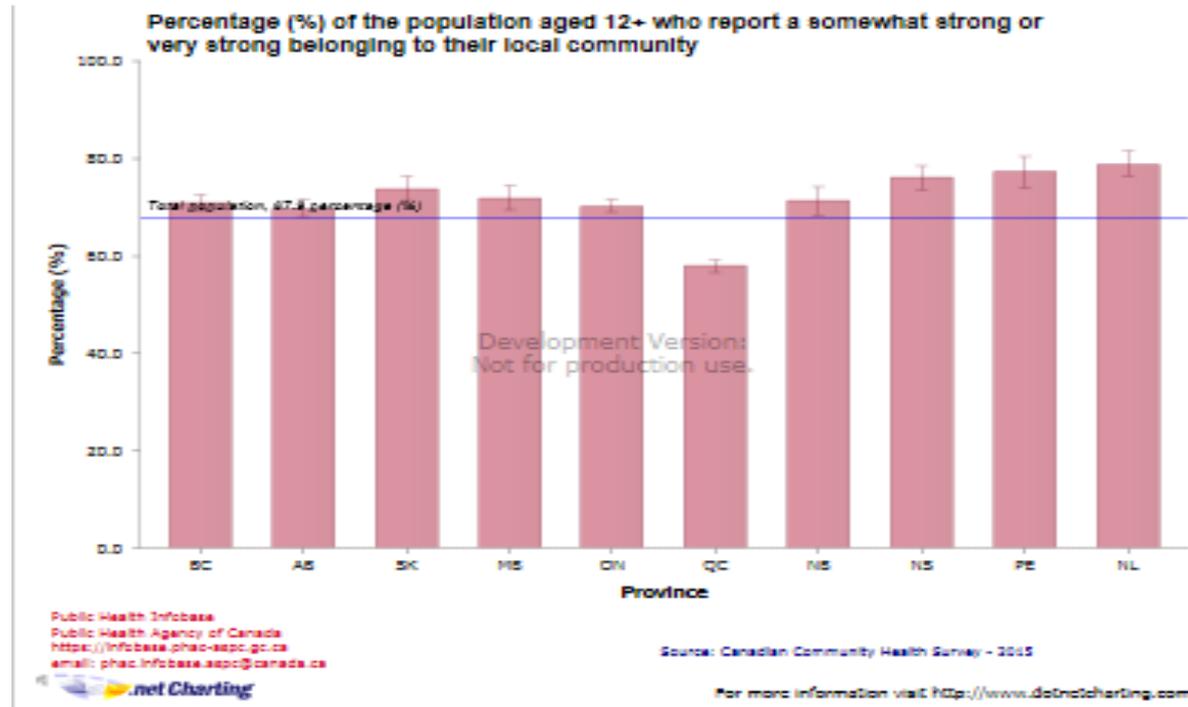
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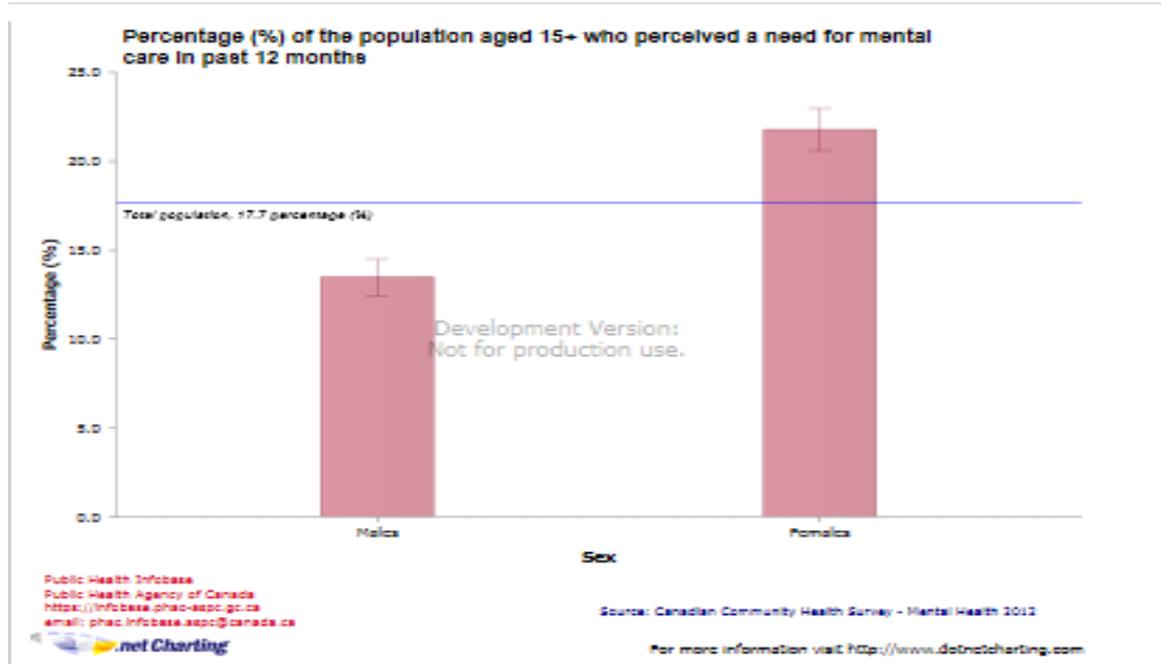
Community Determinants

