

USER GUIDE

Infectious Diseases (ID) Query

Updated: October 2025

Introduction

The [Infectious Diseases \(ID\) Query](#) tool provides aggregated infectious disease data that summarize counts of reportable disease cases from the last ten years and the current year-to-date. This analytics tool provides public health professionals with the opportunity for interactive data exploration and drill-down analysis. At this time, PHO restricts access to the tool to authorized public health professionals.

This user guide describes the contents of this interactive report, how it is organized, and the functionalities for visualizing the content.

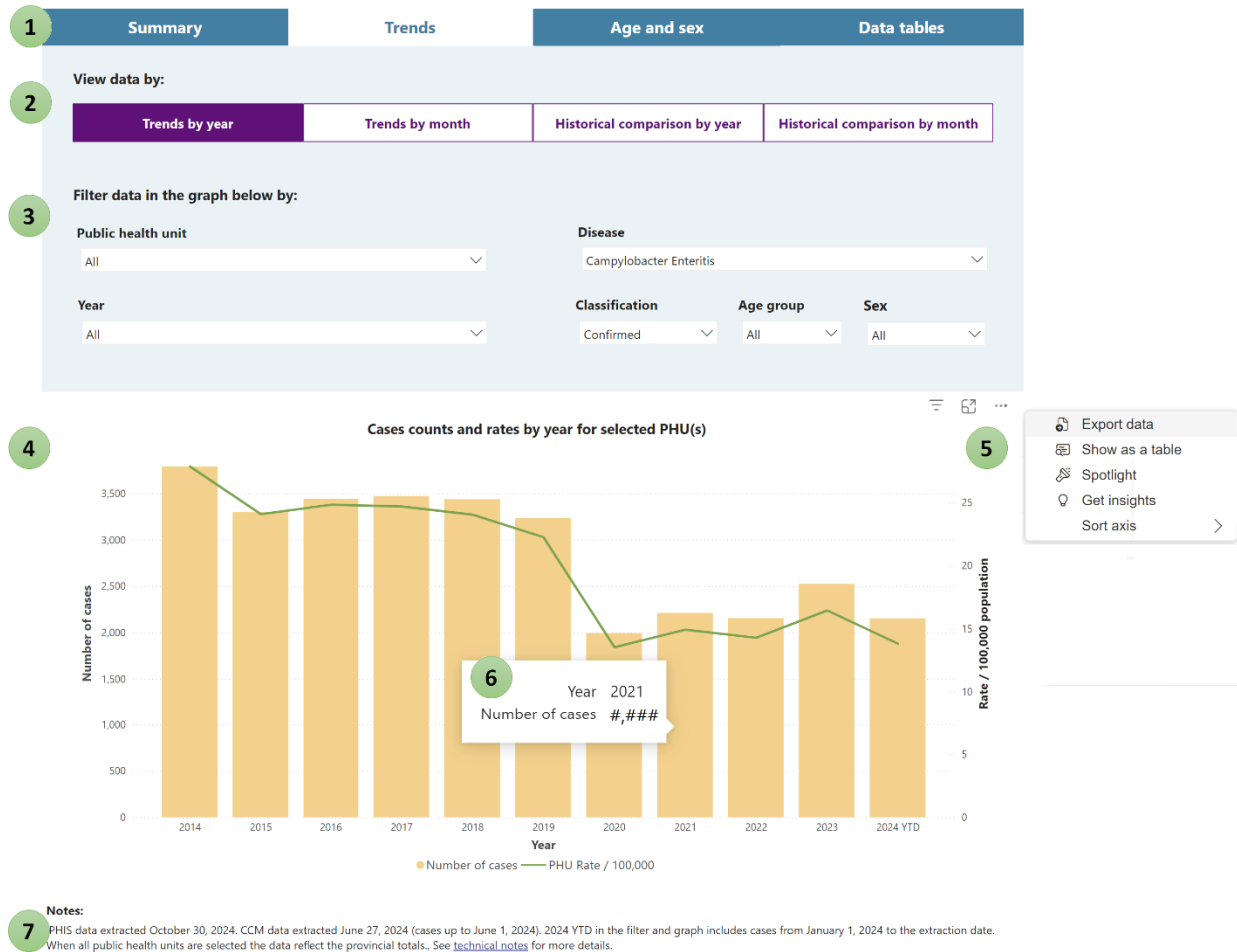
The tool is organized into four tabs which provide different views of the data:

- **Summary tab:** Contains annual totals for confirmed cases, including the current year-to-date (YTD)
- **Trends tab:** Contains a more detailed view of the data by year or month, including historical comparisons
- **Age and sex tab:** Contains data presented by age group and sex, including historical comparisons
- **Data tables tab:** Users can create data tables suitable for export including all of the available stratifiers

Using the ID Query 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.

