

Epidemiologic Summary

COVID-19 in Ontario: January 15, 2020 to March 27, 2020

This report includes the most current information available from the integrated Public Health Information System (iPHIS) as of 4 p.m. March 27, 2020.

Purpose

- This daily report provides an epidemiologic summary of COVID-19 activity in Ontario to date.

Highlights

- There are 1,262 confirmed cases of COVID-19 in Ontario reported to date in iPHIS:
 - 51.6% of cases are male, 47.8% are female.
 - The median age is 49, ranging in age from <1 to 100 years of age.
 - Greater Toronto Area public health units account for 66.4% of cases.
- Of all cases, 28.4% had travelled in the 14 days prior to becoming ill, 9.7% had close contact with a confirmed case, 16.4% had neither and 45.4% have exposure information pending.
- 9.0% of cases were hospitalized and 14 deaths have been reported in iPHIS.

Case Characteristics

Table 1. Summary of cases of COVID-19: Ontario, January 15, 2020 to March 27, 2020

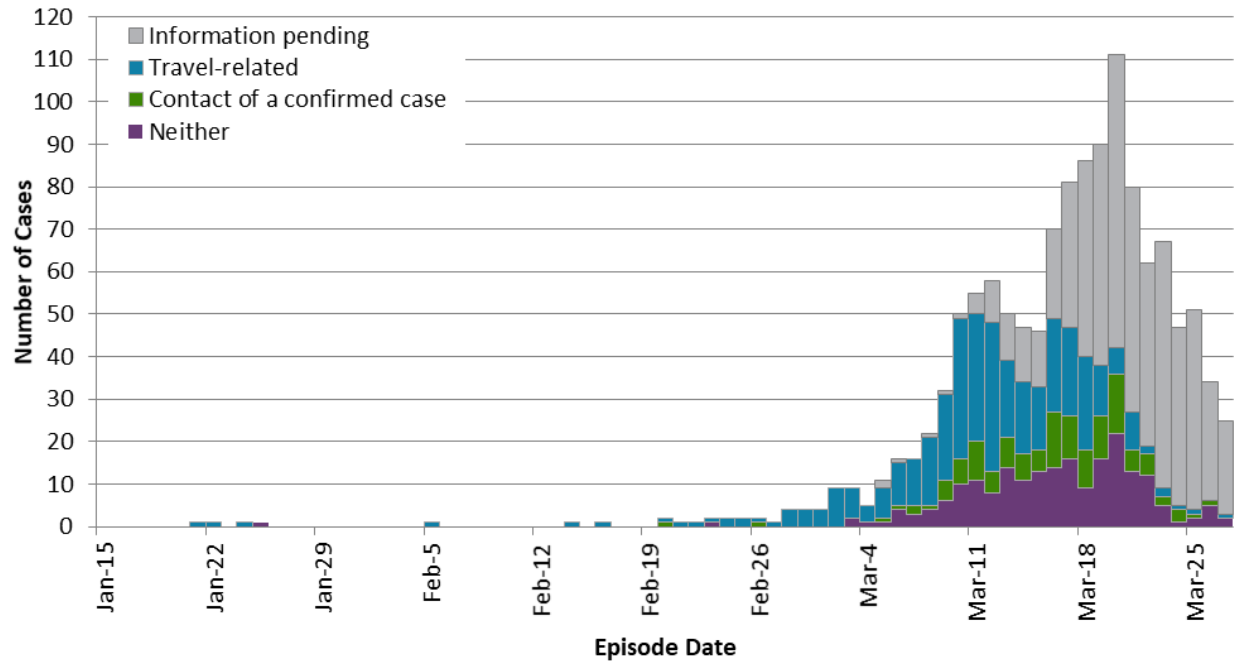
	Number	Percentage
Number of cases	1262	N/A
Change from previous report	N/A	N/A
Male	651	51.6
Female	603	47.8
Age group		
19 and under	30	2.4
20-64	989	78.4
65 and over	241	19.1

Note: Eight cases did not specify male or female gender. The age of two cases were unknown.

