

USER GUIDE

Infectious Disease Trends in Ontario Tool

Updated: July 2026

Introduction

The [Infectious Disease Trends in Ontario Tool](#) provides 10 years of analyzed data on diseases of public health significance (DoPHS) in Ontario. Data are collected by the public health units primarily from clinicians, laboratories and hospitals and then analyzed by PHO.

This tool can help with surveillance, as well as inform program planning and policy. Search, customize and export information from interactive maps, graphs and tables according to your needs. You can also sort the data by public health unit and demographics.

The tool is organized into two sections with tabs which provide different views of the data:

Annual details:

- **Overall tab:** contains both counts and rates of DoPHS over time by year and by month
- **Age and sex tab:** users can compare trends or distribution by age group and sex for select DoPHS
- **Public health unit tab:** users can compare DoPHS by public health unit
- **Outcomes tab:** users can explore hospitalization and deaths for selected DoPHS at the provincial level
- **Data tables tab:** users can customize tables to export data from the tool

Monthly preliminary data:

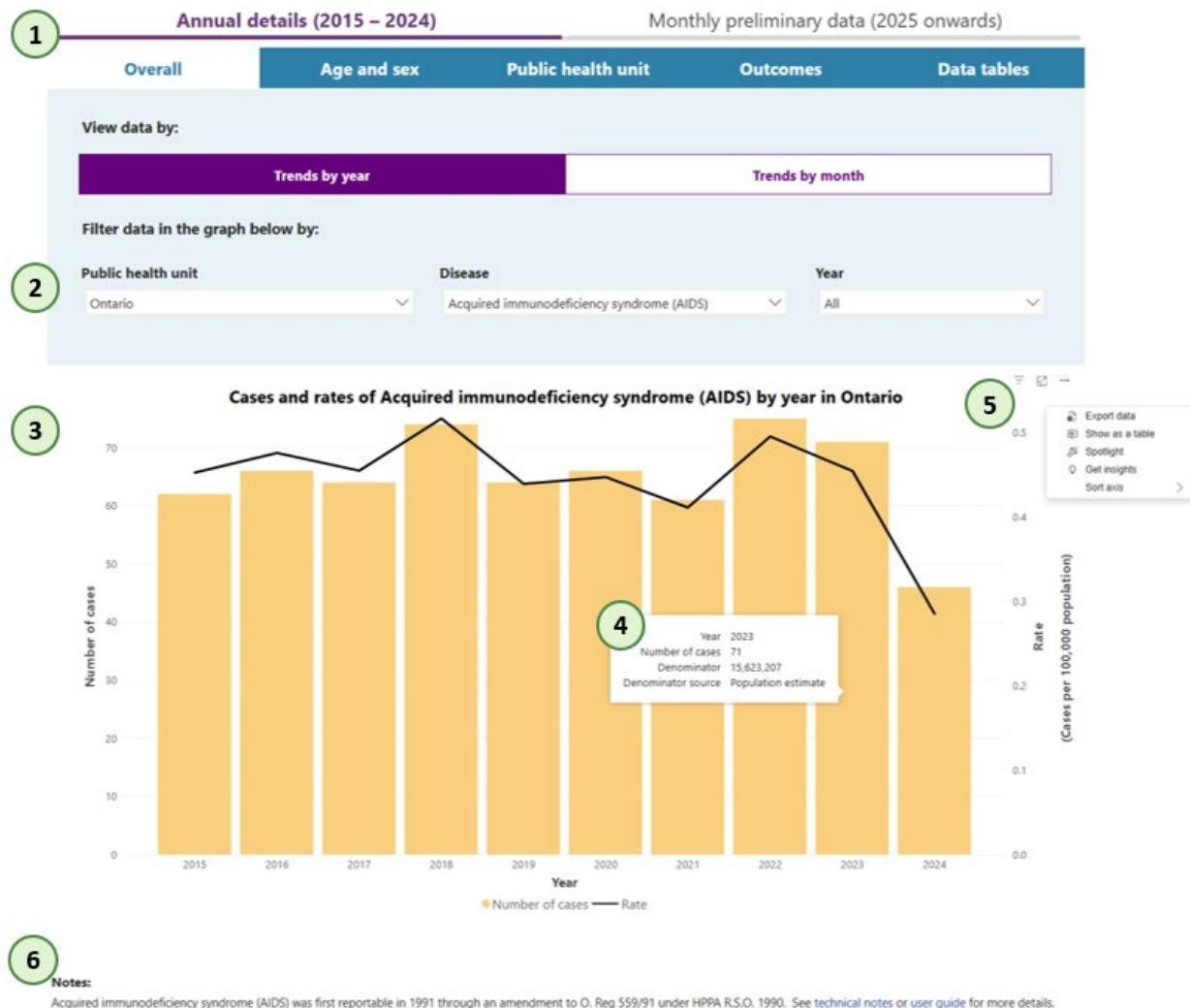
- Users can view the most recent monthly data for DoPHS in the province