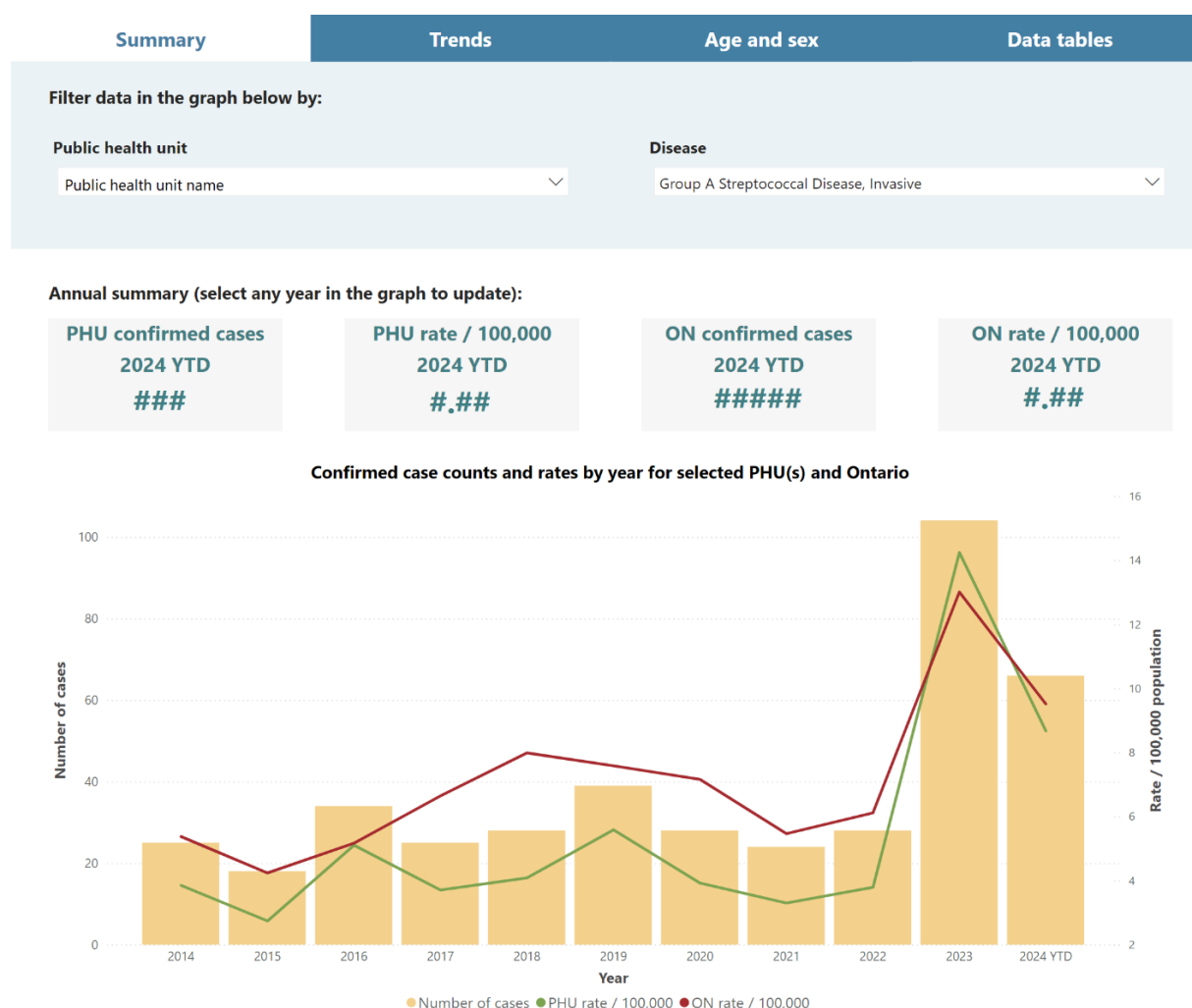


1. **Navigation bar:** This top navigation bar is used to move between the different tabs (Overall, Trends, Public health unit, Age and sex, Drug type). The tab being viewed is indicated in white, while the others remain blue.
2. **View data by:** The buttons in the 'View data by' navigation bar are used to modify the graph being displayed. The selections for this tool vary depending on the tab users have selected. The current selection is indicated in purple, while the others remain white.
3. **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.
4. **Graph:** Each tab contains a single graph that is adjusted based on user selection in the above filters.

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. **Tooltips:** When hovering over any data point on a graph, a tooltip will appear with related information about that data point.
7. **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.

Summary Tab

This tab provides a summary of the most recent confirmed counts and rates of a disease for a public health unit and the province, with an annual trend graph showing these trends for the past 10 years.



When 'All' public health units are selected the provincial results are displayed in both the PHU/ON summary boxes and the rate lines on the graph will overlap only showing the provincial results. By default, all public health units and diseases are selected. The most current year of data displayed only includes cases reported from January 1 of that year to the extraction date noted in the notes section below the graph.

