

Epidemiologic Summary

COVID-19 in Ontario: January 15, 2020 to April 4, 2020

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

Purpose

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

Highlights

- There are 4,038 confirmed cases of COVID-19 in Ontario reported to date in iPHIS. This represents an increase of 408 confirmed cases from the previous report.
 - 47.5% of cases are male, 52.0% are female.
 - 34.5% of cases are 60 years of age and older.
 - Greater Toronto Area public health units account for 51.2% of cases.
- Of all cases, 20.4% had travelled in the 14 days prior to becoming ill, 12.1% had close contact with a confirmed case, 19.0% had neither and 48.4% have exposure information pending.
- 12.3% of cases were hospitalized and 119 deaths have been reported (please note there may be a reporting delay for deaths in iPHIS).
- Forty-four outbreaks have been reported in long-term care homes.

Case Characteristics

Table 1. Summary of cases of COVID-19: Ontario, January 15, 2020 to April 4, 2020

	Number	Percentage
Number of cases*	4,038	N/A
Change from previous report	408	11.2% increase
Gender: Male	1,919	47.5
Gender: Female	2,101	52.0
Ages: 19 and under	99	2.5
Ages: 20-39	1,111	27.5
Ages: 40-59	1,430	35.4
Ages: 60-79	1,002	24.8
Ages: 80 and over	392	9.7

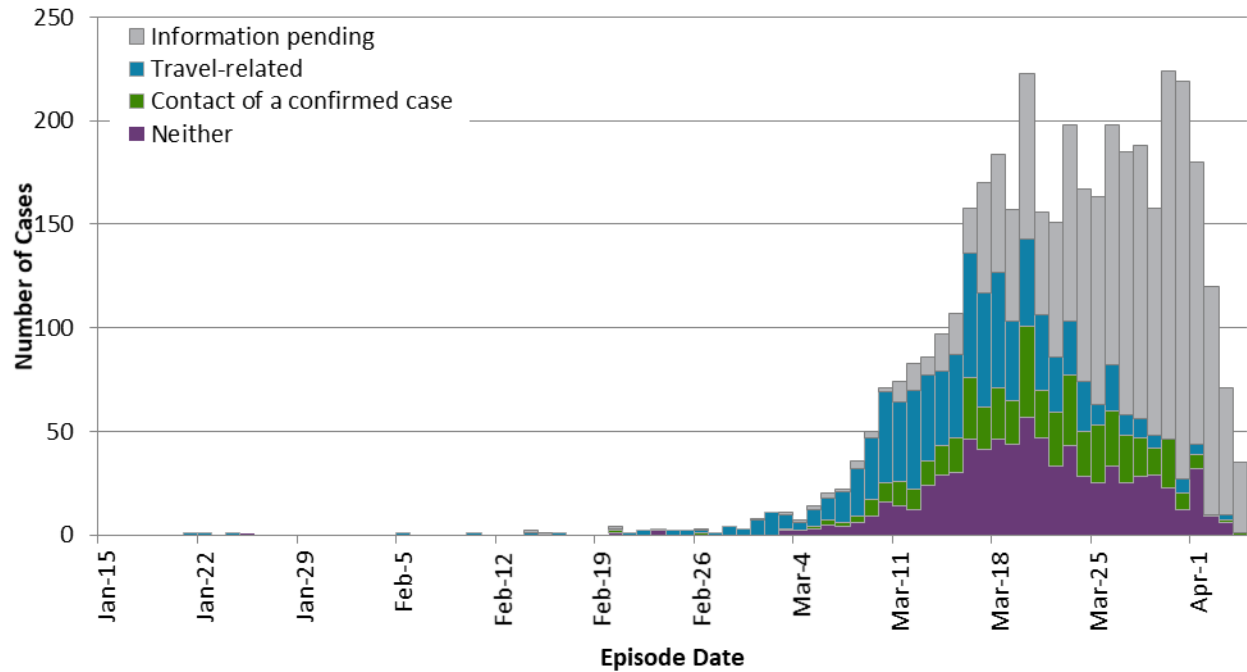
* Number of cases by public health unit is provided in [Appendix A](#).

Note: 18 cases did not specify male or female. The age of four cases were unknown.

