Public Health Ontario | Santé publique Ontario

SURVEILLANCE REPORT

Monthly Infectious Diseases Surveillance Report (October 2017)

Reportable disease cases by month in Ontario, 2017

Table 1. Confirmed cases of reportable diseases, and probable cases of select reportable diseases, by month: Ontario, 2017

Reportable disease	2017 Case counts by month												2017 Year-to-month (August)		2012-2016 avg Year-to-month (August)	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Count	Rate ŧ	Count	Rate ŧ
Acute Flaccid Paralysis	1	1	0	1	0	0	0	0					3	0.2	n/a	n/a
AIDS	3	2	5	9	4	3	4	5					35	2.5	52.6	3.8
Amebiasis	85	56	66	63	62	68	67	56					523	37.0	573.4	41.9
Botulism	0	0	0	0	0	0	0	0					0	0.0	1.6	0.1
Brucellosis	1	0	0	0	0	0	0	0					1	0.1	4.6	0.3
Campylobacter enteritis	189	181	201	231	269	334	520	451					2376	168.1	2427.4	177.5
Chlamydial Infections	3925	3284	3820	3426	3687	3518	3672	4001					29333	2075.9	24866.8	1818.0
Cholera	0	0	0	2	0	0	2	0					4	0.3	0.2	0.0
Cryptosporidiosis	23	17	25	21	15	24	46	63					234	16.6	242.8	17.8
Cyclosporiasis	3	0	6	4	59	124	76	13					285	20.2	149.4	10.9
Encephalitis	6	0	1	3	1	2	2	3					18	1.3	17.8	1.3
Encephalitis/Meningitis	12	6	13	16	7	23	28	33					138	9.8	105.4	7.7
Food Poisoning, All Causes	15	17	9	1	8	0	0	1					51	3.6	54.6	4.0
Giardiasis	111	79	84	82	88	96	133	128					801	56.7	873.6	63.9
Gonorrhoea (All Types)	559	443	559	507	572	660	731	725					4756	336.6	3545.2	259.2
Group A Streptococcal Disease, Invasive	97	85	103	80	75	65	69	59					633	44.8	456.4	33.4
Group B Streptococcal Disease, Neonatal	6	3	3	5	4	5	3	7					36	2.5	32.8	2.4
Haemophilus Influenzae B Disease, Invasive	2	0	1	0	0	0	0	0					3	0.2	4.0	0.3
Hepatitis A	6	2	12	6	5	9	10	11					61	4.3	62.8	4.6

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Hepatitis B (Acute)	12	16	8	8	4	9	6	10					73	5.2	69.2	5.1
Hepatitis B (Chronic)	151	111	143	119	137	123	113	104					1001	70.8	n/a	n/a
Hepatitis C	426	347	399	326	379	361	355	355					2948	208.6	2878.4	210.4
HIV	64	58	71	68	60	83	72	70					546	38.6	507.8	37.1
Influenza	4596	2561	1573	805	295	52	19	22					9923	702.3	7653.0	559.5
Legionellosis	8	11	3	12	9	14	37	31					125	8.8	107.2	7.8
Leprosy	0	0	0	0	0	0	0	0					0	0.0	3.0	0.2
Listeriosis	4	0	2	3	6	3	2	8					28	2.0	42.2	3.1
Lyme Disease	3	2	5	5	32	164	271	126					608	43.0	249.0	18.2
Malaria	20	8	14	12	27	18	22	29					150	10.6	136.4	10.0
Measles	0	0	6	0	0	0	0	1					7	0.5	#	#
Meningitis	11	13	5	6	16	23	28	20					122	8.6	92.0	6.7
Meningococcal Disease, Invasive	4	3	5	0	3	3	4	2					24	1.7	18.0	1.3
Mumps	9	41	65	20	17	4	4	21					181	12.8	18.2	1.3
Ophthalmia neonatorum	0	0	0	0	0	0	1	1					2	0.1	2.0	0.1
Paralytic Shellfish Poisoning	0	0	0	0	0	0	0	0					0	0.0	n/a	n/a
Paratyphoid Fever	2	2	6	5	4	0	0	3					22	1.6	27.6	2.0
Pertussis (Whooping Cough)	40	23	29	34	25	54	56	71					332	23.5	390.8	28.6
Q Fever	0	0	0	0	3	0	1	2					6	0.4	10.2	0.7
Rabies	0	0	0	0	0	0	0	0					0	0.0	0.2	0.0
Rubella	0	0	0	0	0	0	0	0					0	0.0	#	#
Rubella, Congenital Syndrome	0	0	0	0	0	0	0	0					0	0.0	#	#
Salmonellosis	189	199	244	250	235	233	295	258					1903	134.7	2043.8	149.4
Shigellosis	23	11	33	18	15	17	29	22					168	11.9	196.0	14.3
Streptococcus Pneumoniae, Invasive	127	90	121	115	104	47	47	45					696	49.3	698.2	51.0
Syphilis, Early Congenital	0	1	0	0	0	0	0	0					1	0.1	1.2	0.1
Syphilis, Infectious	148	112	107	98	107	103	127	113					915	64.8	656.6	48.0
Syphilis, Other	52	54	80	60	51	75	46	34					452	32.0	440.6	32.2
Tetanus	0	0	0	0	0	0	0	2					2	0.1	1.6	0.1

