

Health Indicators Exercise



1. SCENARIO

Your friend from Moncton was just released from the hospital after suffering from a heart attack during a game of laser tag. Instead of doing something normal like bringing her flowers, you decide to cheer her up with some health statistics.

Use Statistic Canada's Health Indicators to learn about high blood pressure and in-hospital deaths following a heart attack in Moncton's health region.

2. FIND STATISTIC CANADA'S HEALTH INDICATORS

Start by finding Statistic Canada's health indicators.

- Go directly to the health indicator's page and click on the most recent release date:
<https://www150.statcan.gc.ca/n1/en/catalogue/82-221-X>
- OR simply search in Google for: **health indicators Stats Can** and hope you are looking at the right page.

3. ACCESS THE RELEVANT INDICATOR FOR HIGH BLOOD PRESSURE

You decide to start by finding some high blood pressure numbers.

- Click on "Table of contents" and select "Data tables and definitions".
- In this list of indicators, find the "Health Status" topic and the "Health conditions" sub-topic. Select "High blood pressure".



Explore the Annual Estimates:

- Click on Table 13-10-0113-01 to get the two year estimates by health regions.
- Click on "Add/Remove data".
- Select the appropriate options to create a table for: the Moncton health zone, the 50 to 64 years age group, females, high blood pressure, and number of persons and percents for 2015. Click on "Apply".
- Hmm, what are we looking at exactly? What is the source of this data? _____
 - What does "E" mean? _____
 - Find the footnotes for high blood pressure. Is this a self-reported variable? _____

4. ACCESS THE RELEVANT INDICATOR FOR IN-HOSPITAL DEATHS AFTER A HEART ATTACK

Next, to tell your friend how lucky she is to have avoided the worst, you decide to look up in-hospital deaths after a heart attack. It is possible that you are a terrible friend.

- Go back to "Data tables and definitions".
- Look under the "Effectiveness" subtopic. Can you find an indicator for in-hospital mortality from heart attacks?
 - If you can't, try looking for the fancy medical term sometimes used instead of "heart attack".

- Click on the appropriate indicator, and then click on the hyperlink for "CIHI's Health Indicators Interactive Tool".
- Wow, you're...somewhere else. Ok!
- Select the following options:
 - Under "Geography", select both Moncton's health region and New Brunswick (province).
 - Click on "All Years".
 - Select your desired indicator.
 - Click on "Both" and "Female" under "Sex".
 - Click on "Income".
 - Hit "Submit".

Geography (*)

[1246] Pictou County Health Authority (DHA 06), Nova Scotia
 [1247] Guysborough Antigonish Strait Health Authority (DHA 07), Nova Scotia
 [1258] Cape Breton District Health Authority (DHA 08)/(Zone 5), Nova Scotia
 [1269] Capital District Health Authority (DHA 09)/(Zone 6), Nova Scotia
[13] New Brunswick
 [1301] Zone 1 (Moncton Area)
 [1302] Zone 2 (Saint John Area)
 [1303] Zone 3 (Fredericton Area)
 [1304] Zone 4 (Edmundston Area)

Regions
 Provinces
 All

Change vintage: 2016-02 Health regions are listed according to a geography vintage. The vintage label (YYYY-MM) refers to the effective date of the boundaries. [What is a health region?](#)

Data Year (*)

2003
 2002
 2001
 2000
 1999
 1998
 1997

All Years

Characteristics

Indicator (*)	Health Dimension	Sex	Equity (Disparity)
<div style="border: 1px solid #ccc; padding: 2px;"> 30-Day Acute Myocardial Infarction In-Hospital Mortality 30-Day Acute Myocardial Infarction Readmission 30-Day Medical Readmission 30-Day Obstetric Readmission 30-Day Readmission for Mental Illness 30-Day Readmission for Mental Illness, Age 15+ (General Hospital Only) -T 30-Day Readmission: Patients Age 19 and Younger 30-Day Stroke In-Hospital Mortality 30-Day Surgical Readmission Ambulatory Care Sensitive Conditions (1991 standard population) -T </div>	<input type="checkbox"/> Health Status <input type="checkbox"/> Health System Performance <input type="checkbox"/> Community and Health System Characteristics <input type="checkbox"/> All	<input checked="" type="checkbox"/> Both <input type="checkbox"/> Male <input checked="" type="checkbox"/> Female	<input checked="" type="checkbox"/> Income

- That's...uh...interesting?
 - What is the 2015 rate for Moncton? _____
 - Look at New Brunswick. How do the rates change as you go up in Neighbourhood Income Quintiles? _____
 - The 2006 rate for New Brunswick is annotated with a symbol. What does it mean?

 - What is the source of this data? _____