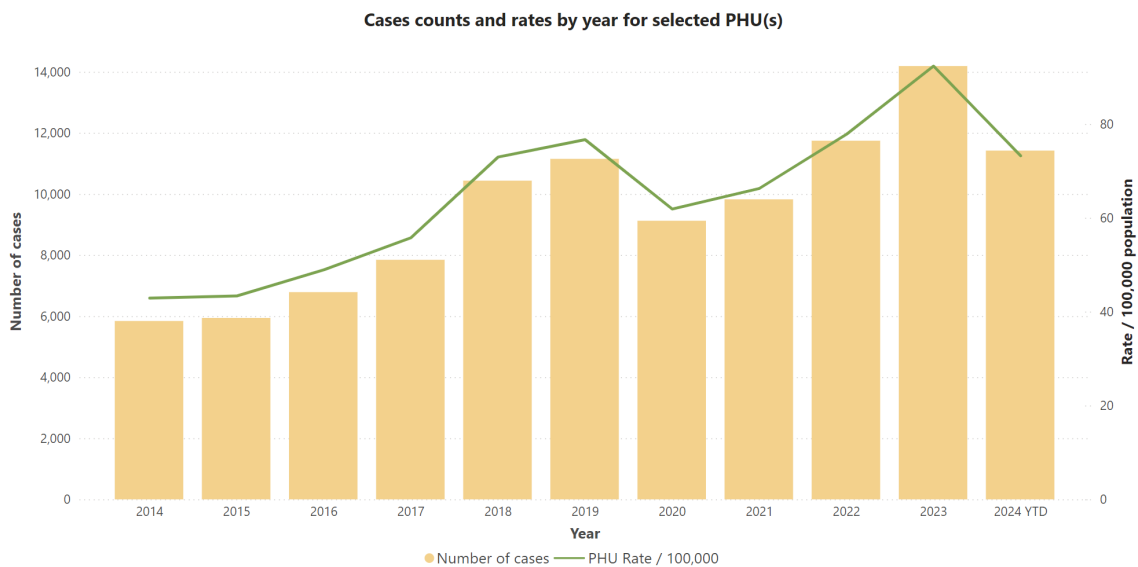
Trends Tab

This tab provides a more detailed view of the data stratified by year or month, including historical comparisons, and contains four sections:

Trends by year

This section contains a combination bar and line graph displaying cases and rates by year. Users can filter the data by public health unit (when 'All' public health units are selected the provincial results are displayed), disease (those designated as Diseases of Public Health Significance (DOPHS)), classification (confirmed, probable), age group, sex, and year. Users can select multiple items in all of the filters, which will combine that information in the graph.

Summary	Trends	Age and sex	Data tables
View data by:			
Trends by year Trends by month Historical comparison by year Historical comparison by month			
Filter data in the graph below by:			
Public health unit		Disease	
All		Gonorrhoea (All Types)	
Year	Classification	Age group	Sex
All	Confirmed	All	All



Trends by month

This section contains a combination bar and line graph displaying cases and rates by month. Users can filter the data by public health unit (when ‘All’ public health units are selected the provincial results are displayed), disease (those designated as Diseases of Public Health Significance (DOPHS)), classification (confirmed, probable), age group, sex, and a slide to adjust the time period included. Users can select multiple items in all of the filters, which will combine that information in the graph.

Summary

Trends

Age and sex

Data tables

View data by:

Trends by year

Trends by month

Historical comparison by year

Historical comparison by month

Filter data in the graph below by:

Public health unit

All

Disease

Group A Streptococcal Disease, Invasive

Month (select start date of month)

