

SURVEILLANCE REPORT

Diseases of Public Health Significance Cases

Published: June 2025

Introduction

This monthly report publishes recent data on selected Diseases of Public Health Significance (DoPHS) in Ontario, as reported through the integrated Public Health Information System (iPHIS). The presented case counts and rates include confirmed cases for all diseases, and probable cases for select diseases (refer to the 'Data Caveats and Notes' section for details).

Please interpret surveillance results for DoPHS in 2020 through to 2024 with caution due to changes in the availability of health care, health seeking behaviours, public health follow up, and case entry during the COVID-19 pandemic and subsequent recovery period.

The following table provides case counts by month, followed by the total counts and rates per 1,000,000 population for 2025 to date (i.e., January to April 2025). The last two columns of the table provide the comparison historical data of 5-year counts and rates per 1,000,000 population for an average year-to-date (i.e., average of January to April counts based on data from 2020 to 2024).

Note: Due to an error in calculating the population denominator, 5-year average rates have changed significantly for specific DoPHS. This has been flagged in Table 1 after the applicable DoPHS.

Table 1: Selected Diseases of Public Health Significance Case Counts in Ontario, by Month

DoPHS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2025 to date COUNT	2025 to date RATE per 1,000,000 population	5-year average year-to- date COUNT	5-year average year-to- date RATE
Acute Flaccid Paralysis	0	0	1	0									1	0.1	0	0
Acquired Immunodeficiency Syndrome	3	1	4	7									15	0.9	21	1.3
Amebiasis	23	14	22	18									77	4.7	103	6.6
Anaplasmosis	1	0	0	5									6	0.4	n/a	n/a
Babesiosis	0	0	0	0									0	0	n/a	n/a
Blastomycosis	4	5	8	4									21	1.3	28	1.8
Botulism	1	0	0	1									2	0.1	0	0.0
Brucellosis	1	0	0	0									1	0.1	2	0.1
Campylobacter enteritis*	109	119	183	138									549	33.6	491	31.5
Carbapenemase- Producing <i>Enterobacteriaceae</i> *	69	77	109	104									359	22	181	11.6
Chlamydial Infections*	3,590	2,883	3,221	3,095									12,789	782.1	13,461	864.2
Cholera	0	0	0	0									0	0	0	0.0

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Cryptosporidiosis	28	22	35	38									123	7.5	106	6.8
Cyclosporiasis	1	1	2	2									6	0.4	13	0.8
Echinococcus multilocularis Infection	0	0	0	0									0	0	0	0.0
Encephalitis	0	4	2	2									8	0.5	9	0.6
Encephalitis/ Meningitis	9	14	17	14									54	3.3	34	2.2
Food Poisoning, All Causes	7	3	3	3									16	1	10	0.6
Giardiasis*	78	58	77	85									298	18.2	267	17.1
Gonorrhoea (All Types)*	1,143	875	924	964									3,906	238.9	3,636	233.4
Group A Streptococcal Disease, Invasive*	182	169	161	139									651	39.8	484	31.1
Group B Streptococcal Disease, Neonatal	2	3	5	1									11	0.7	12	0.8
Haemophilus Influenzae Disease, All Types, Invasive	39	31	28	19									117	7.2	74	4.8

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Hepatitis A	18	14	23	5									60	3.7	37	2.4
Hepatitis B (Acute)	12	8	7	11									38	2.3	31	2.0
Hepatitis B (Chronic) *	110	111	102	85									408	25	496	31.8
Hepatitis C*	241	201	185	179									806	49.3	1,168	75.0
Human Immunodeficiency Virus*	68	69	56	73									266	16.3	329	21.1
Influenza*	4,837	5,664	3,650	1,702									15,853	969.5	5,462	350.7
Legionellosis	12	7	19	9									47	2.9	49	3.1
Leprosy	0	0	0	0									0	0	0	0.0
Listeriosis	5	1	3	1									10	0.6	21	1.3
Lyme Disease	31	26	30	36									123	7.5	92	5.9
Measles	42	183	440	685									1,350	82.6	5	0.3
Meningitis	15	4	5	8									32	2	32	2.1
Meningococcal Disease, Invasive	4	1	5	5									15	0.9	9	0.6
Mpox	11	1	11	16									39	2.4	n/a	n/a

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Mumps	11	1	4	5									21	1.3	17	1.1
Ophthalmia neonatorum	0	0	0	0									0	0	1	0.1
Paralytic Shellfish Poisoning	0	0	0	0									0	0	0	0
Paratyphoid Fever	6	8	13	8									35	2.1	27	1.7
Pertussis (Whooping Cough)	35	29	10	7									81	5	75	4.8
Pneumococcal Disease, Invasive*	208	242	168	170									788	48.2	438	28.1
Powassan virus	0	0	0	0									0	0	n/a	n/a
Q Fever	3	2	0	1									6	0.4	4	0.3
Rabies	0	0	0	0									0	0	0	0.0
Salmonellosis*	190	197	260	181									828	50.6	575	36.9
Shigellosis	27	31	25	23									106	6.5	74	4.8
Syphilis, Early Congenital	0	2	2	0									4	0.2	6	0.4
Syphilis, Infectious*	210	187	159	142									698	42.7	1,027	65.9