For a complete list of what DoPHS are included in which tabs please see [Appendix](#).

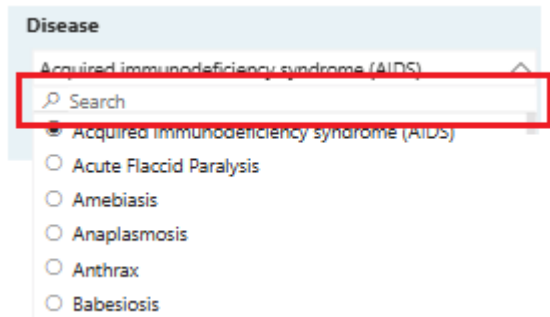
Using the Infectious Disease Trends in Ontario Tool

Overview

Generally, the functionality is similar across the different tabs in the tool. The available selection areas of the tool are numbered and summarized below.



1. **Navigation bar:** This top navigation bar is used to move between the different sections (Annual details and Monthly preliminary data) and tabs (e.g., 'Overall', 'Age and sex', 'Public health unit', 'Outcomes', and 'Data tables'). The tab being viewed is indicated in white, while the others remain blue.
2. **Filters:** Filters are used to select or remove content included in the graphs and can be opened by selecting the drop-down arrow on the right side. The filter will either allow for a single selection or multi-selection depending on the chosen stratifier. Further details on filters in specific tabs are available later in this guide.
 - A search bar will appear when the 'Disease' filter is opened, allowing the users to quick find the disease they are looking for without scrolling through the entire list

