

Epidemiological Summary

COVID-19 in Ontario: January 15, 2020 to April 6, 2020

This report includes the most current information available from the integrated Public Health Information System (iPHIS) as of **4 p.m. April 6, 2020**.

Purpose

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

Highlights

- There are 4,726 confirmed cases of COVID-19 in Ontario reported to date in iPHIS. This represents an increase of 379 confirmed cases from the previous report.
 - 46.8% of cases are male, 52.7% are female.
 - 35.5% of cases are 60 years of age and older.
 - Greater Toronto Area public health units account for 51.5% of cases.
- Of all cases, 19.1% had travelled in the 14 days prior to becoming ill, 14.7% had close contact with a confirmed case, 19.1% had community exposure and 47.0% have exposure information pending.
- 12.2% of cases were hospitalized and 153 deaths have been reported (please note there may be a reporting delay for deaths in iPHIS).
- Fifty-one 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 6, 2020

	Number	Percentage
Number of cases*	4,726	N/A
Change from previous report	379	8.7% increase
Gender: Male	2,211	46.8
Gender: Female	2,489	52.7
Ages: 19 and under	120	2.5
Ages: 20-39	1,263	26.7
Ages: 40-59	1,663	35.2
Ages: 60-79	1,168	24.7
Ages: 80 and over	509	10.8
Number of cases in health care workers	513	10.9

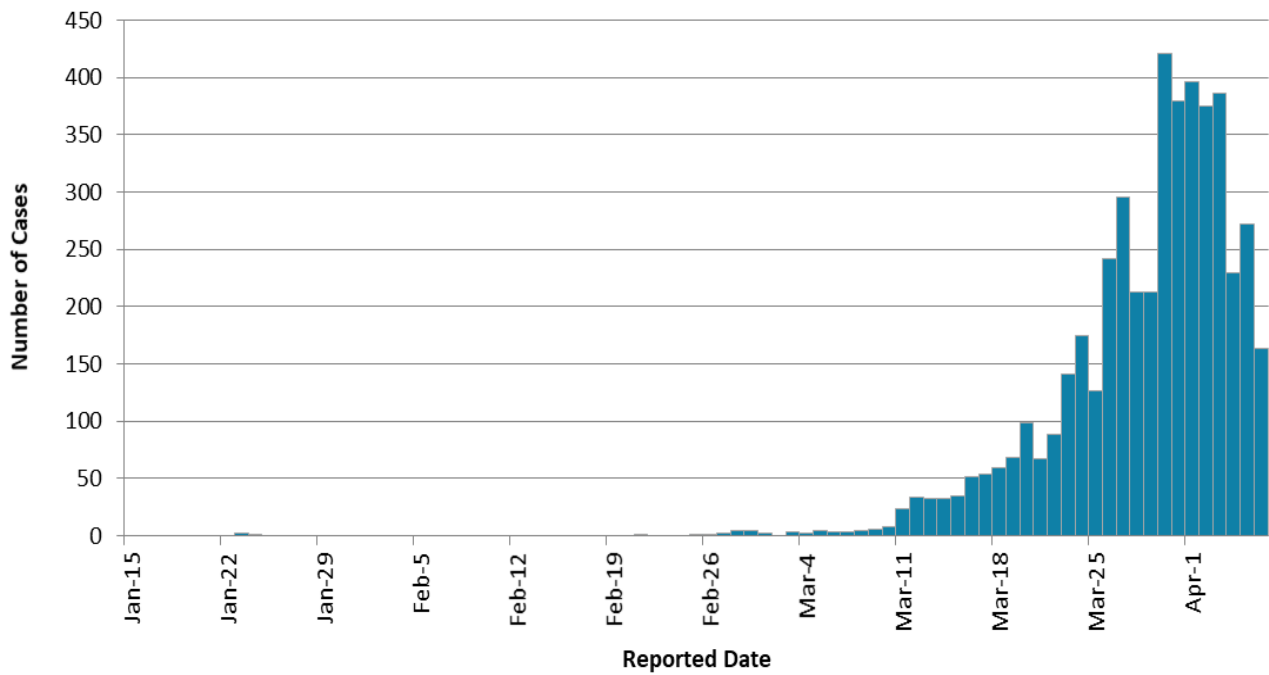
* Cases and rates by public health unit is provided in [Appendix A](#).