- Sense of community belonging by Province



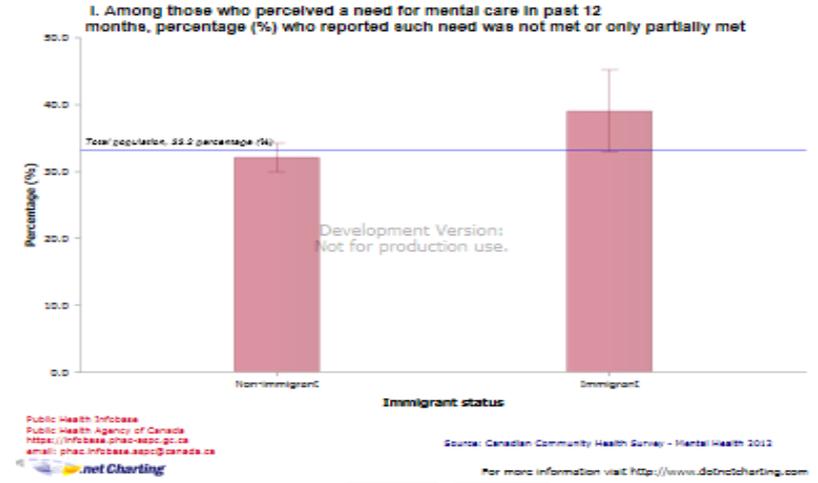
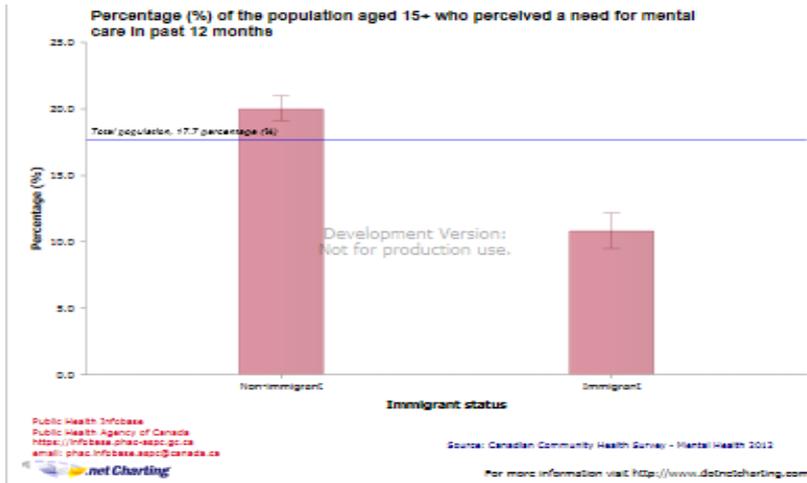
Societal Determinants

- Perceived need for mental health care by Sex



Societal Determinants

- Perceived need for mental health care by Immigrant status



Indicator Framework in Action

- Working with policy and statistics counterparts to develop/select indicators.
- Continue to explore new data sources to address data gaps.
- Continue to explore and monitor the association between suicide outcomes and other risk and protective factors.
- As the *Framework* is intended to be “evergreen”, reviewing contents on a regular basis and updating to reflect the latest available evidence

Thank you!

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