Data Source: integrated Public Health Information System (iPHIS) database

Time

Figure 1. Confirmed cases (n=1262) of COVID-19 by episode date: Ontario, January 15, 2020 to March 27, 2020



Note: Travel-related refers to travel within the 14 days prior to becoming ill.

Data Source: integrated Public Health Information System (iPHIS) database

Exposure

Table 2. Confirmed cases (n=1262) of COVID-19 by exposure type: Ontario, January 15, 2020 to March 27, 2020

	Number	Percentage
Travel*	359	28.4
Contact of a confirmed case	123	9.7
Neither	207	16.4
Information pending	573	45.4

* Travel within the 14 days prior to becoming ill; travel locations are provided in [Appendix A](#).

Data Source: integrated Public Health Information System (iPHIS) database

Severity

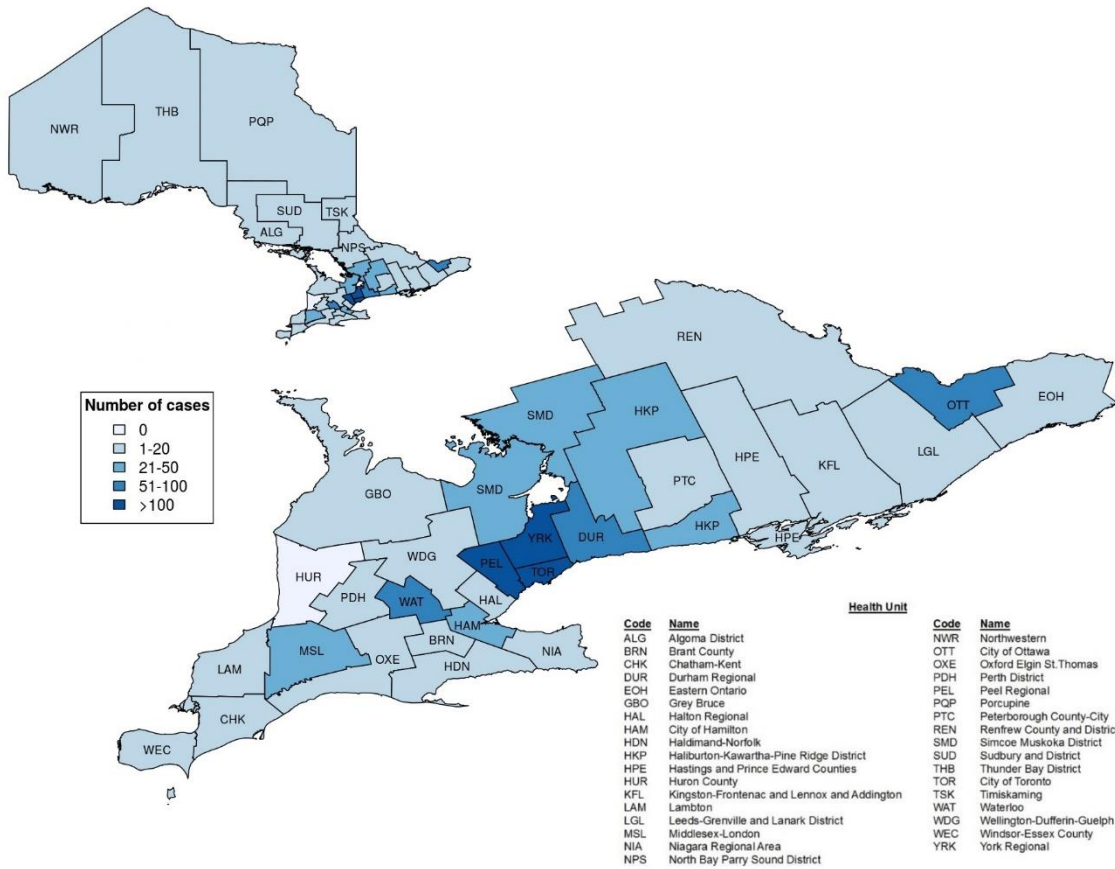
Table 3. Confirmed cases (n=1262) of COVID-19 by severity: Ontario, January 15, 2020 to March 27, 2020