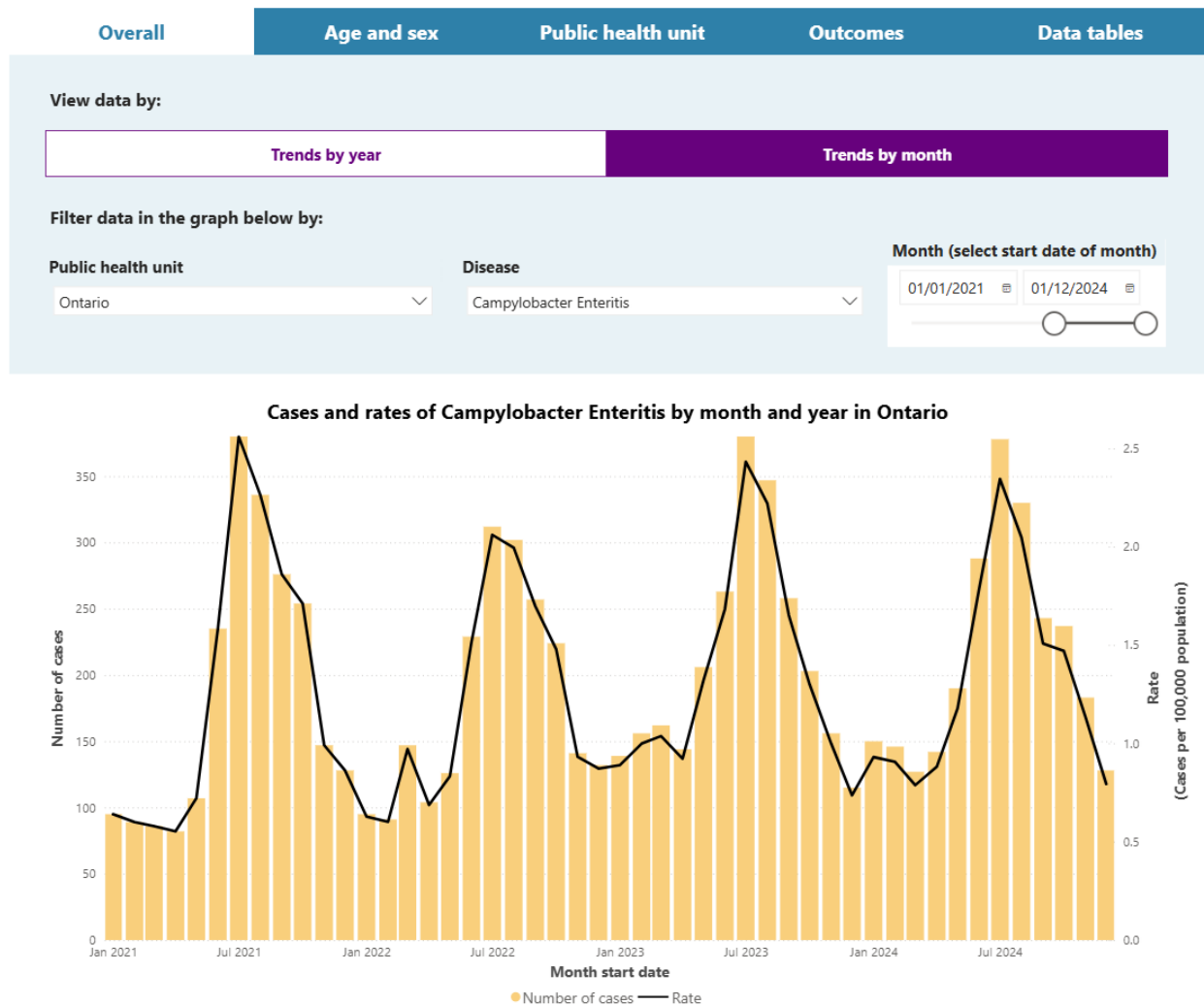


- The 'Measure' filter appears within the 'Age and sex' and 'Public health unit' tabs and can be used to change the measure visualized in the graph below
3. **Graph:** Each tab contains a single graph that is adjusted based on user selection in the above filters.
 4. **Tooltips:** When hovering over any data point on a graph, a tooltip will appear with related information about that data point.
 5. **Download data from the graph:** When hovering over a graph, a context menu (denoted by three dots) will appear at the top right. Once selected, users can choose to export the data in the graph or view the data in the graph as a table. To capture an image of the graph, users can use the Snipping tool built into Microsoft Windows (Windows logo key + Shift + S) or macOS (Command + Shift + 5).
 6. **Notes:** Beneath the graph in each tab are brief notes describing important considerations for data interpretation. Further details can be found in the technical notes.

