

USER GUIDE

Infectious Disease Trends in Ontario Tool

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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:

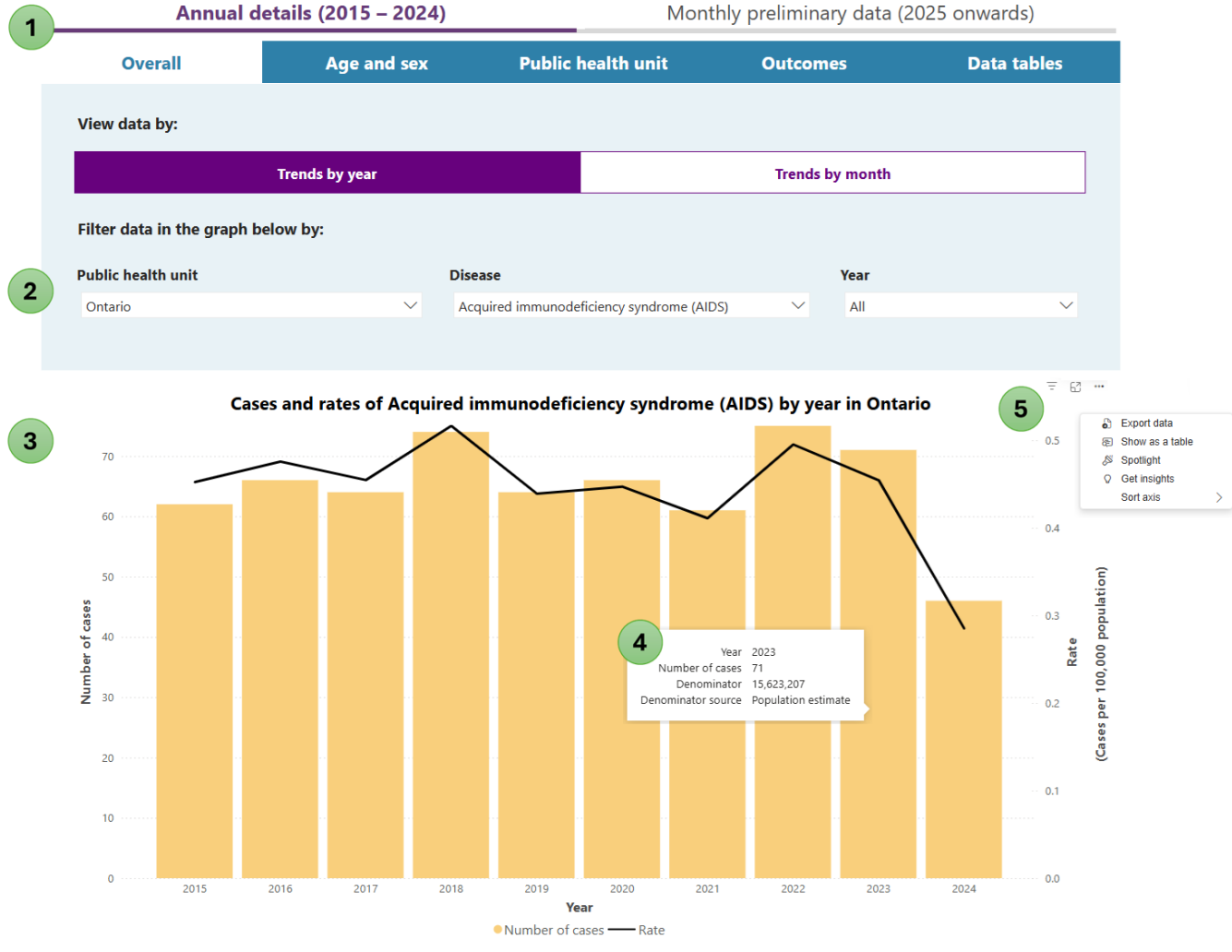
- Users can view the most recent monthly data for DoPHS in the province

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

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.



6 Notes:
 Acquired immunodeficiency syndrome (AIDS) was first reportable in 1991 through an amendment to O. Reg 559/91 under HPPA R.S.O. 1990. See [technical notes](#) or [user guide](#) for more details.