Note: 26 cases did not specify male or female. The age of three cases were unknown.

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

Time

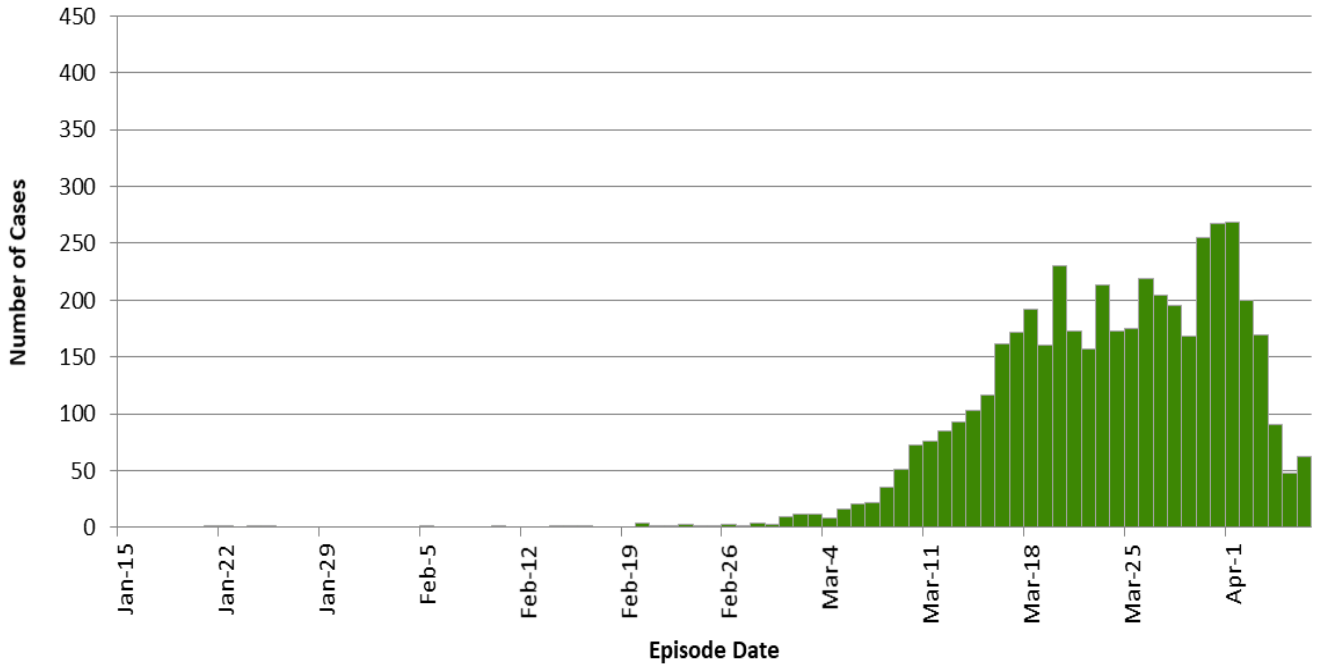
Figure 1. Confirmed cases (n=4,726) of COVID-19 by reported date: Ontario, January 15, 2020 to April 6, 2020*



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

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

Figure 2. Confirmed cases (n=4,726) of COVID-19 by episode date: Ontario, January 15, 2020 to April 6, 2020*



*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=4,726) of COVID-19 by exposure type: Ontario, January 15, 2020 to April 6, 2020

	Number	Percentage
Travel*	905	19.1
Close contact of a confirmed case	697	14.7
Community transmission	903	19.1
Information pending	2,221	47.0

*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=4,726) of COVID-19 by severity: Ontario, January 15, 2020 to April 6, 2020