Annual Details

Overall Tab

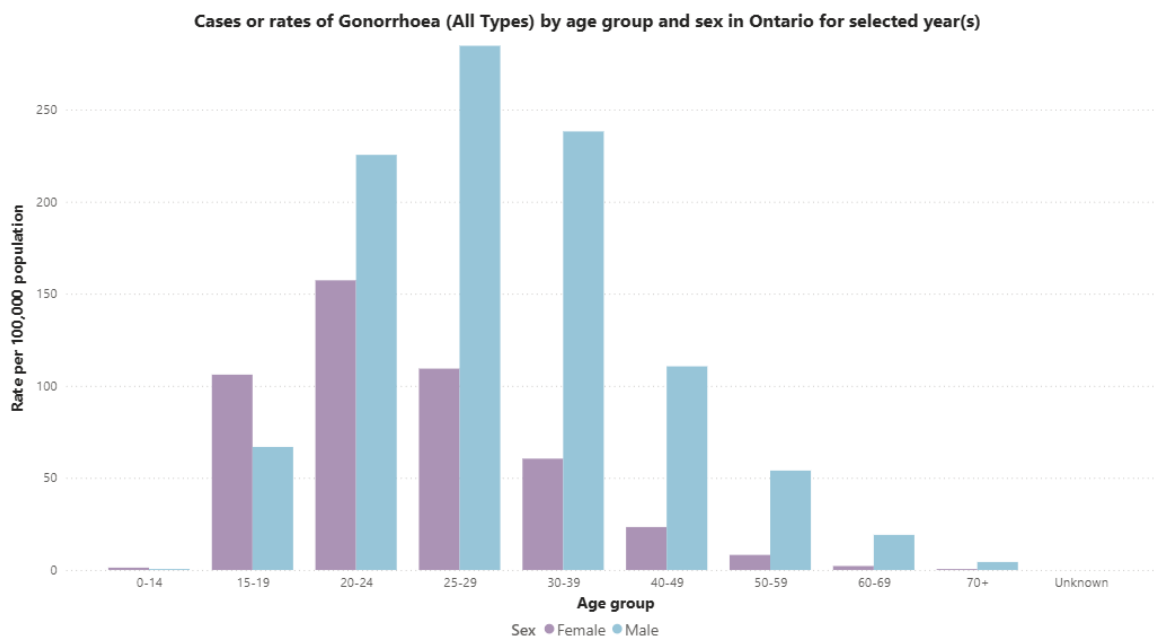
This tab provides a bar and line graph visualizing both counts and rates of DoPHS over time for a single disease at a time, with filters to adjust the public health unit (province of Ontario, Canada, or one of the 29 PHUs in the province), disease, and time period. The purple buttons below the top navigation bar can be used to choose between viewing data by year or by month.



Age and Sex Tab

This tab provides either a bar graph ('Distribution by age group' and 'Distribution by age group and sex') or a multi-line graph ('Trends by age group' and 'Trends by sex') visualizing either counts or rates of harms by age group and sex with filters to adjust the public health unit (province of Ontario or one of the 29 PHUs in the province), DoPHS, measure (counts or rates), and time period. The purple buttons below the top navigation bar can be used to move between the different views.

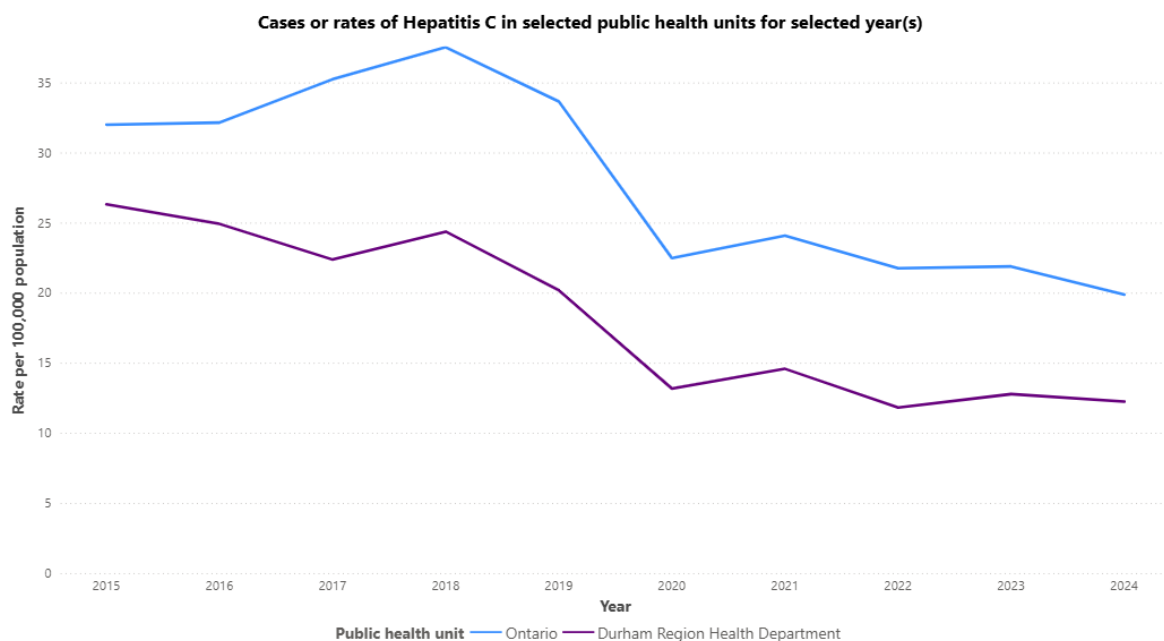
Overall	Age and sex	Public health unit	Outcomes	Data tables
View data by:				
Distribution by age group Distribution by age group and sex Trends by age group Trends by sex				
Filter data in the graph below by:				
Public health unit		Disease		
Ontario		Gonorrhoea (All Types)		
Measure		Year		
Rate per 100,000 population		All		