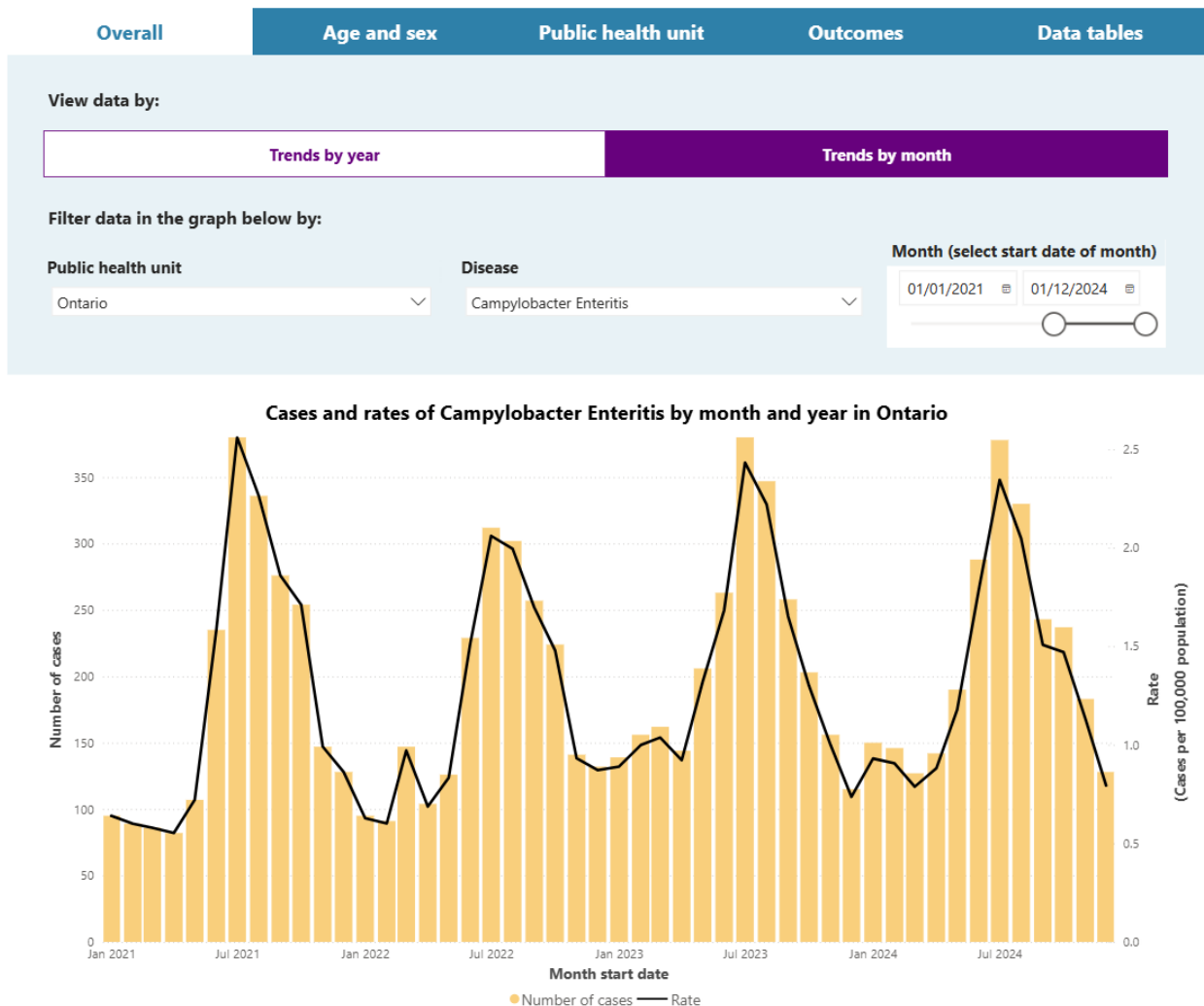
- 1. Navigation bar:** This top navigation bar is used to move between the different sections (Annual details and Monthly preliminary data) and tabs (e.g., ‘Overall’, ‘Age and sex’, ‘Public health unit’, ‘Outcomes’, and ‘Data tables’). The tab being viewed is indicated in white, while the others remain 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.
 - 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