	Number	Percentage
Cumulative hospitalized*	575	12.2
Cumulative intensive care*	165	3.5
Cumulative deaths reported (please note there may be a reporting delay for deaths in iPHIS)	153	3.2
Deaths reported in ages: 19 and under	0	0.0
Deaths reported in ages: 20-39	0	0.0
Deaths reported in ages: 40-59	9	0.5
Deaths reported in ages: 60-79	52	4.5
Deaths reported in ages: 80 and over	92	18.1
Number of resolved** cases	1,802	38.1

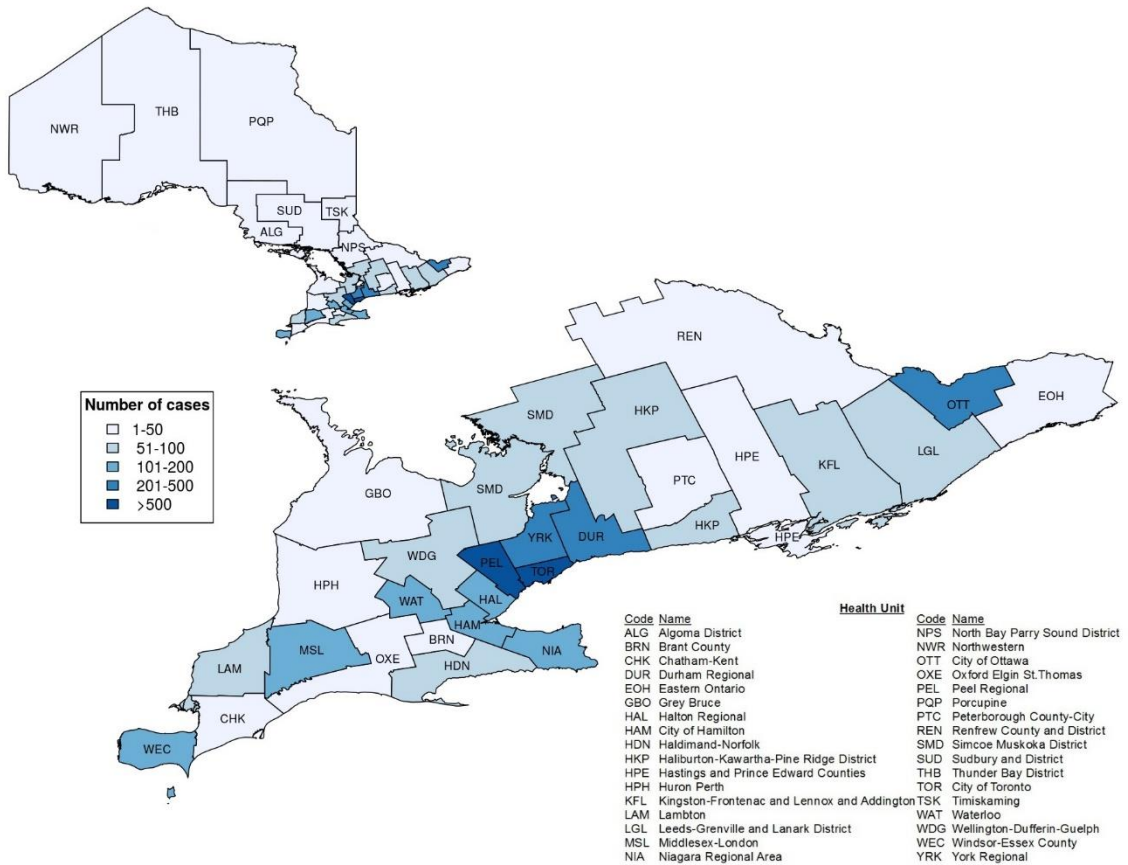
Data Source: integrated Public Health Information System (iPHIS) database

* These refer to all hospitalized or ICU admitted cases, not cases that are currently hospitalized or in ICU.

** Cases that are 14 days past symptom onset (if available) or 14 days past the episode date (for closed cases) are classified as resolved for non-fatal cases that are not currently listed as hospitalized. Cases are also classified as resolved if the case is reported as “recovered” in iPHIS.

