

Communicable Disease FAST FACTS

Disease	Hastings Prince Edward Public Health				Ontario	
	2018 Case Count	5 Year Average Case Count 2014-2018	2018 Standardized Rate	5 Year Average Standardized Rate 2014-2018	2018 Standardized Rate	5 Year Average Standardized Rate 2014-2018
Vaccine Preventable Diseases						
Adverse Events Following Immunization	10	8.0	5.0	4.6	N/A	Not available
Haemophilus Influenzae Disease, All Types, Invasive	3	1.2	1.9	0.8**	1.3	0.3
Influenza	121	86.8	54.0*	43.8*	122.3	90.9
Measles	0	0.0	0.0	0.0	0.1	0.1
Meningococcal Disease, Invasive	0	0.0	0.0	0.0	0.2	0.2
Mumps	1	0.2	0.7	0.1*	0.6	0.6
Pertussis (Whooping Cough)	0	7.2	0.0	5.1**	2.7	3.4
Streptococcus Pneumoniae, Invasive	13	16.0	6.5	8.1	8.5	7.7
Sexually Transmitted and Blood Borne Infections						
AIDS	0	0.2	0.0	0.2*	0.5	0.5
Chlamydia	513	443.6	371.6**	317.1**	330.0	293.8
Gonorrhoea	33	37.2	23.5*	26.6*	71.2	51.6
Group B Strep, Neonatal	0	0.2	0.0	0.1*	0.4	0.3
Hepatitis B	1	2.6	0.5	1.7**	0.6	0.7
Hepatitis C	68	62.2	40.9	40.2**	36.1	32.9
HIV	2	2.6	1.3*	1.9*	6.2	5.8
Syphilis, Infectious	2	2.8	1.5*	1.9*	13.2	9.9
Syphilis, Other	0	1.2	0.0	0.8*	6.2	5.1
Enteric Diseases						
Amebiasis	2	2.4	0.7*	1.5*	3.4	5.2
Campylobacter Enteritis	41	32.8	22.8	19.8*	23.4	24.7
Cryptosporidiosis	12	8.2	8.3**	5.8**	5.2	3.3
Cyclosporiasis	3	1.6	2.0	1.0*	1.9	1.8
Food Poisoning, All Causes	0	0.2	0.0	0.1*	0.4	0.4
Giardiasis	22	14.0	14.7**	8.9*	11.1	10.1
Hepatitis A	0	0.4	0.0	0.2*	1.5	0.9
Listeriosis	1	0.6	0.4	0.3*	0.5	0.5
Paratyphoid Fever	0	0.4	0.0	0.3**	0.2	0.2
Salmonellosis	32	32.0	19.4	20.0	18.2	20.6
Shigellosis	4	2.4	2.9	1.7*	2.3	2.2
Typhoid Fever	0	0.0	0.0	0.0	0.7	0.6
VTEC (E. Coli)	7	2.6	4.4**	1.7**	1.4	1.2
Yersiniosis	1	2.6	0.3*	1.3*	2.1	1.7
Communicable Diseases - Other						
Carbapenemase-Producing Enterobacteriaceae (CPE)	3	Not available	1.6	Not available	1.3	Not available
Encephalitis	0	0.2	0.0	0.1*	0.5	0.4
Encephalitis/Meningitis	3	2.8	2.0	1.7*	1.8	2.2
Group A Strep, Invasive	20	10.2	11.4**	5.8	7.7	5.7
Legionellosis	3	1.0	1.3*	0.5*	2.3	1.3
Lyme Disease	30	29.2	17.8**	16.9**	4.3	3.9
Meningitis	2	0.8	1.0*	0.5*	2.3	2.1
Tuberculosis, Active	0	0.4	0.0	0.3*	4.8	4.6
Tuberculosis, Latent	77	42.8	54.5	29.9	N/A	Not available
West Nile Virus Illness	0	0.2	0.0	0.1*	0.9	0.5

Notes. Rates are per 100,000 population

* indicates HPEPH rate is significantly lower than Ontario rate

** indicates HPEPH rate is significantly higher than Ontario rate

Technical Notes

Introduction

This page provides details on the steps taken to create the Communicable Diseases Fast Facts report for Hastings and Prince Edward Public Health. Any questions, comments, or requests for further information pertaining to this document may be directed to: **Communicable Disease Intake Line**

Hastings Prince Edward Public Health
179 North Park Street,
Belleville, ON, K8P 4P1
1-(613)-966-5500 ext. 349

The data presented are preliminary and subject to change due to the regular updates in case identification and confirmation, or the ongoing efforts to improve data quality. This report represents the most current case counts in Hastings and Prince Edward Counties and replace all previously reported statistics.

Data Sources

Infectious Disease (ID) Query, Public Health Ontario and Integrated Public Health Information System (IPHIS).
Data extracted July 17, 2019.

Case Definitions and Data Caveats

Cases are defined based on the provincial [surveillance case definitions](#) from the Ministry of Health and Long-Term Care at the time a case is identified. Changes to provincial surveillance case definitions have occurred over the years and cases reported from prior years may have been classified according to different case definitions or disease classifications which may impact analysis of trends.

Cases are reported based on 'episode date', with the exception of HIV, AIDS, CPE, and tuberculosis. The episode date is an estimate of the onset date of disease for a case. In order to determine this date, the following hierarchy is in place in IPHIS: Onset Date > Specimen Collection Date > Lab Test Date > Reported Date. If an onset date exists it will be used as the episode date. If not available, then the next available date in the hierarchy will be used. Cases are assigned to Public Health Units based on the Diagnosing Public Health Unit field in IPHIS.

The data only represent cases reported to Public Health Units and recorded in IPHIS. As a result, all counts will be subject to varying degrees of underreporting due to a variety of factors, such as disease awareness and medical care seeking behaviours which may depend on severity of illness, clinical practice, changes in laboratory testing, and reporting behaviours.

Data Retrieval and Presentation

Cases were retrieved using the previously described data sources and definitions. Case counts are created by grouping cases by age group, sex, and year of episode. Raw rates were calculated using case counts divided by population estimates. If population estimates were not available for the year in question, population projections were used. Standardized rates were calculated using direct standardization to age-standardized the raw rates to the 2011 Canadian population. The significance of HPEPH rates compared to Ontario rates were determined using chi-square tests with an [improved normal approximation](#) adjusted for the total number of observed events.

**For more information or if you require this report in an accessible format, please contact
Hastings Prince Edward Public Health at 613-966-5500 or 1-800-267-2803.**