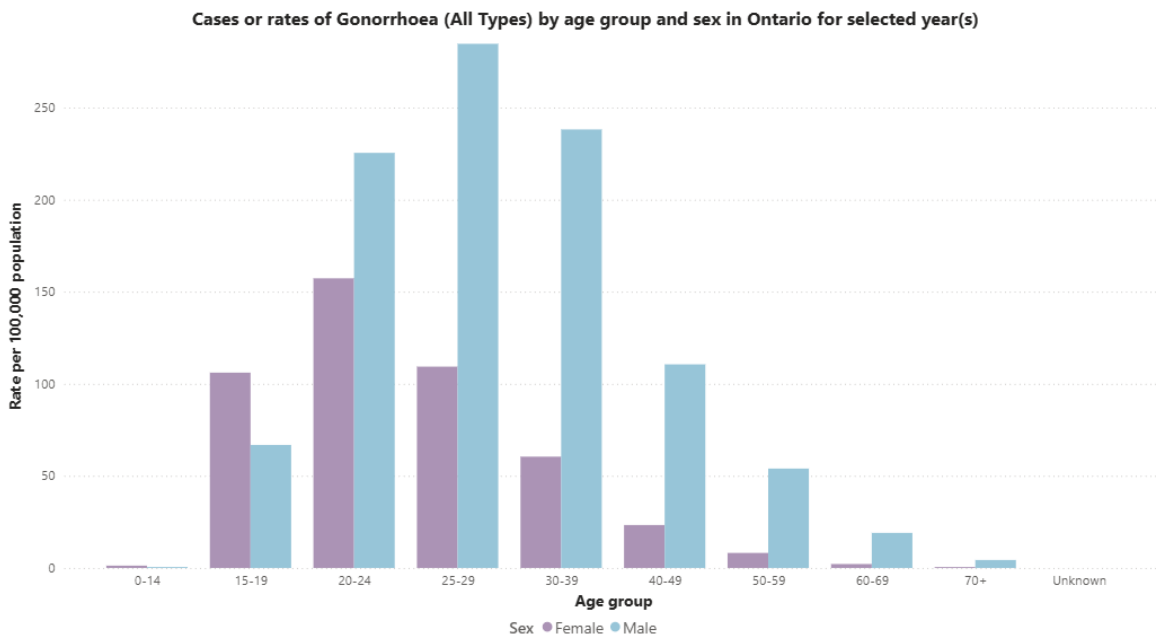
Filter data in the graph below by:

Public health unit

Disease

Measure

Year



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

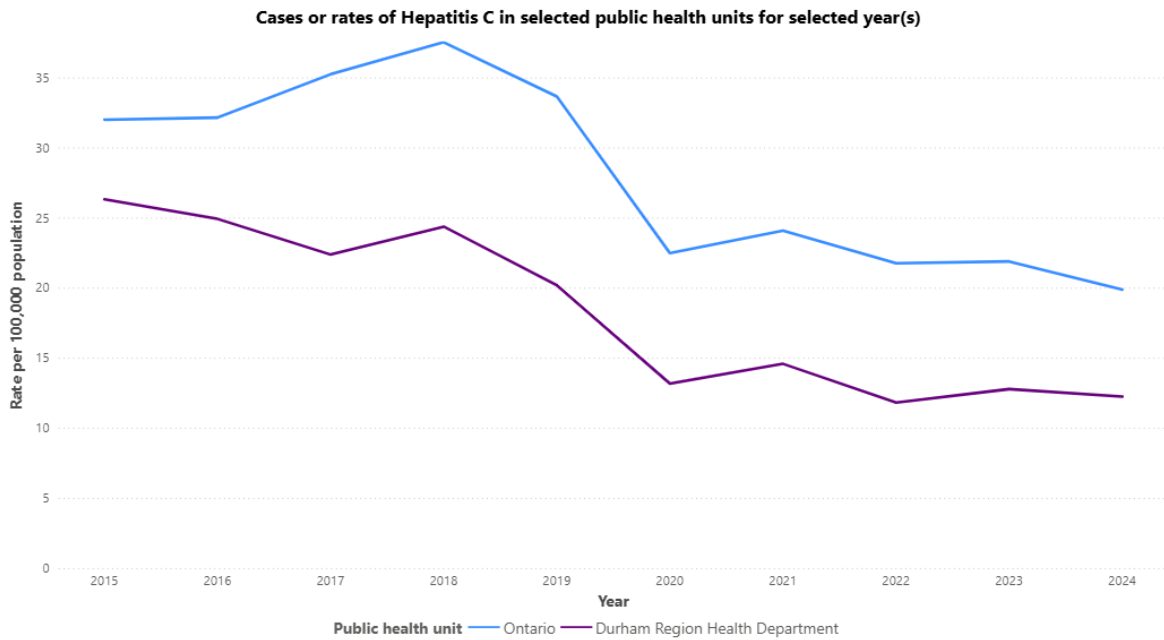
Filter data in the graph below by:

Public health unit

Disease

Measure

Year



This tab also provides a shaded map view of the province where disease rates are visualized by public health unit.

Overall Age and sex **Public health unit** Outcomes Data tables

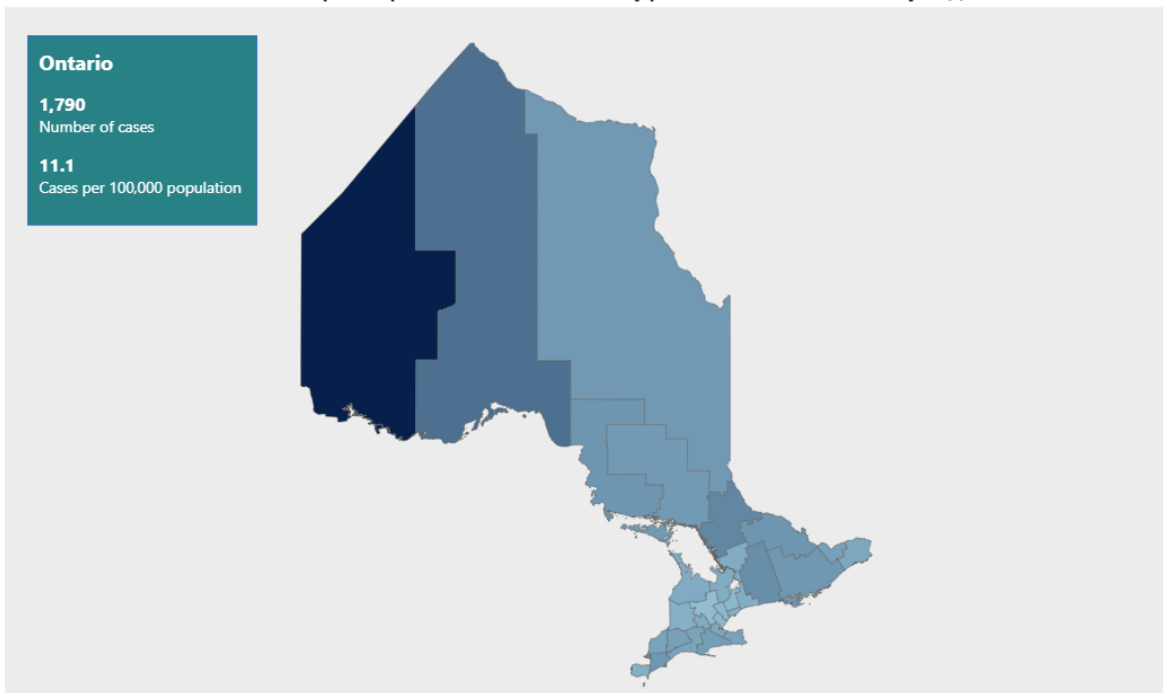
View data by:

Trends over time **Map of public health units**

Filter data in the graph below by:

Disease: Group A Streptococcal Disease, Invasive Year: 2024

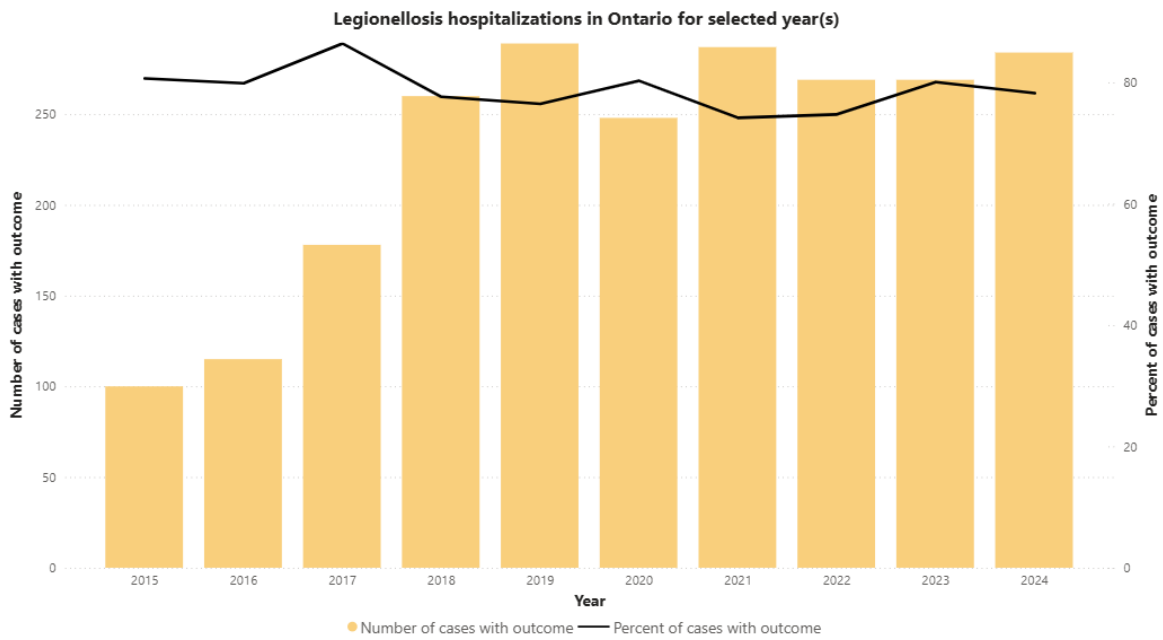
Rates of Group A Streptococcal Disease, Invasive by public health unit for selected year(s)



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

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

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 year (if applicable) and export to excel.

Filter data in the table below by:

Disease

Multiple selections

Year

All

Diseases of public health significance case counts in Ontario, by month for 2025

Disease	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD total	YTD rate / 100,000 population
Acute Flaccid Paralysis	0	0	1	0	0	0	0	0	0	0	0	0	1	0.0
AIDS	3	1	4	7	5	4	4	2	3	3	3	3	42	0.1
Amebiasis	26	14	23	24	21	20	28	25	31	18	21	22	273	0.8
Anaplasmosis	1	1	0	11	16	86	112	24	3	29	28	3	314	1.0
Babesiosis	0	0	0	0	0	0	1	0	1	0	0	1	3	0.0
Blastomycosis	6	7	8	7	7	10	4	4	8	3	4	4	72	0.2
Botulism	1	0	0	1	0	0	0	1	0	0	0	0	3	0.0
Brucellosis	1	0	0	0	1	1	0	0	0	0	0	0	3	0.0
Campylobacter Enteritis	111	122	185	139	203	275	315	315	269	218	169	96	2,417	7.3
Candida auris infection	1	0	0	0	0	0	0	0	0	1	0	0	2	0.0
Carbapenemase-producing Enterobacteriaceae (CPE)	68	76	110	108	116	116	103	80	87	124	88	61	1,137	3.4
Chlamydial Infections	3,594	2,888	3,233	3,119	3,257	3,100	3,369	3,169	3,313	3,478	3,119	2,691	38,330	116.2
Cholera	0	0	0	0	0	1	1	0	0	0	0	0	2	0.0
Cryptosporidiosis	29	25	35	40	36	39	74	93	68	49	27	26	541	1.6
Cyclosporiasis	1	1	2	3	19	103	190	37	3	7	1	3	370	1.1
Echinococcus Multilocularis Infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Encephalitis	0	4	2	2	2	3	3	3	2	4	0	1	26	0.1
Encephalitis/Meningitis	9	14	18	14	13	14	19	19	14	10	11	11	166	0.5
Giardiasis	81	61	81	94	70	89	125	124	116	91	63	50	1,045	3.2
Gonorrhoea (All Types)	1,144	875	922	967	1,015	993	1,232	1,117	1,281	1,212	1,048	861	12,667	38.4
Group A Streptococcal Disease, Invasive	184	171	158	149	127	132	95	103	94	93	132	150	1,588	4.8
Group B Streptococcal Disease, Neonatal	2	4	5	1	3	1	3	2	5	3	2	5	36	0.1
Haemophilus Influenzae Disease, All Types, Invasive	39	31	28	22	27	31	16	22	22	28	27	25	318	1.0
Hepatitis A	18	14	24	5	14	15	24	22	12	13	9	6	176	0.5
Hepatitis B, acute	11	8	5	5	11	11	12	14	14	10	13	2	116	0.4
Hepatitis B, chronic	155	155	145	143	153	174	163	130	143	156	129	69	1,715	5.2
Hepatitis C	271	218	208	229	259	260	249	230	223	247	186	118	2,698	8.2
HIV	65	68	56	72	49	69	56	46	60	60	47	77	725	2.2
Legionellosis	13	7	20	10	18	76	40	66	52	42	13	11	368	1.1
Leprosy	0	0	0	0	0	0	0	1	0	0	0	0	1	0.0
Listeriosis	5	1	3	1	7	4	13	13	7	8	5	6	73	0.2
Lyme Disease	35	28	31	44	158	603	1,057	479	206	177	101	17	2,936	8.9
Measles	42	184	444	690	487	150	87	7	6	8	1	1	2,107	6.4
Meningitis	15	6	5	9	9	14	15	18	27	11	11	8	148	0.4
Meningococcal Disease, Invasive	4	1	5	5	4	9	2	0	4	3	2	3	42	0.1
Mpox	11	1	11	16	25	35	22	11	13	5	21	15	186	0.6
Mumps	11	1	4	5	1	2	0	2	3	2	2	2	35	0.1
Ophthalmia Neonatorum	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Paratyphoid Fever	6	9	14	10	1	6	1	5	4	2	2	5	65	0.2
Pertussis (Whooping Cough)	37	29	10	7	15	21	14	13	17	8	12	1	184	0.6
Powassan virus	0	0	0	1	0	0	2	1	1	0	0	0	5	0.0
Q Fever	2	2	0	1	1	1	1	1	0	0	0	1	10	0.0
Rabies	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Salmonellosis	193	200	268	190	232	187	224	217	192	171	164	139	2,377	7.2
Shigellosis	27	32	24	27	16	23	33	43	23	29	29	21	327	1.0
Streptococcus Pneumoniae, Invasive	209	244	169	181	173	116	66	58	98	138	142	237	1,831	5.6
Syphilis, Early Congenital	0	3	1	0	0	1	2	1	1	2	1	2	14	0.0

Appendix A

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
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						
Creutzfeldt-Jakob disease	X		X	X		X	
Cryptosporidiosis	X	X	X	X	X	X	X
Cyclosporiasis	X	X	X	X	X	X	X

Disease	Ontario	Canada	PHU	Age and sex	Hospitalizations	Deaths	Monthly preliminary data
Diphtheria	No cases reported						
Echinococcus multilocularis infection	X						X
Giardiasis	X	X	X	X	X	X	X
Gonorrhoea	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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