

Epidemiologic Summary

COVID-19 in Ontario: January 15, 2020 to April 3, 2020

This report includes the most current information available from the integrated Public Health Information System (iPHIS) as of **4 p.m. April 3, 2020**.

Purpose

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

Highlights

- There are 3,630 confirmed cases of COVID-19 in Ontario reported to date in iPHIS. This represents an increase of 375 confirmed cases from the previous report.
 - 48.3% of cases are male, 51.2% are female.
 - 32.8% of cases are 60 years of age and older.
 - Greater Toronto Area public health units account for 51.9% of cases.
- Of all cases, 21.3% had travelled in the 14 days prior to becoming ill, 12.5% had close contact with a confirmed case, 17.9% had neither and 48.4% have exposure information pending.
- 11.6% of cases were hospitalized and 94 deaths have been reported (please note there may be a reporting delay for deaths in iPHIS).
- Thirty-six 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 3, 2020

	Number	Percentage
Number of cases*	3,630	N/A
Change from previous report	375	11.5% increase
Gender: Male	1,755	48.3
Gender: Female	1,857	51.2
Ages: 19 and under	93	2.6
Ages: 20-39	1,025	28.2
Ages: 40-59	1,319	36.3
Ages: 60-79	903	24.9
Ages: 80 and over	287	7.9

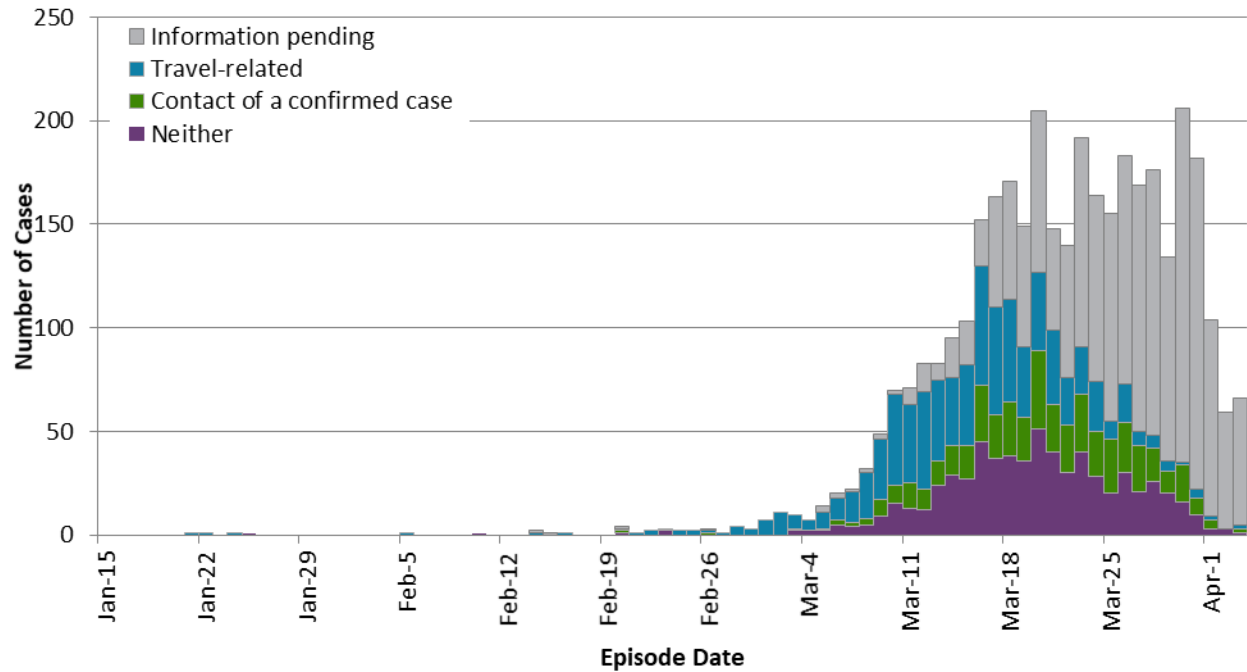
* Number of cases by public health unit is provided in [Appendix A](#).

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

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

Time

Figure 1. Confirmed cases (n=3,630) of COVID-19 by episode date and exposure: Ontario, January 15, 2020 to April 3, 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=3,630) of COVID-19 by exposure type: Ontario, January 15, 2020 to April 3, 2020

	Number	Percentage
Travel*	772	21.3
Contact of a confirmed case	452	12.5
Neither	649	17.9
Information pending	1,757	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

