



# Public Health Data Dashboards

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September 19, 2024

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# Public Health Data Dashboards

- Public Health Data Dashboards released July 31<sup>st</sup>, 2024
- Suite of data driven dashboards that present local data
  - Infectious diseases (diseases of public health significance)
  - Emergency department visits and hospital discharge data
    - Injuries
    - Selected Chronic diseases
  - Mortality
  - Statistics Canadas' 2021 Census of Population

# Importance of this project

## Ontario Public Health Standards

- Population Health and Assessment (Requirement 2 & 6)
  - Interpret and use surveillance data to communicate information on risks
  - Provide population health information to the public, community partners, and other health care providers
- Research, Knowledge Exchange, and Communication (Requirement 5)
  - Engage in knowledge exchange activities regarding factors that determine the health of the population

# Importance of this project

- Population Health Assessment and Surveillance Protocol - Reporting and Knowledge Exchange (Requirements 2 & 3)
  - Produce information products to communicate population health assessment and surveillance results
  - Distribute and/or make available population health assessment and surveillance information products as appropriate

# Importance of this project

- HKPR District Health Unit Strategic Plan (2019 – 2023)
  - Strategic objective – Partner
    - Provide surveillance, population health assessment and research to our company partners to improve health outcomes
  - Strategic objective – Deliver
    - Foster a culture of evidence-based public health practice
- Public Data Reporting
  - Through our experience with COVID-19 reporting, there was a notable increased public demand for local data.
    - Peak of 96,248 views of our COVID-19 dashboard in January 2021 (594,713 total in 2021).
  - User friendly and readily available data through our website.

# Why data dashboards?

- Enable presentation of multiple data points and indicators in a single visual.
  - Replace reports of tables and text with easy to interpret visuals.
  - Selectors can be used to focus on the user's specific interests or data needs.
- Easily see trends / differences by geography

# Benefits of dashboards

- Interact with visuals by switching between diseases and geographies by using the drop-down selectors.
  - Static graphs which would require many graphs to report a single indicator by geography and sex or age are replaced by a single visual that can be filtered in multiple ways.
- Improved internal processes for updating reports and making them publicly available.
  - Reduces support tasks
  - Updating is less onerous