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

Time

Figure 1. Confirmed cases (n=4,038) of COVID-19 by episode date and exposure: Ontario, January 15, 2020 to April 4, 2020*



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

*Interpret case counts for the most recent days with caution due to reporting lags.

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

Exposure

Table 2. Confirmed cases (n=4,038) of COVID-19 by exposure type: Ontario, January 15, 2020 to April 4, 2020

	Number	Percentage
Travel*	825	20.4
Contact of a confirmed case	490	12.1
Neither	767	19.0
Information pending	1,956	48.4

* 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

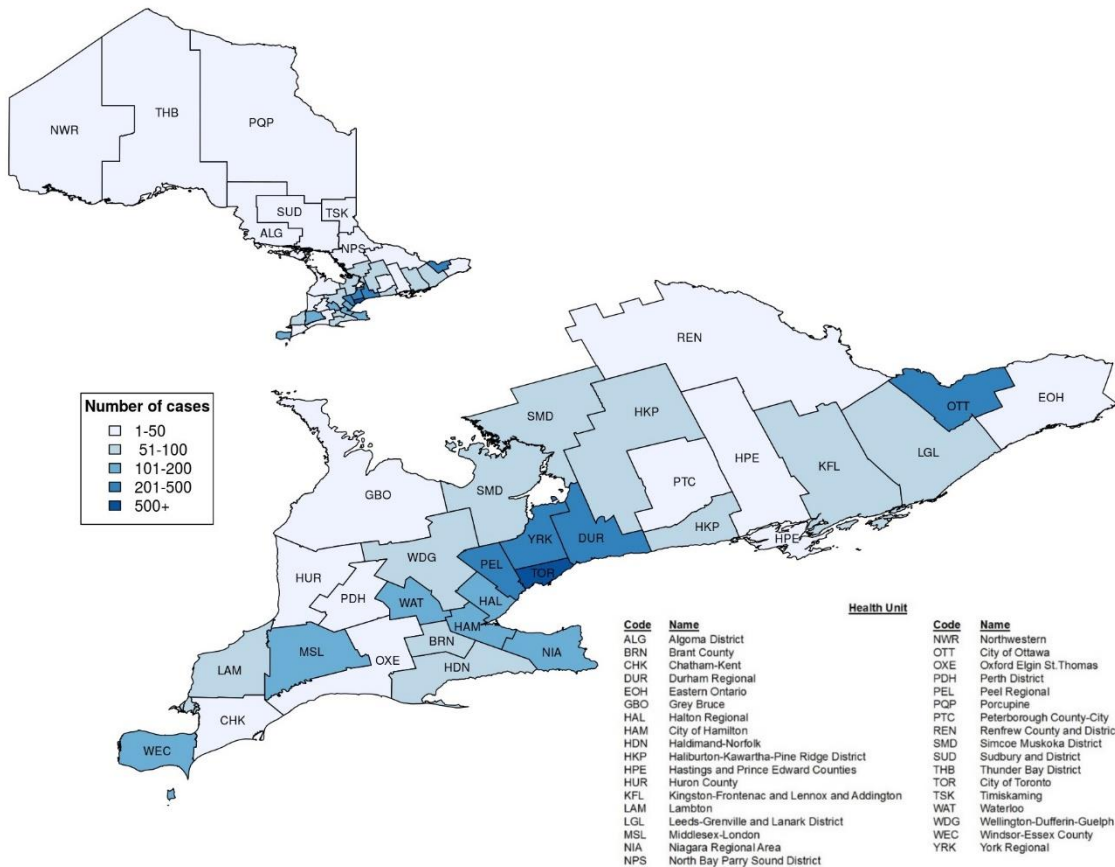
Table 3. Confirmed cases (n=4,038) of COVID-19 by severity: Ontario, January 15, 2020 to April 4, 2020

	Number	Percentage
Cumulative hospitalized	496	12.3
Cumulative intensive care	146	3.6
Cumulative deaths reported (please note there may be a reporting delay for deaths in iPHIS)	119	2.9

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

Geography

Figure 2. Confirmed cases (n=4,038) of COVID-19 by public health unit: Ontario, January 15, 2020 to April 4, 2020



Note: Recently merged Huron Perth Public Health has case counts reported separately under Perth District Health Unit and Huron County Health Unit

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

Long-Term Care Homes

Table 4. Confirmed COVID-19 outbreaks reported in long-term care homes and total number of associated cases: Ontario, January 15, 2020 to April 4, 2020

