Public Health Ontario | Santé publique Ontario

SURVEILLANCE REPORT

Monthly Infectious Diseases Surveillance Report (November 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 (September)		2012-2016 avg Year-to-month (September)	
	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	0				3	0.2	n/a	n/a
AIDS	3	2	5	9	4	3	5	5	4				40	2.8	58.8	4.3
Amebiasis	85	56	66	63	64	69	69	57	38				567	40.1	633.6	46.3
Botulism	0	0	0	0	0	0	0	0	0				0	0.0	1.8	0.1
Brucellosis	1	0	0	0	0	0	0	0	2				3	0.2	5.0	0.4
Campylobacter enteritis	189	181	201	231	269	336	521	458	341				2727	193.0	2826.0	206.6
Chlamydial Infections	3925	3285	3820	3426	3688	3522	3678	4020	3836				33200	2349.6	28183.8	2060.5
Cholera	0	0	0	2	0	0	2	0	0				4	0.3	0.2	0.0
Cryptosporidiosis	23	17	25	22	15	24	46	65	53				290	20.5	296.4	21.7
Cyclosporiasis	3	0	6	5	59	124	77	13	3				290	20.5	158.2	11.6
Encephalitis	6	0	1	3	1	2	2	3	4				22	1.6	20.6	1.5
Encephalitis/Meningitis	12	6	13	17	7	22	29	34	18				158	11.2	125.4	9.2
Food Poisoning, All Causes	15	17	9	1	8	0	0	1	3				54	3.8	58.4	4.3
Giardiasis	112	79	84	83	89	98	137	136	145				963	68.2	1022.6	74.8
Gonorrhoea (All Types)	559	443	560	506	572	661	732	725	790				5548	392.6	4043.0	295.6
Group A Streptococcal Disease, Invasive	97	85	103	80	75	66	71	61	53				691	48.9	492.4	36.0
Group B Streptococcal Disease, Neonatal	6	3	3	5	4	5	4	7	3				40	2.8	37.4	2.7
Haemophilus Influenzae B Disease, Invasive	2	0	1	0	0	0	0	0	1				4	0.3	4.4	0.3
Hepatitis A	6	2	12	6	5	9	10	11	13				74	5.2	74.2	5.4

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Hepatitis B (Acute)	12	16	8	8	4	8	6	10	4				76	5.4	75.0	5.5
Hepatitis B (Chronic)	153	113	146	126	142	127	123	113	79				1122	79.4	n/a	n/a
Hepatitis C	426	347	398	330	383	367	361	359	360				3331	235.7	3231.2	236.2
HIV	64	59	71	68	60	84	72	72	78				628	44.4	572.8	41.9
Influenza	4596	2561	1573	805	295	52	19	22	47				9970	705.6	7673.2	561.0
Legionellosis	8	11	3	12	9	14	37	32	23				149	10.5	132.0	9.7
Leprosy	0	0	0	0	0	0	0	0	0				0	0.0	3.0	0.2
Listeriosis	4	0	2	3	6	3	2	8	3				31	2.2	48.6	3.6
Lyme Disease	3	2	5	5	33	170	309	147	34				708	50.1	273.6	20.0
Malaria	20	8	14	12	27	19	23	29	23				175	12.4	159.6	11.7
Measles	0	0	6	0	0	0	0	1	0				7	0.5	#	#
Meningitis	11	13	5	6	16	24	28	21	15				139	9.8	110.8	8.1
Meningococcal Disease, Invasive	4	3	5	0	3	3	4	2	3				27	1.9	21.6	1.6
Mumps	9	41	65	20	17	4	4	21	35				216	15.3	19.4	1.4
Ophthalmia neonatorum	0	0	0	0	0	0	1	1	0				2	0.1	2.2	0.2
Paralytic Shellfish Poisoning	0	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	4				26	1.8	30.6	2.2
Pertussis (Whooping Cough)	40	23	29	34	25	54	57	75	41				378	26.8	434.2	31.7
Q Fever	0	0	0	0	3	0	1	1	1				6	0.4	11.6	0.8
Rabies	0	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	0.0	#	#
Rubella, Congenital Syndrome	0	0	0	0	0	0	0	0	0				0	0.0	#	#
Salmonellosis	190	200	243	250	236	234	300	268	244				2165	153.2	2326.0	170.1
Shigellosis	23	11	33	18	15	17	29	22	27				195	13.8	218.2	16.0
Streptococcus Pneumoniae, Invasive	127	90	121	115	104	47	47	48	64				763	54.0	759.0	55.5
Syphilis, Early Congenital	0	1	0	0	0	0	0	0	0				1	0.1	1.2	0.1
Syphilis, Infectious	151	113	109	98	110	105	137	126	84				1033	73.1	744.4	54.4
Syphilis, Other	54	55	79	61	54	75	48	41	52				519	36.7	491.8	36.0
Tetanus	0	0	0	0	0	0	0	3	0				3	0.2	1.8	0.1

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Tuberculosis	47	46	75	42	71	65	51	43	55				495	35.0	471.0	34.4
Tularemia	0	0	0	0	1	0	0	0	0				1	0.1	0.2	0.0
Typhoid Fever	9	8	14	14	7	1	5	6	13				77	5.4	54.0	3.9
Verotoxin Producing E. coli Including HUS	5	8	10	4	13	6	16	24	12				98	6.9	138.0	10.1
West Nile Virus Illness	0	0	0	0	0	2	19	88	43				152	10.8	83.2	6.1
Yellow Fever	0	0	0	0	0	0	0	0	0				0	0.0	1.2	0.1
Yersiniosis	16	16	38	29	23	27	38	24	19				230	16.3	159.6	11.7

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 [2017/11/08].
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.