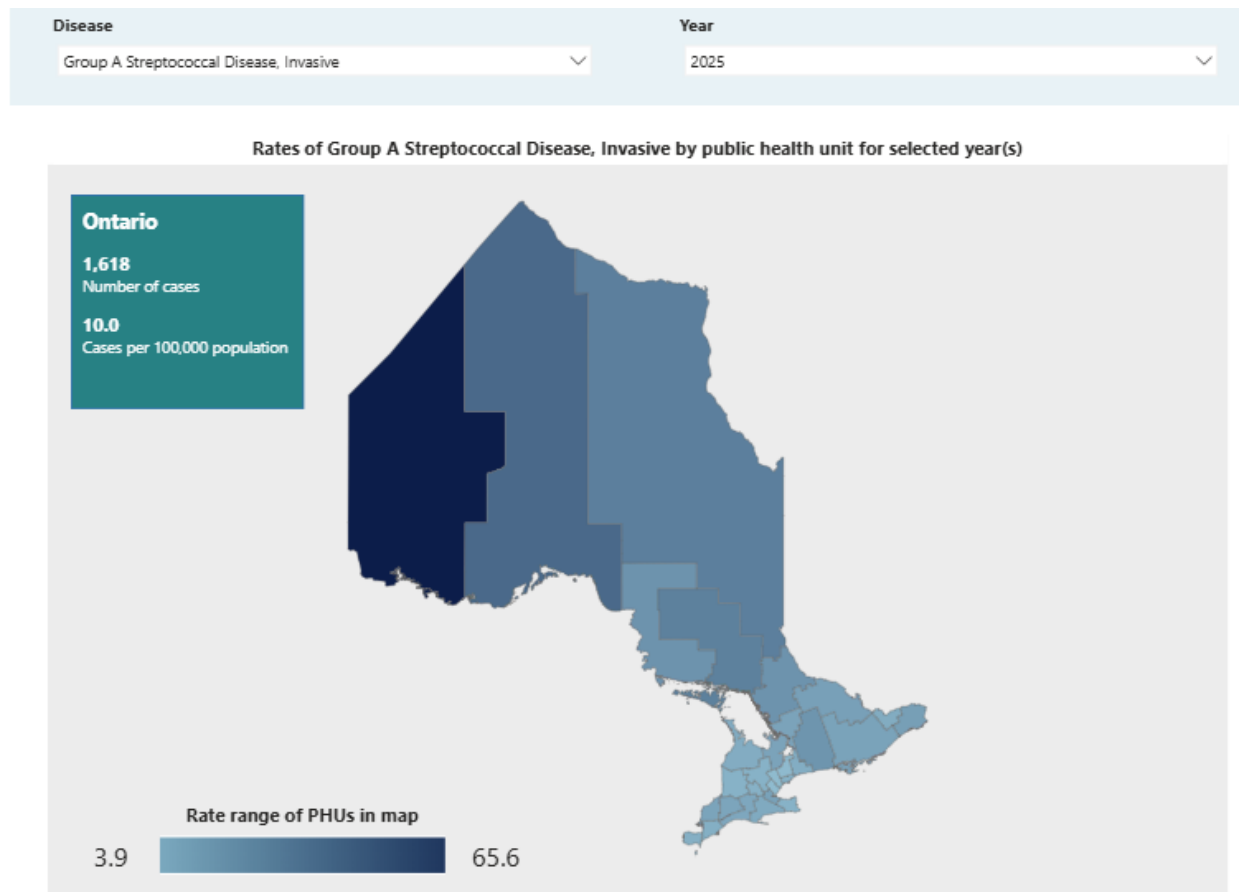
Public Health Unit Tab

This tab provides a multi-line graph visualizing either counts or rates of DoPHS over time for multiple public health units at a time, with filters to adjust the public health unit (province of Ontario or one of the 29 PHUs in the province), disease, and time period. Selecting more than one public health unit in that filter will add the corresponding information to the graph (by default only the provincial line is selected).