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Tuberculosis	47	46	74	42	70	63	51	42					435	30.8	417.4	30.5
Tularemia	0	0	0	0	1	0	0	0					1	0.1	0.2	0.0
Typhoid Fever	9	8	14	14	7	1	5	5					63	4.5	47.8	3.5
Verotoxin Producing E. coli Including HUS	5	8	10	4	12	6	16	21					82	5.8	118.2	8.6
West Nile Virus Illness	0	0	0	0	0	2	18	86					106	7.5	60.0	4.4
Yellow Fever	0	0	0	0	0	0	0	0					0	0.0	1.2	0.1
Yersiniosis	16	16	38	29	23	26	38	23					209	14.8	144.0	10.5

ŧ Rates are for cases per 1,000,000 population.

n/a Acute Flaccid Paralysis and Paralytic Shellfish Poisoning became reportable in Ontario in December 2013, and Hepatitis B (Chronic) became reportable in Ontario in December 2014; therefore, five-year historical data are not yet available for comparisons (n/a).

Historical comparison data are not provided for measles, rubella, and congenital rubella syndrome because these diseases have been eliminated in Canada. However, as these diseases remain endemic in other countries, imported and import-related cases continue to occur in Ontario.

Ontario Cases: Ontario Ministry of Health and Long-Term Care, integrated Public Health Information System (iPHIS) database, extracted by Public Health Ontario [2017/10/11].
Ontario Population: Population Projections [2016-2017] and Estimates [2012-2015], Ontario Ministry of Health and Long-Term Care, IntelliHEALTH Ontario, Date Extracted: [2016/09/02].

Data notes and caveats

- iPHIS is a dynamic reporting system which allows ongoing updates to data previously entered. As a result, data extracted from iPHIS represent a snap shot at the time of extraction and may differ from previous or subsequent reports. The data only represent cases reported to public health and recorded in iPHIS, that meet the Ontario Ministry of Health and Long-Term Care's confirmed and/or probable surveillance case definitions in place at the time that the case was reported. The potential for underreporting and unresolved duplicates exists.
- Case counts for amebiasis, Lyme disease, mumps, pertussis, and West Nile Virus illness are based on the sum of confirmed and probable cases as reported in iPHIS. All other diseases reported in the table are based on confirmed cases only.
- Chronic and acute hepatitis B case counts are not mutually exclusive and should not be added to obtain a total for hepatitis B cases in Ontario.
- A case is reported as encephalitis and/or meningitis when an agent is not specifically identified through laboratory testing or is not reportable.
- Table 1 is not an exhaustive list of all reportable diseases in Ontario. Historical annual counts and rates for most reportable diseases are available in the Reportable Disease Trends in Ontario reports. The following reportable diseases/outbreaks are omitted from the table:
    - Counts of Creutzfeldt-Jakob disease, which are not updated frequently enough for monthly publication as a result of an additional data reconciliation step that is required.
    - Diseases that are extremely rare or have zero incidence in recent years: anthrax, chancroid, diphtheria, hantavirus pulmonary syndrome, hemorrhagic fevers and Lassa fever, plague, acute poliomyelitis, psittacosis/ornithosis, severe acute respiratory syndrome (SARS), smallpox, and trichinosis.
    - Diseases that are only reportable in outbreak situations or as a combination of individual and aggregate counts: chickenpox (varicella), *Clostridium difficile* infection (CDI) outbreaks in public hospitals, and institutional outbreaks of gastroenteritis and respiratory infections.
- Detailed reporting on institutional outbreaks of respiratory infections is available in the Ontario Respiratory Pathogen Bulletin.
- Information on CDI outbreaks in public hospitals is available in the Reportable Disease Trends in Ontario reports.
- Cases that do not reside in Ontario or for whom the Disposition Status was reported as entered in error, does not meet definition, or as a duplicate record have been excluded.
- Case counts for tuberculosis and AIDS are based on diagnosis date, HIV case counts are based on encounter date, congenital rubella syndrome cases are based on the date of birth, and case counts for all other diseases are based on episode date. 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.