

# Covid 19, Sources of Infection in Ontario

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## Abstract

First sentence. Second sentence. Third sentence. Fourth sentence.

## 1 Introduction

First paragraph

Second paragraph

Third paragraph

Fourth paragraph

You can and should cross-reference sections and sub-sections. For instance, Section 2. R Markdown automatically makes the sections lower case and adds a dash to spaces to generate labels, for instance, Section ??.

## 2 Data

Data provided from the City of Toronto via the ‘opendatatoronto’ package, (Gelfand 2020) and R language (R Core Team 2020) The dataset includes the sources of infection with Covid 19 and the episode date. Because we are only concerned with known sources of infection, we have removed the cases where source of infection was either pending or had no information.

Showing sample of dataset, (Table 1).

Paragraph about Table 1

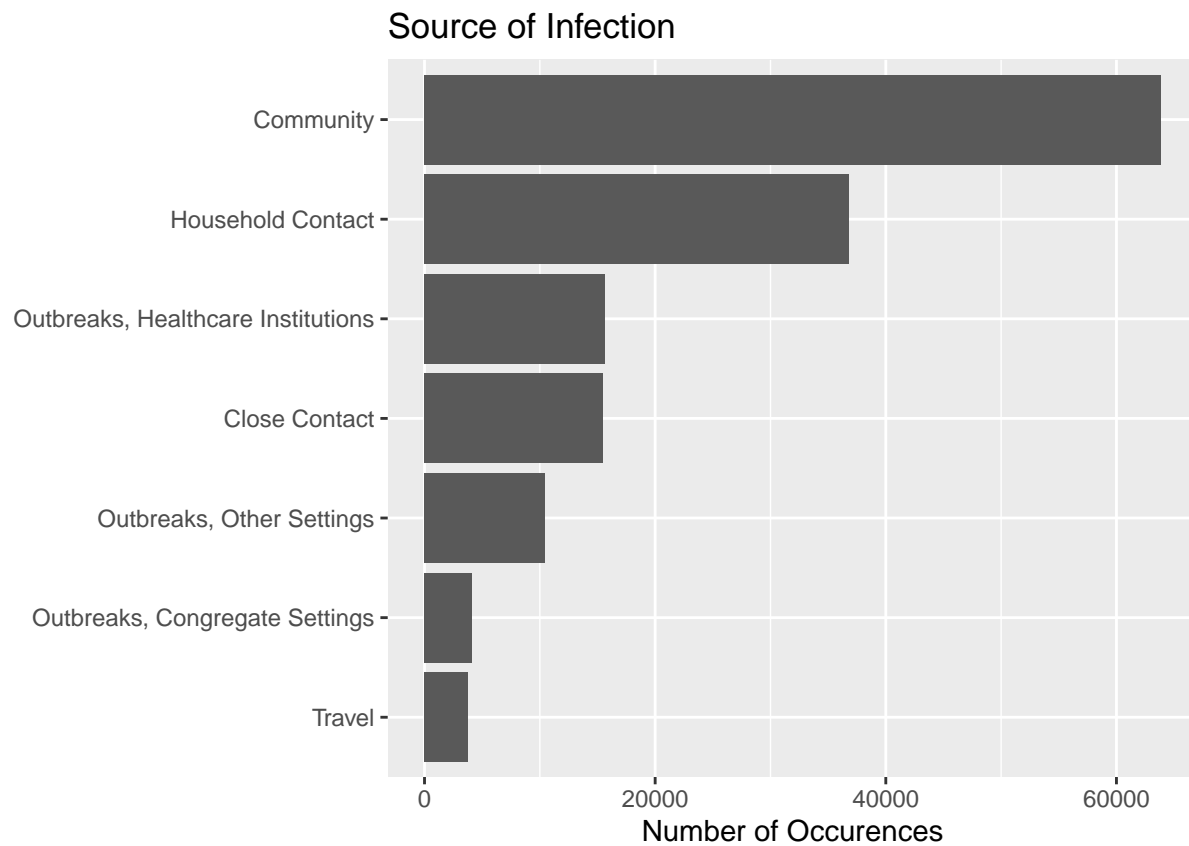
Here were are noting the the proportions of different infection sources.