	Number	Percentage
Hospitalized	114	9
Intensive care	41	3.2
Deaths reported in iPHIS	14	1.1

Data Source: integrated Public Health Information System (iPHIS) database

Geography

Figure 2. Confirmed cases (n=1262) of COVID-19 by public health unit: Ontario, January 15, 2020 to March 27, 2020



Data Source: integrated Public Health Information System (iPHIS) database

Technical Notes

Data Sources (Case Data)

- The data for this report were based on information extracted from the Ontario Ministry of Health (MOH) integrated Public Health Information System (iPHIS) database, as of **March 27, 2020 at 4 p.m.**
- iPHIS is a dynamic disease reporting system, which allows ongoing updates to data previously entered. As a result, data extracted from iPHIS represent a snapshot at the time of extraction and may differ from previous or subsequent reports.

iPHIS data caveats:

- The data only represent cases reported to public health and recorded in iPHIS. As a result, all counts will be subject to varying degrees of underreporting due to a variety of factors, such as disease awareness and medical care seeking behaviours, which may depend on severity of illness, clinical practice, changes in laboratory testing, and reporting behaviours.
- Only cases meeting the confirmed and presumptive confirmed case classifications, as listed in the MOH [COVID-19 case definition](#) are included in the report counts.
- Cases in this dataset are reported based on the Accurate Episode Date (displayed as episode date in graphs). This is a calculated field used when extracting data from iPHIS. The field uses a number of dates entered in iPHIS to provide an approximation of onset date.
- Orientation of case counts by geography is based on the diagnosing health unit (DHU). DHU refers to the case's public health unit of residence at the time of illness onset and not necessarily the location of exposure. Cases for which the DHU was reported as MOH (to signify a case that is not a resident of Ontario) have been excluded from the analyses.
- Exposure type is determined by examining the exposure and risk factor fields from iPHIS to determine whether a case travelled, was a contact of a case or neither. A hierarchy has been applied as follows: Travel-related > Close contact of a confirmed case > Neither > Information pending.
- Cases for which the Disposition Status was reported as ENTERED IN ERROR, DOES NOT MEET DEFINITION, DUPLICATE-DO NOT USE, or any variation on these values have been excluded.

Appendix A

Confirmed cases (n=359) of COVID-19 with travel history* by location: Ontario, January 15, 2020 to March 27, 2020

Location travelled to**	Cases
United States	105
Cruise	34
United Kingdom	34
Germany	18
Iran	17
Austria	15
Spain	14
Egypt	11
Philippines	10
France	9
India	6
China	4
Cuba	4
Italy	4
Mexico	4
Netherlands	4
Switzerland	4
United Arab Emirates	4
Colombia	3

Location travelled to**	Cases
Costa Rica	3
Morocco	3
Peru	3
Singapore	3
Bahamas	2
Bolivia	2
British Columbia	2
Denmark	2
Ireland	2
Israel	2
Jordan	2
Portugal	2
Turkey	2
Aruba	1
Barbados	1
Brazil	1
Ecuador	1
Hong Kong	1
Jamaica	1
Japan	1
Pakistan	1
Quebec	1

Location travelled to**	Cases
Saskatchewan	1
South Korea	1
Sweden	1
Tahiti	1

* Travel within the 14 days prior to symptom onset.

** Cases may report travel exposures for more than one country or may report travel as a risk factor without specifying the location.

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For Further Information

For more information, email cd@oahpp.ca.

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