24/07/2019

23/10/2024

Classification

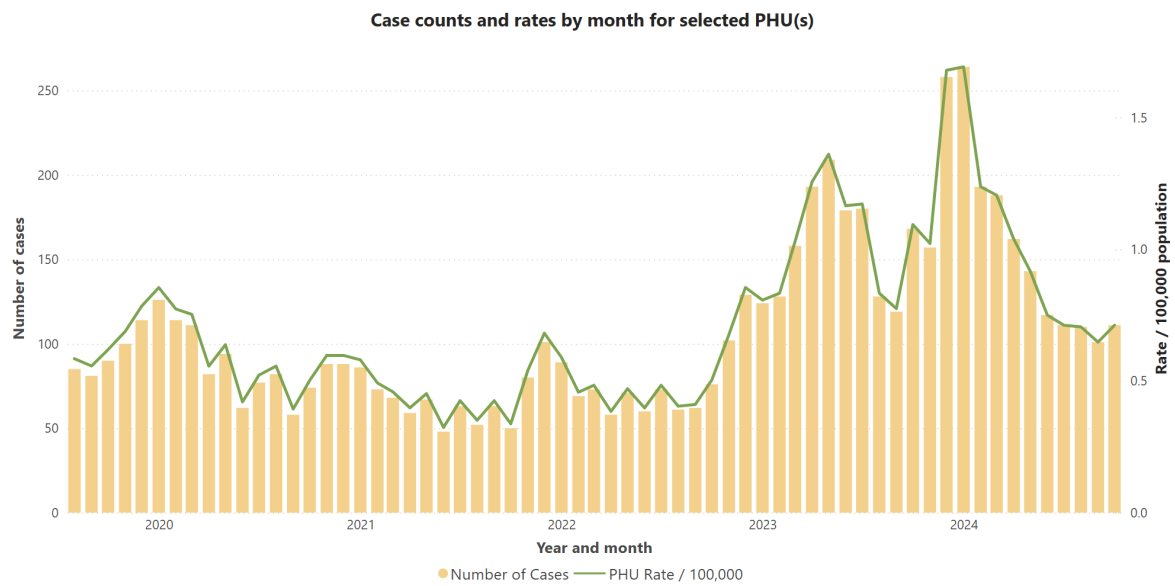
Confirmed

Age group

All

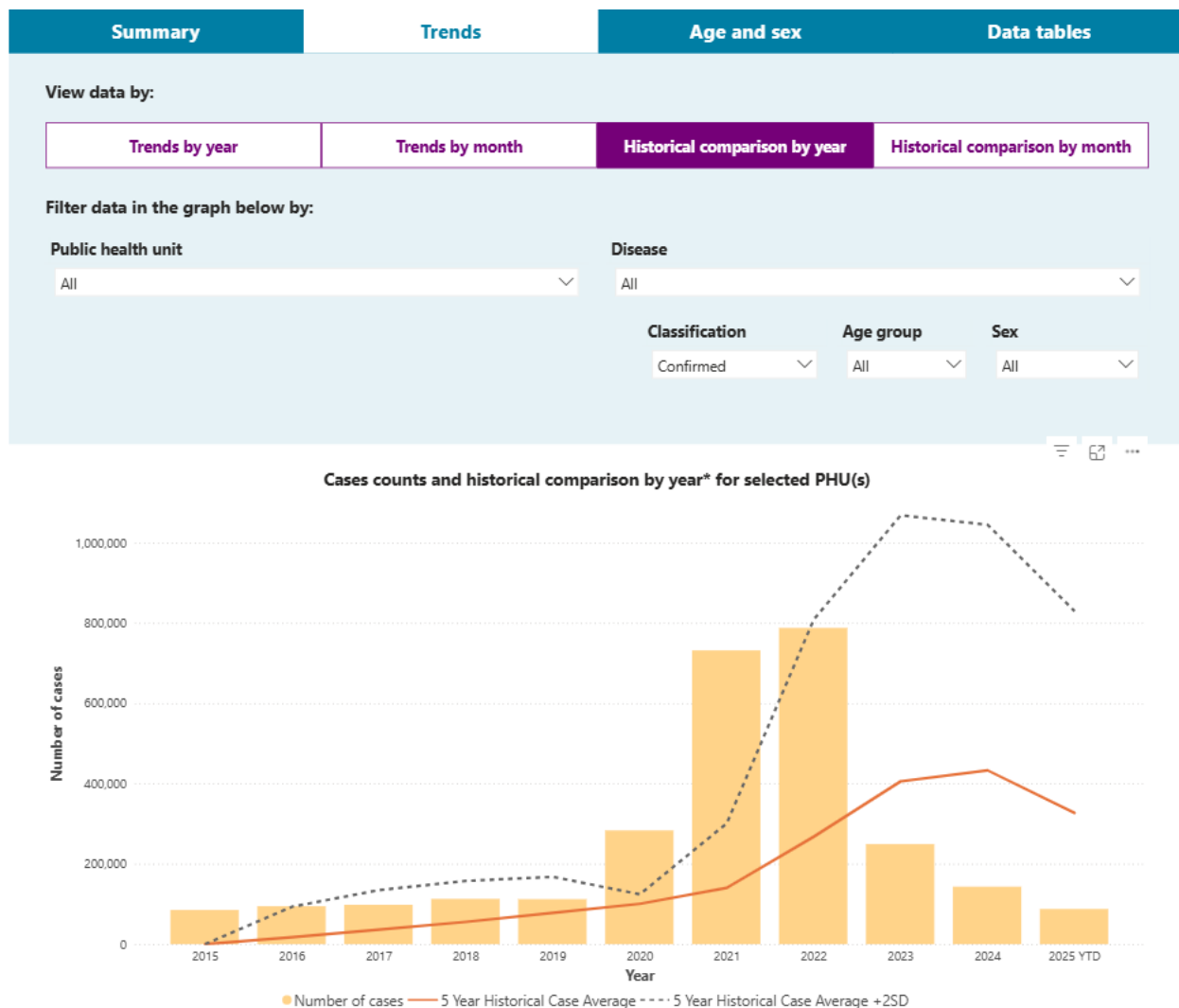
Sex

All



Historical comparison by year

This section contains a combination bar and line graph displaying cases, the five year historical average, and the five year historical average plus two standard deviations (this line can be used to compare if a current year's results are statistically higher than the previous five year average) by year. Users can filter the data by public health unit (when 'All' public health units are selected the provincial results are displayed), disease (those designated as Diseases of Public Health Significance (DOPHS)), classification (confirmed, probable), age group, and sex. Users can select multiple items in all of the filters, which will combine that information in the graph. There is no year filter in this view, and users are cautioned that the five year historical case average is only valid for the last six years of data presented (e.g., in the screen shot below showing results up to 2025 YTD, the comparison is only valid from 2020 onwards).



Historical comparison by month

This section contains a combination bar and line graph displaying cases, the five year historical average, and the five year historical average plus two standard deviations (this line can be used to compare if a current month’s results are statistically higher then the previous five year average) by month. Users can filter the data by public health unit (when ‘All’ public health units are selected the provincial results are displayed), disease (those designated as Diseases of Public Health Significance (DOPHS)), classification (confirmed, probable), age group, and sex. Users can select multiple items in all of the filters, which will combine that information in the graph. There is no time period filter in this view, and users are cautioned that the five year historical case average is only valid for the last six years of data presented (e.g., in the screen shot below showing results including 2025, the comparison is only valid from 2020 onwards).

Summary

Trends

Age and sex

Data tables

View data by:

Trends by year

Trends by month

Historical comparison by year

Historical comparison by month

Filter data in the graph below by:

Public health unit

All

Disease

Salmonellosis

Classification

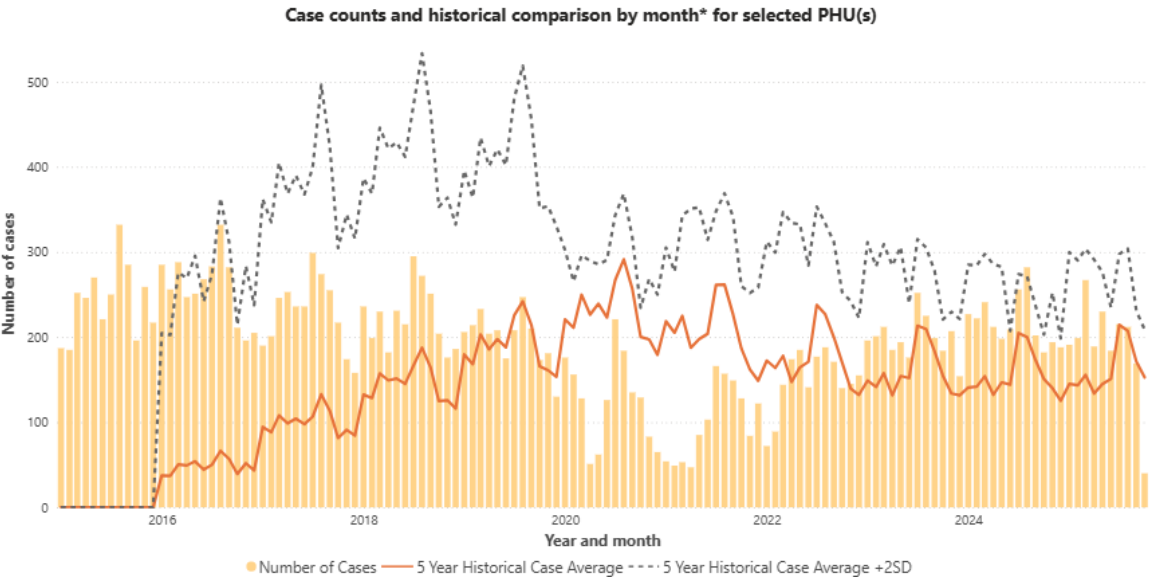
Confirmed

Age group

All

Sex

All



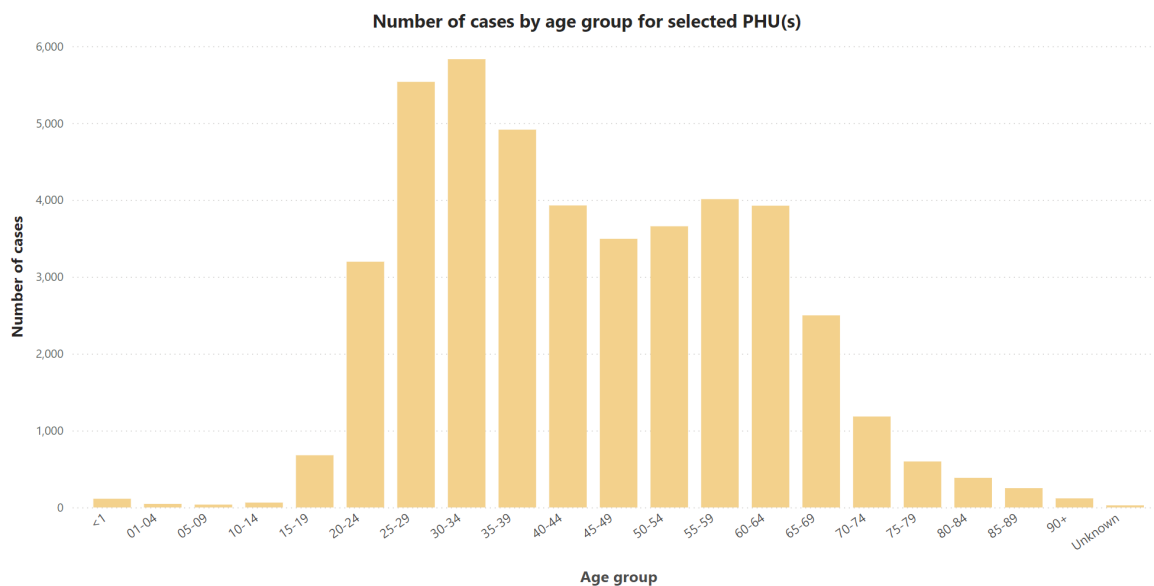
Age and Sex Tab

This tab provides data presented by age group and sex, including historical comparisons, and contains four sections:

Distribution by age group

This section contains a combination bar graph displaying cases or rates by age group. Users can filter the data by public health unit (when 'All' public health units are selected the provincial results are displayed), disease (those designated as Diseases of Public Health Significance (DOPHS)), classification (confirmed, probable), age group, sex, and year. Users can select multiple items in all of the filters, which will combine that information in the graph. The 'Measure' filter is used to switch between cases and rates in the graph.

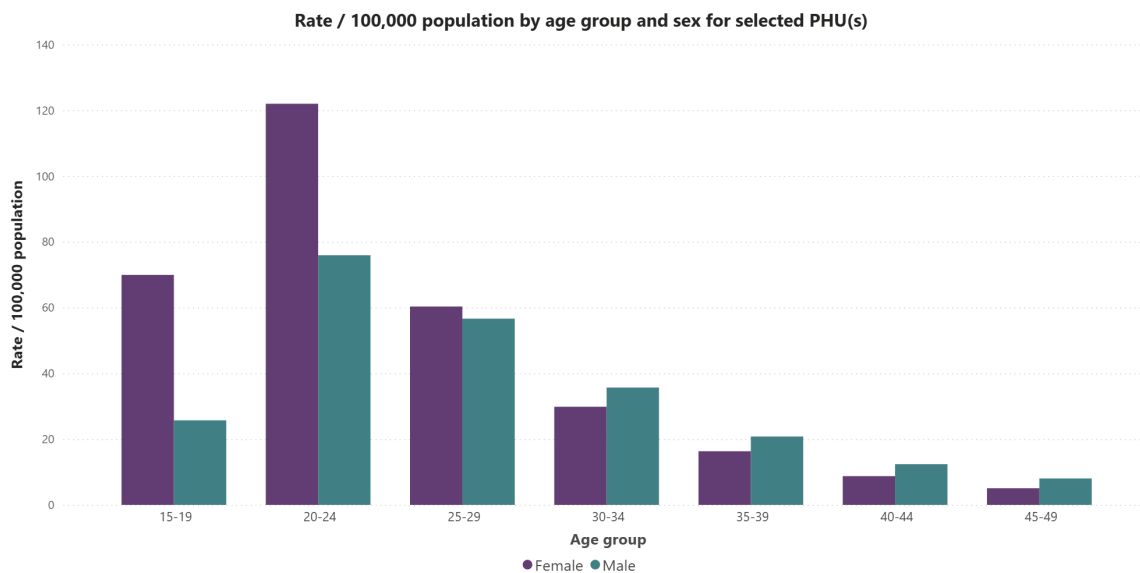
Summary	Trends	Age and sex	Data tables	
View data by:				
Distribution by age group Distribution by age group and sex Historical comparison by age group Trends by age group				
Filter data in the graph below by:				
Public health unit		Disease		
All		Hepatitis C		
Measure	Year	Classification	Age group	Sex
Number of cases	All	Confirmed	All	All



Distribution by age group and sex

This section contains a combination bar graph displaying cases or rates by age group and sex. Users can filter the data by public health unit (when 'All' public health units are selected the provincial results are displayed), disease (those designated as Diseases of Public Health Significance (DOPHS)), classification (confirmed, probable), age group, sex, and year. Users can select multiple items in all of the filters, which will combine that information in the graph. The 'Measure' filter is used to switch between cases and rates in the graph.