Table 1: First ten rows of a dataset on source of Covid 19 infection Ontario

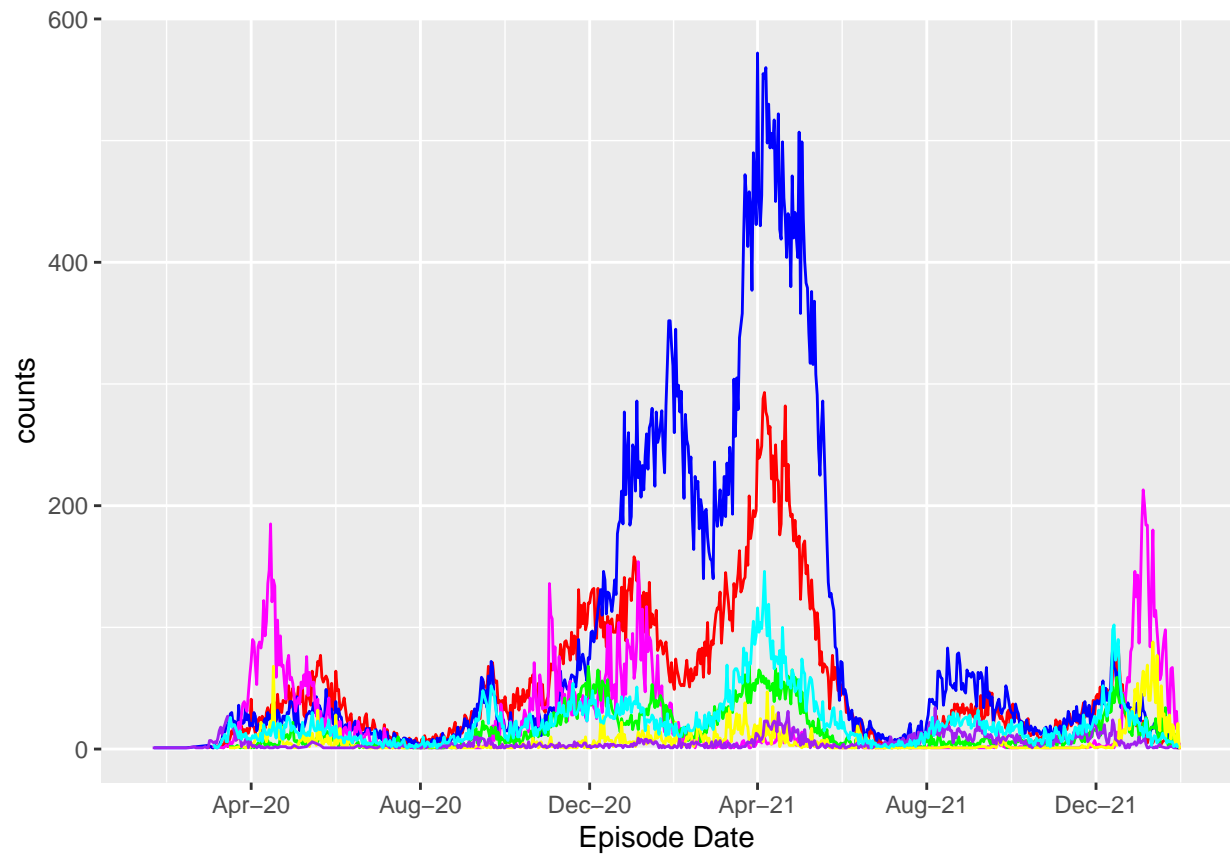
Source of Infection	Episode Date
Household Contact	2020-09-16
Close Contact	2020-09-14
Close Contact	2020-09-17
Community	2020-09-19
Household Contact	2020-09-16
Travel	2020-09-13
Close Contact	2020-09-16
Household Contact	2020-09-14
Close Contact	2020-09-14
Outbreaks, Other Settings	2020-09-17

Table 2: Proportion of Sources of Infection

Source of Infection	counts	prop
Community	63829	43
Household Contact	36793	25
Close Contact	15476	10
Outbreaks, Healthcare Institutions	15660	10
Outbreaks, Other Settings	10440	7
Travel	3810	3
Outbreaks, Congregate Settings	4117	3



We are interested in how different sources of infection change over time during the Covid 19 pandemic. ??



Talk more about it.

### 3 Discussion

## References

- Gelfand, Sharla. 2020. *Opendatatoronto: Access the City of Toronto Open Data Portal*.
- R Core Team. 2020. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <https://www.R-project.org/>.