

Epidemiologic Summary

COVID-19 in Ontario: January 15, 2020 to March 29, 2020

This report includes the most current information available from the integrated Public Health Information System (iPHIS) as of 4 p.m. March 29, 2020.

Purpose

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

Highlights

- There are 1,706 confirmed cases of COVID-19 in Ontario reported to date in iPHIS:
 - 50.2% of cases are male, 49.1% are female.
 - The median age is 50, ranging in age from <1 to 100 years of age.
 - Greater Toronto Area public health units account for 61.4% of cases.
- Of all cases, 26.3% had travelled in the 14 days prior to becoming ill, 9.6% had close contact with a confirmed case, 16.2% had neither and 47.9% have exposure information pending.
- 9.9% of cases were hospitalized and 16 deaths have been reported (please note there may be a reporting delay for deaths in iPHIS).

Case Characteristics

Table 1. Summary of cases of COVID-19: Ontario, January 15, 2020 to March 29, 2020

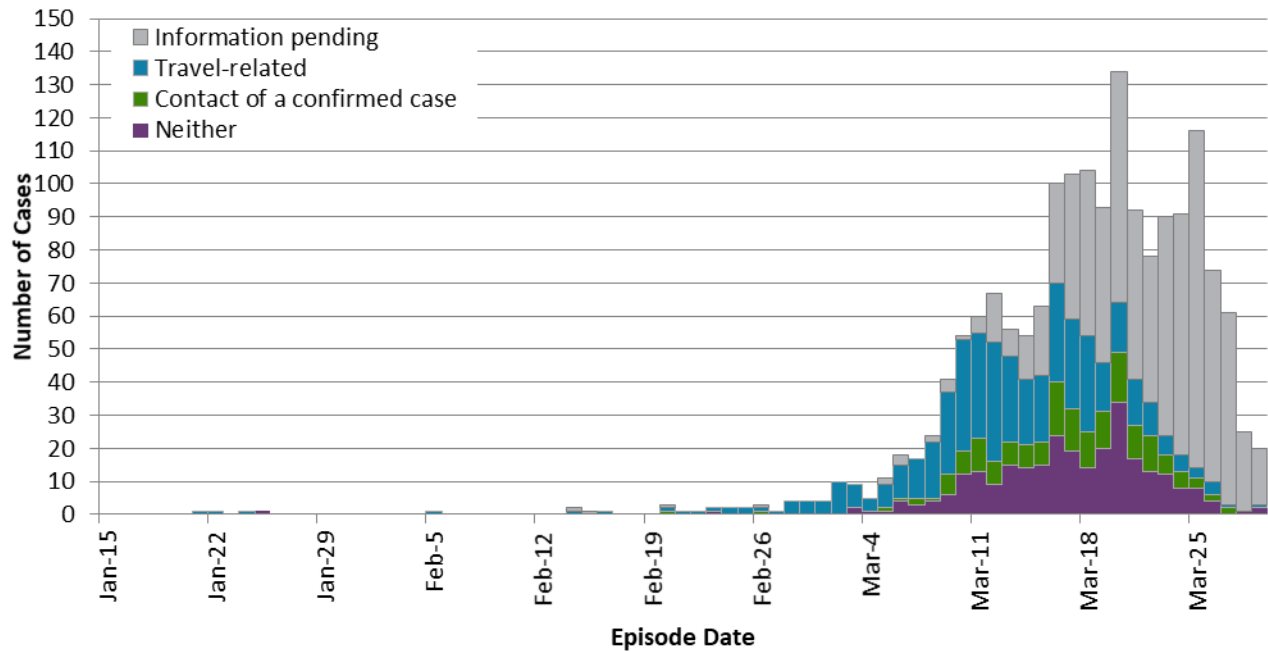
	Number	Percentage
Number of cases	1,706	N/A
Change from previous report	N/A	N/A
Male	857	50.2
Female	837	49.1
Age group		
19 and under	42	2.5
20-64	1319	77.3
65 and over	343	20.1

Note: 12 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=1,706) of COVID-19 by episode date and exposure: Ontario, January 15, 2020 to March 29, 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=1,706) of COVID-19 by exposure type: Ontario, January 15, 2020 to March 29, 2020

	Number	Percentage
Travel*	448	26.3
Contact of a confirmed case	163	9.6
Neither	277	16.2
Information pending	818	47.9