# Previous Infectious Diseases Report



MONTHLY INFECTIOUS DISEASE AND REPORTABLE EVENTS INCIDENCE REPORT, June 2024

Enteric-Zoonotic-Vector Borne Diseases	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Cases	Current monthly rate † (June)			Year to date (YTD) rate † (Jan - June)		
														2024	Average (2019-2023)	IRR	2024	Average (2019-2023)	IRR
														Amebiasis	0	0	0	0	0
Anaplasmosis***	0	0	0	0	0	0							0	0.0	0.0	NA	0.0	0.0	NA
Babesiosis***	0	0	0	0	0	0							0	0.0	0.0	NA	0.0	0.0	NA
Blastomycosis	2	0	0	0	0	0							2	0.0	0.1	0.69	1.0	0.9	1.07
Botulism	0	0	0	0	0	0							0	0.0	0.0	NA	0.0	0.0	NA
Brucellosis	0	0	0	0	0	0							0	0.0	0.0	NA	0.0	0.0	NA
Campylobacter enteritis	0	3	2	0	0	4							9	2.0	2.9	0.69	4.5	9.4	0.48↓
Carbapenemase-producing enterobacteriaceae (CPE)	0	1	0	1	0	0							2	0.0	0.1	0.69	1.0	0.1	9.64
Cholera	0	0	0	0	0	0							0	0.0	0.0	NA	0.0	0.0	NA
Cryptosporidiosis	1	0	0	0	0	0							1	0.0	0.1	0.69	0.5	1.7	0.30
Cyclosporiasis	0	0	0	0	0	1							1	0.5	1.1	0.44	0.5	1.4	0.34
Echinococcus Multilocularis	0	0	0	0	0	0							0	0.0	0.0	NA	0.0	0.0	NA
Food poisoning, all causes	0	0	0	0	0	0							0	0.0	0.0	NA	0.0	0.1	0.69
Giardiasis	0	0	0	1	2	1							4	0.5	0.9	0.54	2.0	4.6	0.43
Hepatitis A	0	0	0	0	0	0							0	0.0	0.0	NA	0.0	0.1	0.69
Listeriosis	0	0	0	0	0	0							0	0.0	0.0	NA	0.0	0.0	NA
Lyme Disease	4	0	0	1	9	10							24	5.0	4.3	1.15	11.9	7.4	1.61
Paralytic shellfish poisoning (PSP)	0	0	0	0	0	0							0	0.0	0.0	NA	0.0	0.0	NA
Paratyphoid Fever	0	0	0	0	0	0							0	0.0	0.0	NA	0.0	0.0	NA
Powassan Virus***	0	0	0	0	0	0							0	0.0	0.0	NA	0.0	0.0	NA
Q Fever	0	0	0	0	0	0							0	0.0	0.0	NA	0.0	0.1	0.69
Rabies	0	0	0	0	0	0							0	0.0	0.0	NA	0.0	0.0	NA
Salmonellosis	4	3	1	2	3	1							14	0.5	0.3	1.61	7.0	5.7	1.23
Shigellosis	0	0	0	0	0	0							0	0.0	0.0	NA	0.0	0.3	0.44
Tularemia	0	0	0	0	0	0							0	0.0	0.0	NA	0.0	0.1	0.69
Typhoid Fever	0	0	0	0	0	0							0	0.0	0.0	NA	0.0	0.0	NA
Verotoxin producing E. coli	0	0	1	0	0	0							1	0.0	0.4	0.37	0.5	0.4	1.21
West Nile Virus	0	0	0	0	0	0							0	0.0	0.0	NA	0.0	0.0	NA
Yersiniosis	0	0	0	1	0	0							1	0.0	0.0	NA	0.5	0.4	1.21