Overall	Age and sex	Public health unit	Outcomes	Data tables
View data by:				
Trends over time			Map of public health units	
Filter data in the graph below by:				
Public health unit		Disease		
Multiple selections		Hepatitis C		
Measure	Year			
Rate per 100,000 population	All	Show trends Show distribution		



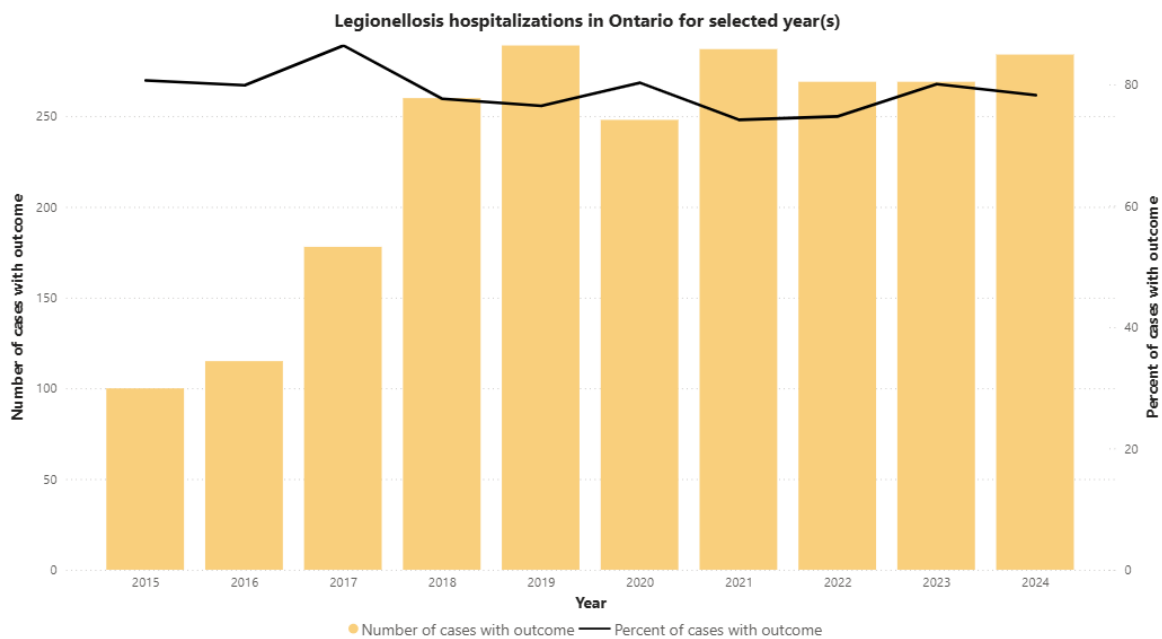
This tab also provides a shaded map view of the province where disease rates are visualized by public health unit. A legend shows the rate range of the PHUs in the province for the disease and year(s) that are being mapped.



Outcomes Tab

This tab provides a bar and line graph visualizing both counts and rates of hospitalizations and deaths for selected DoPHS over time for a single disease at a time for the province, with filters to adjust the disease and time period.

Overall	Age and sex	Public health unit	Outcomes	Data tables
Filter data in the graph below by:				
Disease		Outcome	Year	
Legionellosis		Hospitalizations	All	



Data Tables Tab

This tab provides a table view where users can download data from the other tabs for multiple public health units and diseases at a single time. There are three different table views: overall (without age and sex), by age and sex, and outcome. As noted in the tool overview section, users should interact with the context menu (three dots) at the top right of the table to export data.