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Syphilis, Other*	190	160	177	172									699	42.7	584	37.5
Tetanus	0	0	0	0									0	0	1	0.1
Trichinosis	0	0	0	0									0	0	1	0.1
Tuberculosis*	83	51	82	73									289	17.7	252	16.2
Tularemia	1	0	0	0									1	0.1	0	0.0
Typhoid Fever	9	15	20	18									62	3.8	44	2.8
Verotoxin Producing <i>E. coli</i> Including HUS	9	8	9	13									39	2.4	38	2.4
West Nile Virus Illness	0	0	0	0									0	0	2	0.1
Yersiniosis	14	20	15	11									60	3.7	78	5.0

Ontario Cases: Ontario Ministry of Health, iPHIS database, extracted by Public Health Ontario [2025 Jun 11].

Ontario Population: Ontario. Ministry of Health and Long-Term Care, IntelliHEALTH Ontario. Population Projections [2020-2024] [date extracted 2024 Jun 10].

= Although measles has been eliminated in Canada, it remains endemic in other countries and therefore, imported and import-related cases continue to occur in Ontario.

n/a = Five-year historical data are not yet available for these diseases (n/a):

- Mpox, first designated as a DoPHS, June 2022.
- Anaplasmosis, Babesiosis and Powassan, first designated as DoPHS, July 2023.

* = DoPHS with greater than 1.0% change in 5-year average rates from the previous report.

Data Notes and Caveats

- iPHIS is a dynamic reporting system which allows ongoing updates to data previously entered. As a result, data extracted from iPHIS represent a snap shot at the time of extraction and may differ from previous or subsequent reports. The data only represent selected cases reported to public health and recorded in iPHIS that meet the Ontario Ministry of Health's confirmed and/or probable [surveillance case definitions](#) in place at the time that the case was reported. Refer to the [Factors Affecting Reportable Diseases in Ontario](#) report for additional information on case definition changes and associated trends from 1991 to 2016. Note that the potential for underreporting and unresolved duplicates exists.
- Please note that the data presented in this report is subject to a time lag of 2 months to ensure completion of data entry requirements.
- Case counts for amebiasis, anaplasmosis, babesiosis, invasive *Haemophilus influenzae* disease (all types), invasive meningococcal disease, Lyme disease, mumps, pertussis, Powassan virus, and West Nile Virus illness are based on the sum of confirmed and probable cases as reported in iPHIS. All other diseases reported in the table are based on confirmed cases only.
- Chronic and acute hepatitis B case counts are not mutually exclusive and should not be added to obtain a total for hepatitis B cases in Ontario.
- A case is reported as encephalitis and/or meningitis when an agent is not specifically identified through laboratory testing or is not reportable.
- Case counts of Carbapenemase-Producing *Enterobacteriaceae* (CPE) include CPE-Infection, CPE-Colonization, and CPE-Unspecified. Where multiple reports with the same carbapenemase are entered in iPHIS for a client, only the first report is included.
- Table 1 is not an exhaustive list of all DoPHS in Ontario. Historical annual counts and rates for most diseases designated as a DoPHS are available in the [Infectious Disease Trends in Ontario reports](#). The following designated diseases/outbreaks are omitted from the table:
 - Counts of Creutzfeldt-Jakob disease are not updated frequently enough for monthly publication as a result of an additional data reconciliation step that is required.
 - Diseases that are extremely rare or have zero incidence in recent years: anthrax, chancroid, diphtheria, hantavirus pulmonary syndrome, hemorrhagic fevers and Lassa fever, plague, acute poliomyelitis, psittacosis/ornithosis, rubella and rubella, congenital syndrome and smallpox.
 - Diseases that are only reportable in outbreak situations or as a combination of individual and aggregate counts: chickenpox (varicella), *Clostridioides difficile* infection (CDI) outbreaks in public hospitals, and gastroenteritis and respiratory infection outbreaks in institutions and public hospitals.
 - Counts of coronaviruses causing severe acute respiratory illness are not included, as COVID-19 cases are reported through other systems. Visit the [Ontario Respiratory Virus Tool](#) for respiratory virus activity in Ontario, including COVID-19, influenza and other respiratory viruses. Information on CDI outbreaks in public hospitals is available in the [Infectious Disease Trends in Ontario reports](#).
 - Toronto Public Health (since mid-March 2020) and Ottawa Public Health (since mid-December 2023) report sporadic laboratory-confirmed influenza cases in aggregate to Public Health Ontario for inclusion in the Ontario Respiratory Virus Tool. These cases are not entered in iPHIS which means that the laboratory-confirmed influenza case counts since April 2020 that are presented in this monthly report are incomplete. For more complete seasonal laboratory-confirmed influenza case totals, refer to the [Ontario Respiratory Virus Tool](#).

Citation

Ontario Agency for Health Protection and Promotion (Public Health Ontario). Diseases of public health significance cases. Toronto, ON: King's Printer for Ontario; 2025.

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