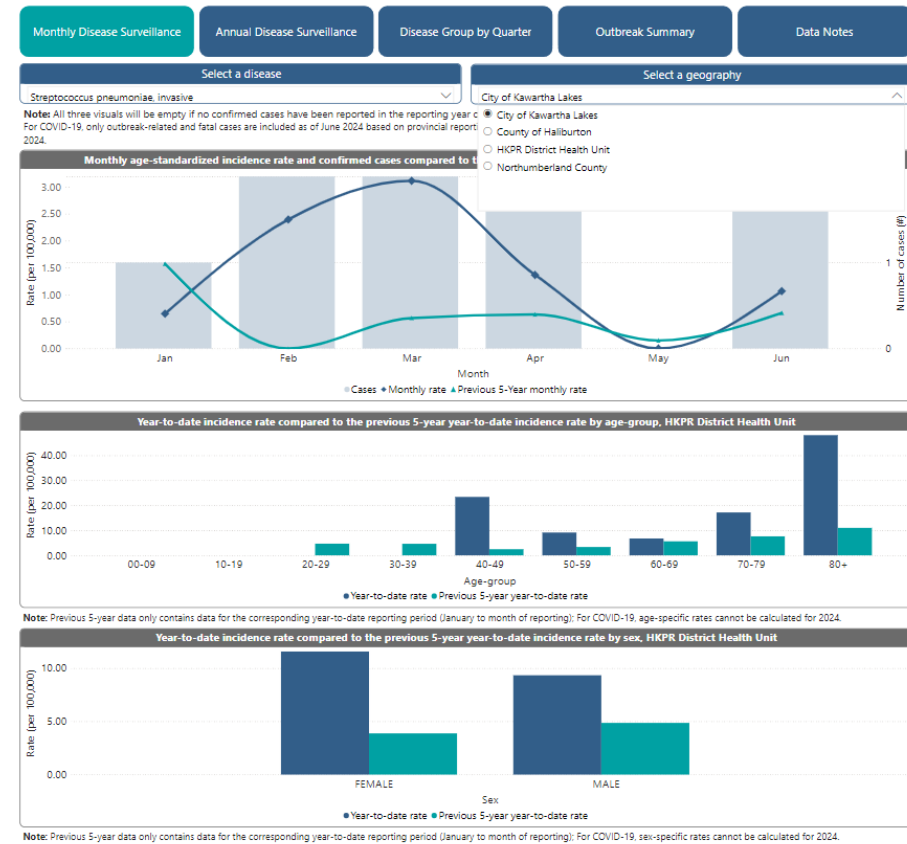


# New Infectious Diseases Dashboard

Monthly surveillance by disease, 2024, January to June



Monthly surveillance by disease, 2024, January to June



# Statistics Canada's Census Profile

Census Profile, 2021 Census of Population

## Profile table

Feedback Note: Gender Download

- ▶ Add a geography
- ▶ Add or remove data

Characteristic	Northumberland, County (CTY) <sup>1</sup> Ontario [Census division] <small>Remove</small>						Kawartha Lakes, Census division (CDR) <sup>1</sup> Ontario [Census division] <small>Remove</small>						Haliburton, County (CTY) <sup>1</sup> Ontario [Census division] <small>Remove</small>						Ontario <sup>1</sup> [Province] <small>Remove</small>					
	Counts			Rates			Counts			Rates			Counts			Rates			Counts			Rates		
	Total	Men +	Women +	Total	Men +	Women +	Total	Men +	Women +	Total	Men +	Women +	Total	Men +	Women +	Total	Men +	Women +	Total	Men +	Women +	Total	Men +	Women +
<b>Population and dwellings</b>																								
Population, 2021 <sup>1</sup>	89,365	...	...	...	...	...	79,247	...	...	...	...	...	20,571	...	...	...	...	...	14,223,942	...	...	...	...	...
Population, 2016 <sup>1</sup>	85,598	...	...	...	...	...	75,423	...	...	...	...	...	18,062	...	...	...	...	...	13,448,494	...	...	...	...	...
Population percentage change, 2016 to 2021	4.4	...	...	4.4	...	...	5.1	...	...	5.1	...	...	13.9	...	...	13.9	...	...	5.8	...	...	5.8	...	...
Total private dwellings <sup>2</sup>	40,638	...	...	...	...	...	38,947	...	...	...	...	...	21,072	...	...	...	...	...	5,929,250	...	...	...	...	...
Private dwellings occupied by usual residents <sup>3</sup>	37,328	...	...	...	...	...	32,708	...	...	...	...	...	9,714	...	...	...	...	...	5,491,201	...	...	...	...	...
Population density per square kilometre	46.9	...	...	46.9	...	...	26.1	...	...	26.1	...	...	5.1	...	...	5.1	...	...	15.9	...	...	15.9	...	...
Land area in square kilometres	1,907.40	...	...	...	...	...	3,033.66	...	...	...	...	...	4,009.47	...	...	...	...	...	892,411.76	...	...	...	...	...
<b>Age characteristics</b>																								
Total - Age groups of the population - 100% data	89,365	43,805	45,560	100.0	100.0	100.0	79,245	39,380	39,865	100.0	100.0	100.0	20,570	10,475	10,100	100.0	100.0	100.0	14,223,945	6,970,855	7,253,085	100.0	100.0	100.0

# Public Data Dashboards

- [Public Health Data | HKPR District Health Unit](#)
  - [Dashboard - Census Profile | HKPR District Health Unit](#)
  - [Dashboard - Chronic Disease | HKPR District Health Unit](#)
  - [Dashboard - Infectious Disease | HKPR District Health Unit](#)
  - [Dashboard - Injury Profile | HKPR District Health Unit](#)
  - [Dashboard - Mortality Profile | HKPR District Health Unit](#)

# Coming soon

- Revised Seasonal Respiratory Infection Dashboard (2024-2025)
- Revised Substance Use Dashboard (formerly Opioid Report)
- Mental Health Dashboard