Overall	Age and sex	Public health unit	Outcomes	Data tables
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View data by:

Overall
By age group and sex
By outcome

Filter data in the graph below by:

Public health unit
Disease
Year
Sex / Age group

Ontario
All
All
All

Public health unit	Disease	Year	Sex	Age group	Number of cases	Population	Rate per 100,000 population
Ontario	Acquired immunodeficiency syndrome (AIDS)	2015	Female	0-14	0	1,087,531	0.0
Ontario	Acquired immunodeficiency syndrome (AIDS)	2015	Male	0-14	0	1,133,903	0.0
Ontario	Acquired immunodeficiency syndrome (AIDS)	2015	Female	15-19	1	409,307	0.2
Ontario	Acquired immunodeficiency syndrome (AIDS)	2015	Male	15-19	1	435,996	0.2
Ontario	Acquired immunodeficiency syndrome (AIDS)	2015	Female	20-24	0	455,233	0.0
Ontario	Acquired immunodeficiency syndrome (AIDS)	2015	Male	20-24	3	493,689	0.6
Ontario	Acquired immunodeficiency syndrome (AIDS)	2015	Female	25-29	0	457,130	0.0
Ontario	Acquired immunodeficiency syndrome (AIDS)	2015	Male	25-29	3	470,218	0.6
Ontario	Acquired immunodeficiency syndrome (AIDS)	2015	Female	30-39	3	918,492	0.3
Ontario	Acquired immunodeficiency syndrome (AIDS)	2015	Male	30-39	10	874,410	1.1
Ontario	Acquired immunodeficiency syndrome (AIDS)	2015	Female	40-49	3	957,218	0.3
Ontario	Acquired immunodeficiency syndrome (AIDS)	2015	Male	40-49	17	926,035	1.8
Ontario	Acquired immunodeficiency syndrome (AIDS)	2015	Female	50-59	2	1,042,544	0.2
Ontario	Acquired immunodeficiency syndrome (AIDS)	2015	Male	50-59	10	1,028,343	1.0
Ontario	Acquired immunodeficiency syndrome (AIDS)	2015	Female	60-69	0	802,188	0.0
Ontario	Acquired immunodeficiency syndrome (AIDS)	2015	Male	60-69	7	745,185	0.9

Monthly Preliminary Data

This tab provides a single table view where users can view the most recent monthly data for DoPHS in the province. Users can filter the table by disease) and export to excel.

Filter data in the table below by:

Disease

All

Diseases of public health significance case counts in Ontario by month, 2026

Disease	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD total	YTD rate / 100,000 population
Acquired immunodeficiency syndrome (AIDS)	8	6	3	4	6								27	0.16
Amebiasis	9	5	10	6	7								37	0.22
Anaplasmosis	0	0	0	8	17								25	0.15
Babesiosis	0	0	0	0	0								0	0
Blastomycosis	2	10	6	5	1								24	0.14
Botulism	0	0	0	0	0								0	0
Brucellosis	0	0	0	0	1								1	0.01
Campylobacter Enteritis	147	110	186	145	189								777	4.7
Candida auris infection	0	0	0	0	0								0	0
Carbapenemase-producing Enterobacteriaceae (CPE)	110	98	125	120	123								576	3.5
Chickenpox (Varicella)	91	66	69	112	77								415	2.5
Chlamydial Infections	3,261	2,841	3,154	3,102	2,860								15,218	91.8
Cholera	0	0	0	0	0								0	0
Cryptosporidiosis	129	37	31	93	110								400	2.4
Cyclosporiasis	0	0	2	1	39								42	0.25
Echinococcus Multilocularis Infection	0	0	0	0	0								0	0
Giardiasis	79	87	79	80	50								375	2.3
Gonorrhoea (All Types)	1,099	941	1,018	970	886								4,914	29.7
Group A Streptococcal Disease, Invasive	171	154	150	126	127								728	4.4
Group B Streptococcal Disease, Neonatal	4	3	2	2	3								14	0.08
Haemophilus Influenzae Disease, All Types, Invasive	23	22	16	17	31								109	0.66
Hepatitis A	16	10	15	5	10								56	0.34
Hepatitis B, acute	9	9	8	9	9								44	0.27
Hepatitis B, chronic	130	120	128	138	98								614	3.7
Hepatitis C	252	266	259	226	180								1,183	7.1
HIV	72	59	53	48	50								282	1.7
Legionellosis	14	14	17	26	23								94	0.57
Listeriosis	6	4	2	4	5								21	0.13
Lyme Disease	38	36	34	53	118								279	1.7
Measles	1	5	15	3	3								27	0.16
Meningitis	7	5	9	8	10								39	0.24
Meningococcal Disease, Invasive	2	2	2	6	4								16	0.10