Summary	Trends	Age and sex	Data tables
View data by:			
Distribution by age group Distribution by age group and sex Historical comparison by age group Trends by age group			
Filter data in the graph below by:			
Public health unit All		Disease Chlamydial Infections	
Measure Rate / 100,000 population	Year All	Classification Confirmed	Age group Multiple...
			Sex Multiple select...



Historical comparison by age group

This section contains a combination bar and line graph displaying cases, the five year historical average, and the five year historical average plus two standard deviations (this line can be used to compare if an age group’s results are statistically higher then the previous five year average) by age group. Users can filter the data by public health unit (when ‘All’ public health units are selected the provincial results are displayed), disease (those designated as Diseases of Public Health Significance (DOPHS)), classification (confirmed, probable), age group, sex, and year. Users can select multiple items in all of the filters (except year), which will combine that information in the graph. There is no year filter in this view, and users are cautioned that the five year historical case average is only valid for the last six years of data presented, although the year filter will only allow for valid selections.

Summary

Trends

Age and sex

Data tables

View data by:

Distribution by age group

Distribution by age group and sex

Historical comparison by age group

Trends by age group

Filter data in the graph below by:

Public health unit

All

Disease

Cryptosporidiosis

Year

2025 YTD

Classification

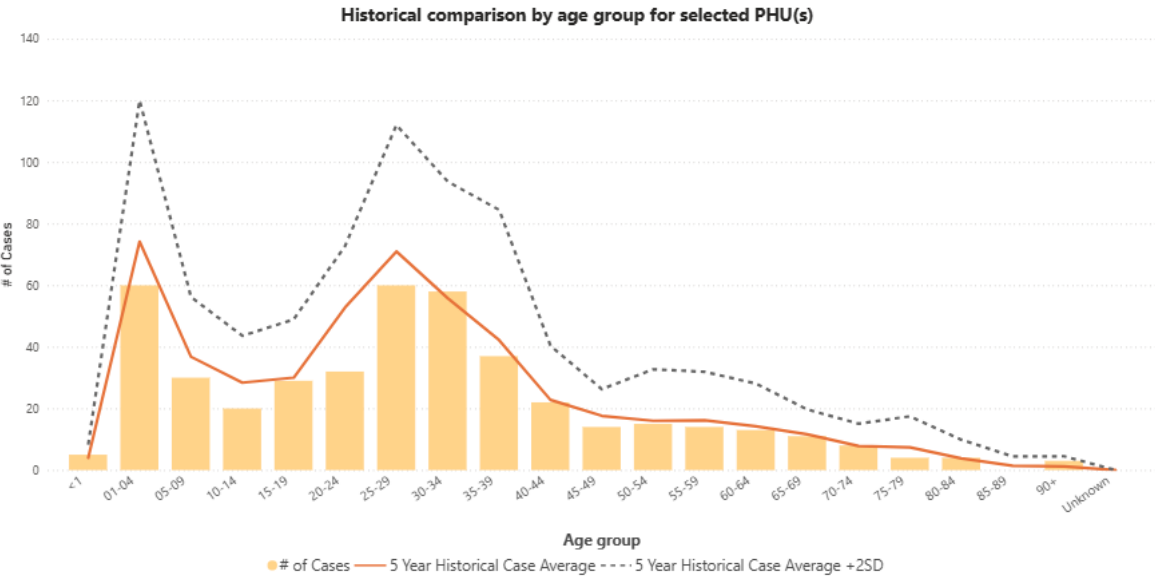
Confirmed

Age group

All

Sex

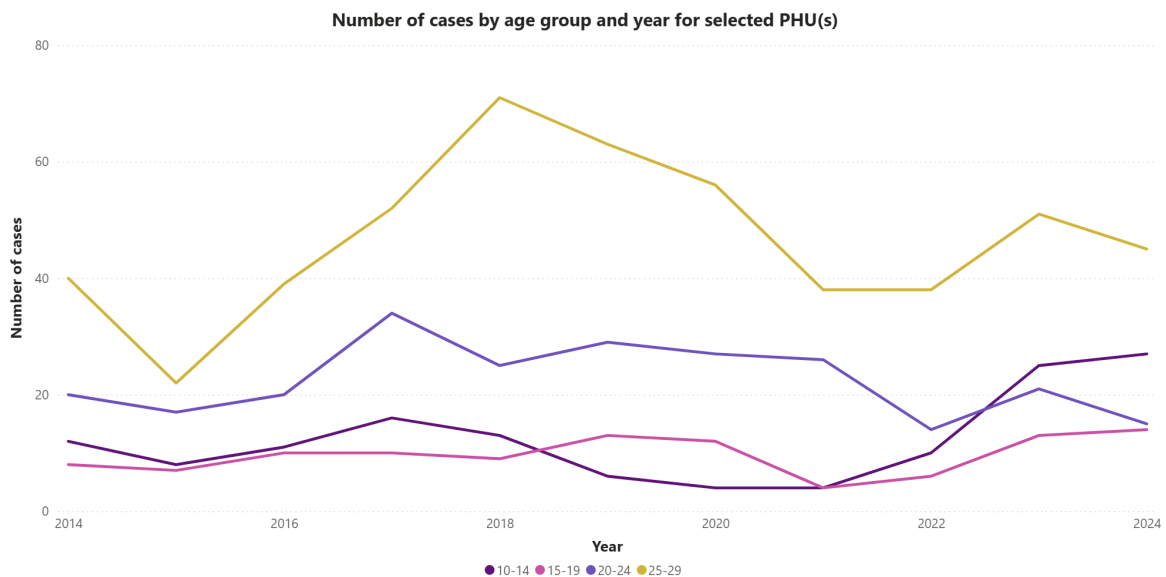
All



Trends by age group

This section contains a multi line graph displaying cases or rates by age group and year. Users can filter the data by public health unit (when 'All' public health units are selected the provincial results are displayed), disease (those designated as Diseases of Public Health Significance (DOPHS)), classification (confirmed, probable), age group, sex, and year. Users can select multiple items in all of the filters, which will combine that information in the graph.

Summary	Trends	Age and sex	Data tables
View data by:			
Distribution by age group Distribution by age group and sex Historical comparison by age group Trends by age group			
Filter data in the graph below by:			
Public health unit		Disease	
All		Group A Streptococcal Disease, Invasive	
Measure	Year	Classification	Age group
Number of cases	All	Confirmed	Multiple...
			Sex
			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. 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.