* 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

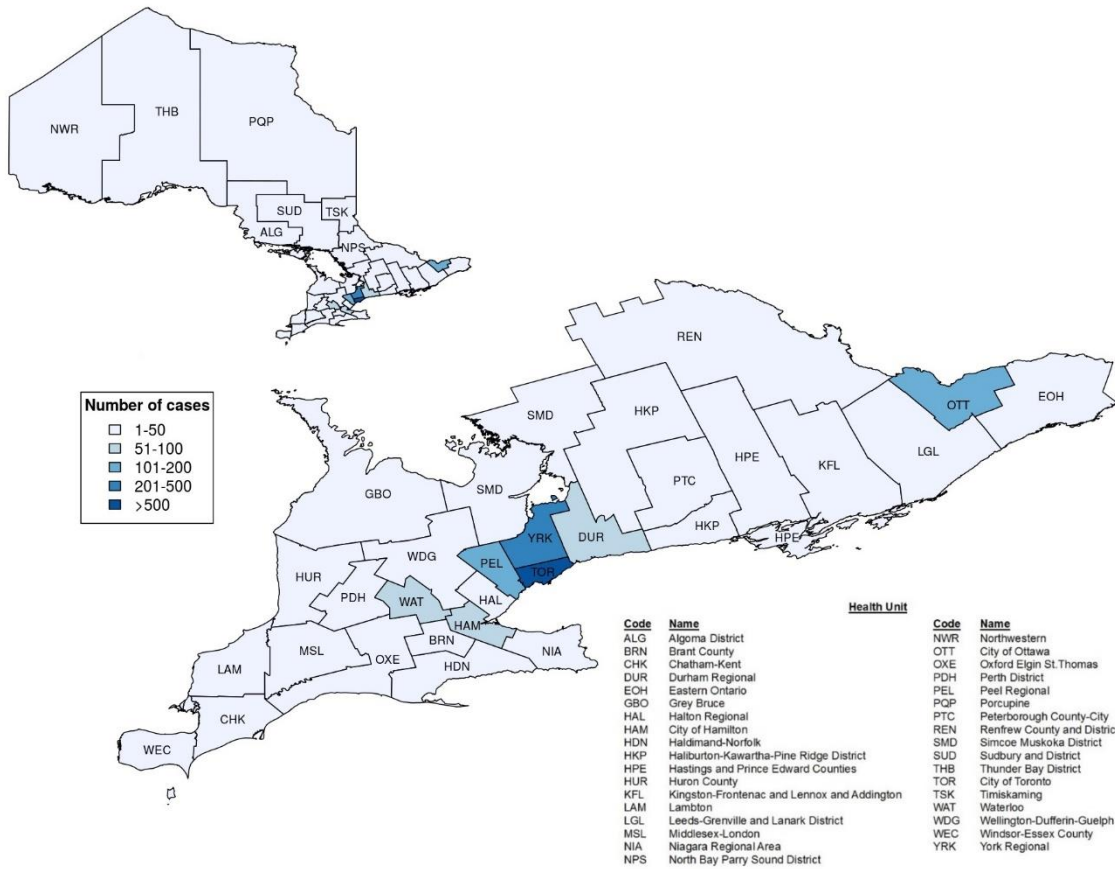
Table 3. Confirmed cases (n=1,706) of COVID-19 by severity: Ontario, January 15, 2020 to March 29, 2020

	Number	Percentage
Cumulative hospitalized	169	9.9
Cumulative intensive care	62	3.6
Cumulative deaths reported (please note there may be a reporting delay for deaths in iPHIS)	16	0.9

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

Geography

Figure 2. Confirmed cases (n=1,706) of COVID-19 by public health unit: Ontario, January 15, 2020 to March 29, 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 29, 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 case classification 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=448) of COVID-19 with travel history* by location: Ontario, January 15, 2020 to March 29, 2020

Location travelled to**	Cases
United States	134
United Kingdom	47
Cruise	39
Germany	20
Spain	18
Austria	17
Iran	17
Philippines	15
France	13
Egypt	12
Mexico	7
Switzerland	7
India	6
Cuba	5
Netherlands	5
British Columbia	4
China	4
Italy	4
Peru	4

Location travelled to**	Cases
United Arab Emirates	4
Colombia	3
Costa Rica	3
Ireland	3
Jordan	3
Morocco	3
Portugal	3
Singapore	3
Bahamas	2
Barbados	2
Bolivia	2
Denmark	2
Israel	2
Pakistan	2
Panama	2
Turkey	2
Aruba	1
Brazil	1
Dominican Republic	1
Ecuador	1
Hong Kong	1
Jamaica	1

Location travelled to**	Cases
Japan	1
Quebec	1
Russian Federation	1
Saskatchewan	1
South Korea	1
State of Palestine	1
Sweden	1
Tahiti	1
Vietnam	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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