Indicator	Count
Number of confirmed COVID-19 outbreaks in long-term care homes (LTCHs)	44
Total number of cases** reported as part of the confirmed COVID-19 outbreaks in LTCHs	858
In residents	511
In staff	340
Total number of deaths** reported as part of the confirmed COVID-19 outbreaks in LTCHs	56
In residents	54
In staff	0

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

**Includes all outbreak-related cases and deaths, regardless of whether the case was laboratory confirmed (deaths among non-laboratory confirmed cases reported here are not included in table 3). May include cases and deaths other than residents or staff, such as volunteers. As a result, the total number of cases and deaths may be greater than the number of cases and deaths reported in residents or staff.

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 **April 4, 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.
- Case episode date is based on an estimate of the best date of disease onset. This date is calculated based on either the date of symptom onset, specimen collection/test date, or the date reported to public health.
- 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.
 - GTA health units include: Durham Region Health Department, Peel Public Health, Toronto Public Health and York Region Public Health
- 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

Table 1. Confirmed cases (n=4,038) of COVID-19 by public health unit: Ontario, January 15, 2020 to April 4, 2020

Public Health Unit Name	Cases
Toronto Public Health	941
Peel Public Health	479
York Region Public Health	423
Ottawa Public Health	333
Durham Region Health Department	223
City of Hamilton Public Health Services	148
Region of Waterloo Public Health and Emergency Services	148
Windsor-Essex County Health Unit	142
Halton Region Public Health	138
Niagara Region Public Health	131
Middlesex-London Health Unit	118
Haliburton, Kawartha, Pine Ridge District Health Unit	97
Wellington-Dufferin-Guelph Public Health	84
Simcoe Muskoka District Health Unit	79
Lambton Public Health	75
Haldimand-Norfolk Health Unit	65
Leeds, Grenville & Lanark District Health Unit	53

Public Health Unit Name	Cases
Kingston, Frontenac and Lennox & Addington Public Health	52
Brant County Health Unit	51
Peterborough Public Health	41
Eastern Ontario Health Unit	37
Porcupine Health Unit	29
Public Health Sudbury & Districts	26
Hastings Prince Edward Public Health	20
Grey Bruce Health Unit	19
Southwestern Public Health	18
Thunder Bay District Health Unit	13
Chatham-Kent Public Health	12
Perth District Health Unit	12
Algoma Public Health	8
Renfrew County and District Health Unit	7
Huron County Health Unit	5
North Bay Parry Sound District Health Unit	4
Northwestern Health Unit	4
Timiskaming Health Unit	3
Ontario	4,038

Note: Recently merged Huron Perth Public Health has case counts reported separately under Perth District Health Unit and Huron County Health Unit

Table 2. Confirmed cases (n=825) of COVID-19 with travel history* by location: Ontario, January 15, 2020 to April 4, 2020

Location travelled to**	Cases
United States	267
United Kingdom	85
Cruise	54
Mexico	40
Spain	37
Germany	32
France	22
Austria	20
Philippines	18
Portugal	18
Iran	17
Switzerland	15
Cuba	13
Egypt	13
India	13
Quebec	11
Ireland	10
Netherlands	9
British Columbia	7
Dominican Republic	7

Location travelled to**	Cases
Italy	7
Peru	7
Colombia	6
Morocco	6
Pakistan	6
China	5
United Arab Emirates	5
Costa Rica	4
Nova Scotia	4
Bahamas	3
Barbados	3
Brazil	3
Israel	3
Jordan	3
New Zealand	3
Singapore	3
Turkey	3
Alberta	2
Aruba	2
Australia	2
Bolivia	2
Denmark	2

Location travelled to**	Cases
Ecuador	2
Jamaica	2
Panama	2
Russian Federation	2
Saint Martin	2
Trinidad And Tobago	2
Bangladesh	1
Bulgaria	1
Cayman Islands	1
Haiti	1
Hong Kong	1
Japan	1
Qatar	1
Saskatchewan	1
South Africa	1
South Korea	1
State of Palestine	1
Sweden	1
Tahiti	1
Uganda	1
Viet Nam	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. Because of this, the sum of the counts in this table may not add to the number of cases with travel exposure.

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For Further Information

For more information, email cd@oahpp.ca.

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