Summary

Trends

Age and sex

Data tables

Select columns to include in the table below:

Multiple selections

Select measures to include in the table below:

Multiple selections

Filter data in the table below by:

Public health unit

All

Disease

All

Year

All

Month

All

Classification

All

Sex

All

Age group

All

Public health unit	Disease	Year	PHU Cases	PHU Rate / 100,000	ON Cases	ON Rate / 100,000
Algoma Public Health	Acute Flaccid Paralysis	2025 YTD	0	0.00	1	0.01
Algoma Public Health	AIDS	2025 YTD	0	0.00	32	0.20
Algoma Public Health	Amebiasis	2025 YTD	0	0.00	207	1.27
Algoma Public Health	Anaplasmosis	2025 YTD	0	0.00	244	1.49
Algoma Public Health	Anthrax	2025 YTD	0	0.00	0	0.00
Algoma Public Health	Babesiosis	2025 YTD	0	0.00	2	0.01
Algoma Public Health	Blastomycosis	2025 YTD	2	1.60	62	0.38
Algoma Public Health	Botulism	2025 YTD	0	0.00	6	0.04
Algoma Public Health	Brucellosis	2025 YTD	0	0.00	3	0.02
Algoma Public Health	Campylobacter Enteritis	2025 YTD	13	10.38	2,219	13.57
Algoma Public Health	Candida auris infection	2025 YTD	0	0.00	1	0.01
Algoma Public Health	Carbapenemase-producing Enterobacteriaceae (CPE)	2025 YTD	2	1.60	867	5.30
Algoma Public Health	Chancroid	2025 YTD	0	0.00	0	0.00
Algoma Public Health	Chlamydial Infections	2025 YTD	177	141.27	29,937	183.08
Algoma Public Health	Cholera	2025 YTD	0	0.00	3	0.02
Algoma Public Health	Creutzfeldt-Jakob Disease, All Types	2025 YTD	0	0.00	9	0.06
Algoma Public Health	Cryptosporidiosis	2025 YTD	2	1.60	445	2.72
Algoma Public Health	Cyclosporiasis	2025 YTD	0	0.00	362	2.21
Algoma Public Health	Diphtheria	2025 YTD	0	0.00	0	0.00
Algoma Public Health	Diseases caused by a novel coronavirus	2025 YTD	0	0.00	0	0.00
Algoma Public Health	Echinococcus Multilocularis Infection	2025 YTD	0	0.00	0	0.00
Algoma Public Health	Encephalitis	2025 YTD	0	0.00	32	0.20
Algoma Public Health	Encephalitis/Meningitis	2025 YTD	1	0.80	206	1.26
Algoma Public Health	Food Poisoning, All Causes	2025 YTD	0	0.00	28	0.17
Total			2,800,407	1,716.82	2,800,407	1,716.82

Users can adjust the filters at the top of the page ('Select column to include in the table below' and 'Select measures to include in the table below') to adjust what data are included in the table. The export function can only output 150,000 rows of data at a time when saving data in xlsx format so users should ensure their selection doesn't generate more rows than this or data in the exported file will be truncated.

Citation

Ontario Agency for Health Protection and Promotion (Public Health Ontario). User guide: infectious diseases query. Toronto, ON: King's Printer for Ontario; 2025

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