Appendix

The following table summarizes what DoPHS data are available in each of the tabs in the tool:

Disease	Ontario	Canada	PHU	Age and sex	Hospitalizations	Deaths	Monthly preliminary data
Acquired immunodeficiency syndrome (AIDS)	X		X	X		X	X
Acute flaccid Paralysis	X		X	X			
Amebiasis	X		X	X	X	X	X
Anaplasmosis	X		X	X	X	X	X
Anthrax	No cases reported						
Babesiosis	X	X	X	X	X	X	X
Blastomycosis	X		X	X		X	X
Botulism	X	X		X			X
Brucellosis	X	X		X			X
Campylobacter enteritis	X	X	X	X	X	X	X
Carbapenemase-producing Enterobacteriaceae (CPE)	X		X	X			X
Candida auris infection	X						X
Chancroid	No cases reported						
Chickenpox (varicella)	X		X	X	X	X	X
Chlamydia	X	X	X	X			X
Cholera	X						X
Clostridium difficile infection (CDI) outbreaks in hospitals	X					X	
Creutzfeldt-Jakob disease	X		X	X		X	
Cryptosporidiosis	X	X	X	X	X	X	X

Disease	Ontario	Canada	PHU	Age and sex	Hospitalizations	Deaths	Monthly preliminary data
Cyclosporiasis	X	X	X	X	X	X	X
Diphtheria	No cases reported						
Echinococcus multilocularis infection	X						X
Giardiasis	X	X	X	X	X	X	X
Gonorrhea	X	X	X	X			X
Group A Streptococcal disease, invasive	X	X	X	X	X	X	X
Group B Streptococcal disease, neonatal	X	X	X			X	X
Haemophilus influenzae disease, all types, invasive	X	X	X	X	X	X	X
Hantavirus pulmonary syndrome	No cases reported						
Hemorrhagic fevers and Lassa fever	No cases reported						
Hepatitis A	X	X	X	X	X	X	X
Hepatitis B (acute)	X		X	X	X	X	X
Hepatitis B (chronic)	X		X	X	X	X	X
Hepatitis C	X	X	X	X	X	X	X
HIV	X	X	X	X		X	X
Legionellosis	X	X	X	X	X	X	X
Leprosy	X	X	X	X			
Listeriosis	X	X	X	X	X	X	X
Lyme disease	X	X	X	X	X	X	X
Measles	X	X	X	X	X	X	X
Meningococcal disease, invasive	X	X	X	X	X	X	X
Mpox	X		X	X	X	X	X
Mumps	X	X	X	X	X	X	X

Disease	Ontario	Canada	PHU	Age and sex	Hospitalizations	Deaths	Monthly preliminary data
Ophthalmia neonatorum	X		X				X
Paralytic shellfish poisoning	No cases reported						X
Paratyphoid fever	X		X	X	X	X	X
Pertussis	X	X	X	X	X	X	X
Plague	No cases reported						
Pneumococcal disease, invasive	X		X	X	X	X	X
Poliomyelitis (polio)	No cases reported						
Powassan virus	X						X
Psittacosis/Ornithosis	No cases reported						
Q fever	X		X	X			X
Rabies	X						X
Rubella	No cases reported	X					
Rubella syndrome, congenital	No cases reported	X					
Salmonellosis	X	X	X	X	X	X	X
Shigellosis	X	X	X	X	X	X	X
Smallpox	No cases reported						
Syphilis, infectious	X		X	X			X
Tetanus	X	X	X		X	X	X
Trichinosis	X						X
Tuberculosis	X	X	X	X		X	X
Tularemia	X						X
Typhoid fever	X	X	X	X	X	X	X
Verotoxin-producing E. coli	X	X	X	X	X	X	X
West Nile virus illness	X		X	X	X	X	X
Yersiniosis	X		X	X	X	X	X

Citation

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