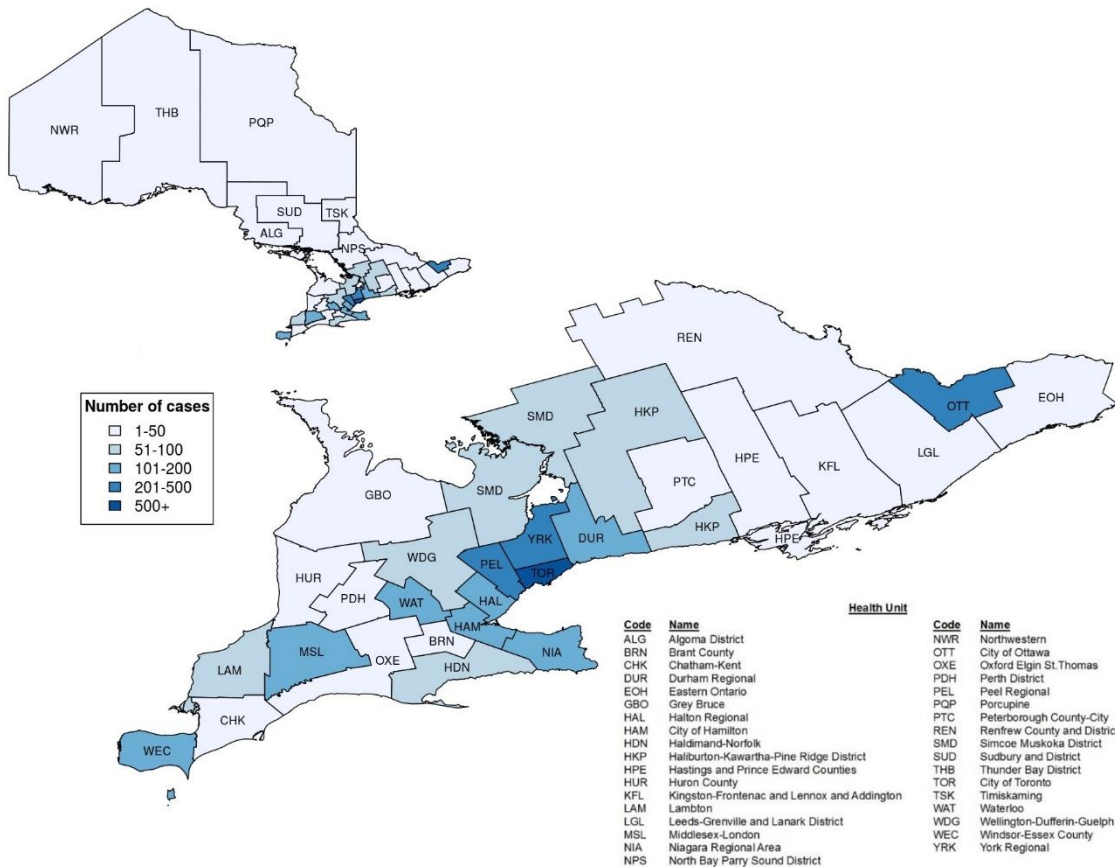
Table 3. Confirmed cases (n=3,630) of COVID-19 by severity: Ontario, January 15, 2020 to April 3, 2020

	Number	Percentage
Cumulative hospitalized	422	11.6
Cumulative intensive care	128	3.5
Cumulative deaths reported (please note there may be a reporting delay for deaths in iPHIS)	94	2.6

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

Geography

Figure 2. Confirmed cases (n=3,630) of COVID-19 by public health unit: Ontario, January 15, 2020 to April 3, 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

Indicator	Count
Number of confirmed COVID-19 outbreaks in long-term care homes (LTCHs)	36
Total number of cases** reported as part of the confirmed COVID-19 outbreaks in LTCHs	526
In residents	316
In staff	199
Total number of deaths** reported as part of the confirmed COVID-19 outbreaks in LTCHs	54
In residents	51
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 3, 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=3,630) of COVID-19 by public health unit

Public Health Unit Name	Cases
Toronto Public Health	845
Peel Public Health	443
York Region Public Health	401
Ottawa Public Health	309
Durham Region Health Department	194
Region of Waterloo Public Health and Emergency Services	140
City of Hamilton Public Health Services	137
Windsor-Essex County Health Unit	120
Halton Region Public Health	114
Middlesex-London Health Unit	110
Niagara Region Public Health	110
Simcoe Muskoka District Health Unit	71
Haliburton, Kawartha, Pine Ridge District Health Unit	70
Wellington-Dufferin-Guelph Public Health	70
Lambton Public Health	63
Haldimand-Norfolk Health Unit	54
Kingston, Frontenac and Lennox & Addington Public Health	48
Leeds, Grenville & Lanark District Health Unit	47
Brant County Health Unit	46

Public Health Unit Name	Cases
Peterborough Public Health	41
Eastern Ontario Health Unit	34
Porcupine Health Unit	28
Public Health Sudbury & Districts	25
Hastings Prince Edward Public Health	17
Southwestern Public Health	16
Grey Bruce Health Unit	15
Perth District Health Unit	11
Thunder Bay District Health Unit	11
Chatham-Kent Public Health	10
Algoma Public Health	7
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	3,630

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=772) of COVID-19 with travel history* by location: Ontario, January 15, 2020 to April 3, 2020

Location travelled to**	Cases
United States	246
United Kingdom	76
Cruise	54
Mexico	36
Spain	33
Germany	32
France	20
Austria	19
Iran	17
Portugal	17
Philippines	16
Switzerland	15
Egypt	13
India	13
Cuba	12
Quebec	11
Ireland	10
Netherlands	9
British Columbia	7
Dominican Republic	7

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

Location travelled to**	Cases
Trinidad And Tobago	2
Turkey	2
Bangladesh	1
Ecuador	1
Hong Kong	1
Japan	1
Nova Scotia	1
Qatar	1
Russian Federation	1
Saint Martin	1
Saskatchewan	1
South Africa	1
South Korea	1
State of Palestine	1
Sweden	1
Tahiti	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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