Geography

Figure 3. Confirmed cases (n=4,726) of COVID-19 by public health unit: Ontario, January 15, 2020 to April 6, 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

Outbreaks in institutions and public hospitals

Table 4. Confirmed COVID-19 outbreaks reported in long-term care homes and hospitals and total number of associated cases: Ontario, January 15, 2020 to April 6, 2020

Indicator	Long-Term Care Homes	Hospitals
Number of confirmed COVID-19 outbreaks	51	15
Total number of cases* reported as part of the confirmed COVID-19 outbreaks	850	69
Cases reported among residents/patients*	478	38
Cases reported among staff*	363	31
Total number of deaths** reported as part of the confirmed COVID-19 outbreaks	69	5
Deaths reported among residents/patients*	67	5
Deaths reported among staff**	0	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 6, 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.
- Ontario population projection data for 2020 were sourced from Ontario Ministry of Health, IntelliHEALTH Ontario. Data were extracted on November 26, 2019. **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.
- Deaths are determined by using the outcome field in iPHIS. Any case marked 'Fatal' is included in the deaths data.
- 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=4,726) of COVID-19 by public health unit: Ontario, January 15, 2020 to April 6, 2020

Public Health Unit Name	Cases	Rate per 100,000 population
Algoma Public Health	8	7.0
Brant County Health Unit	50	32.2
Chatham-Kent Public Health	16	15.0
City of Hamilton Public Health Services	173	29.2
Durham Region Health Department	255	35.8
Eastern Ontario Health Unit	44	21.1
Grey Bruce Health Unit	25	14.7
Haldimand-Norfolk Health Unit	79	69.2
Haliburton, Kawartha, Pine Ridge District Health Unit	100	52.9
Halton Region Public Health	161	26.0
Hastings Prince Edward Public Health	21	12.5
Huron Perth Health Unit	22	15.7
Kingston, Frontenac and Lennox & Addington Public Health	52	24.4
Lambton Public Health	83	63.4
Leeds, Grenville & Lanark District Health Unit	73	42.2
Middlesex-London Health Unit	141	27.8
Niagara Region Public Health	154	32.6
North Bay Parry Sound District Health Unit	5	3.9
Northwestern Health Unit	6	6.8
Ottawa Public Health	385	36.5

Public Health Unit Name	Cases	Rate per 100,000 population
Peel Public Health	614	38.2
Peterborough Public Health	42	28.4
Porcupine Health Unit	30	36.0
Public Health Sudbury & Districts	26	13.1
Region of Waterloo Public Health and Emergency Services	170	29.1
Renfrew County and District Health Unit	9	8.3
Simcoe Muskoka District Health Unit	95	15.8
Southwestern Public Health	20	9.5
Thunder Bay District Health Unit	17	11.3
Timiskaming Health Unit	5	15.3
Toronto Public Health	1,103	35.3
Wellington-Dufferin-Guelph Public Health	99	31.7
Windsor-Essex County Health Unit	181	42.6
York Region Public Health	462	37.7
Ontario	4,726	31.8

Table 2. Confirmed cases (n=905) of COVID-19 with travel history* by location: Ontario, January 15, 2020 to April 6, 2020

Location travelled to**	Cases
United States	291
United Kingdom	95
Cruise	55
Mexico	43
Spain	43
Germany	34
France	28
Quebec	23
Portugal	21
Austria	20
Philippines	18
Switzerland	18
Iran	17
Egypt	14
India	14
Cuba	13
Netherlands	11
Ireland	10
British Columbia	9
Colombia	9
Peru	9
Dominican Republic	8

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

Location travelled to**	Cases
Panama	2
Russian Federation	2
Trinidad And Tobago	2
Bangladesh	1
Belgium	1
Bulgaria	1
Cayman Islands	1
Côte D'Ivoire	1
Haiti	1
Hong Kong	1
Iceland	1
Japan	1
Lebanon	1
Malta	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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Citation

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For Further Information

For more information, email cd@oahpp.ca.

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