**Presentation Notes**

Title:

*Preparing for Changing Toronto Winters*

Inquiry Explanation:

Preparing for winter weather is a critical aspect of budget planning and resource allocation for many public and private organizations.

As temperatures decrease, conditions become increasingly life-threatening for people experiencing homelessness (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6765826/>). One study suggests the odds of hypothermia increase 1.64-fold for every 5°C drop in temperature and 1.1-fold for each millimetre of precipitation.

The City of Toronto’s current policy is to open warming centres when temperatures drop below -15°C. Recently, advocates have pushed for that threshold to be moved to -5°C.

We look at historical averages and recent trends in Toronto winter weather to visualize the impact of this change.

Our data set included daily temperature and precipitation records for 13 cities across Canada.

As temperatures decrease, conditions become increasingly life-threatening for people experiencing homelessness (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6765826/>).

* Study conducted primarily on males (85%) between ages 35 and 54 (56%).
* 72% of hypothermic events occurred at temperatures above -15°C.
* Odds of hypothermia increased 1.64-fold for every 5°C decrease in temperature and 1.1-fold per millimetre of precipitation.