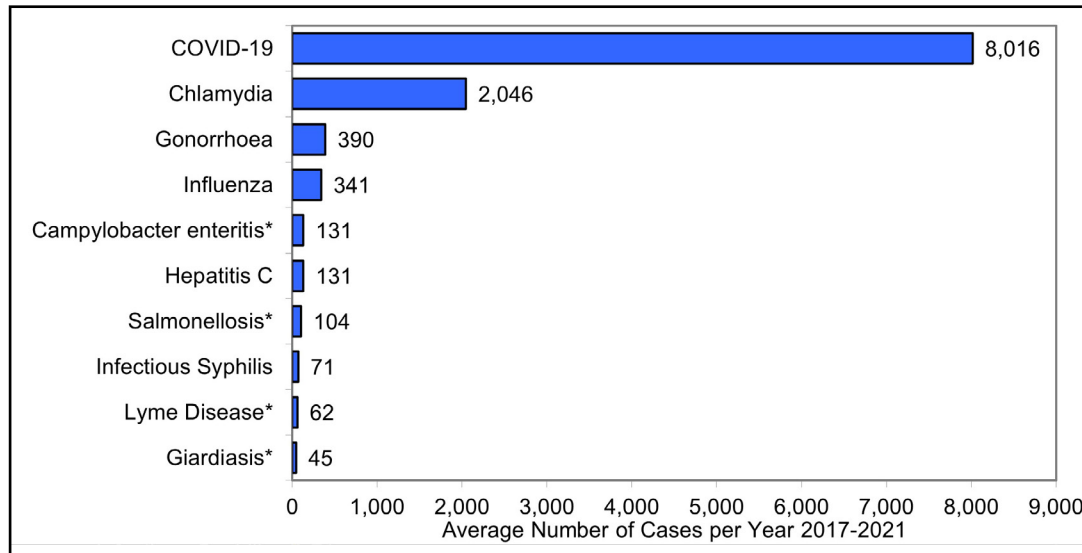


Infectious diseases of public health significance are reportable to the Medical Officer of Health (Ontario Reg 135/18) under the Health Protection and Promotion Act.

### Most common infectious diseases of public health significance



COVID-19 was the most commonly reported infectious disease in Durham Region between 2017 and 2021 despite only emerging in 2020. Counts of other infectious diseases in this time frame may also have been impacted by the COVID-19 pandemic due to changes in the availability of health care and health seeking behaviour in 2020 and 2021.

### Number of confirmed cases of selected diseases of public health significance

Reportable Disease	2017	2018	2019	2020	2021	2017 to 2020 Average	2021 Compared to Average
Amebiasis *	23	9	9	9	5	12.5	Similar
Blastomycosis	-	8	3	3	3	-	-
Campylobacter enteritis *	163	149	157	82	102	137.8	Similar
Carbapenemase-prod enterobacteriaceae (CPE)	-	8	8	11	16	-	-
<b>Chickenpox (Varicella)</b>	6	10	4	13	19	8.3	<b>HIGHER</b>
<b>Chlamydial infections</b>	2,105	2,292	2,464	1,820	1,547	2170.3	<b>LOWER</b>
COVID-19	-	-	-	8,280	31,802	-	-
Cryptosporidiosis *	5	18	20	9	19	13.0	Similar
Cyclosporiasis *	18	15	12	6	7	12.8	Similar
Encephalitis/meningitis *	2	0	7	6	9	3.8	Similar
Food poisoning, all causes *	0	6	2	0	1	2.0	Similar
Giardiasis *	51	61	45	38	32	48.8	Similar
Gonorrhoea	310	368	500	404	367	395.5	Similar
Group A streptococcal Disease, invasive	25	28	39	28	24	30.0	Similar
Group B streptococcal disease, neonatal	3	2	1	3	0	2.3	Similar
Haemophilus influenzae disease, all types, invasive **	0	9	16	7	3	8.0	Similar
Hepatitis A *	6	5	6	2	1	4.8	Similar
Hepatitis B (acute)	5	6	0	5	5	4.0	Similar
<b>Hepatitis B (chronic)</b>	53	46	57	43	27	49.8	<b>LOWER</b>
Hepatitis C	152	164	140	91	106	136.8	Similar
HIV/AIDS	16	19	1	0	1	9.0	Similar
<b>Influenza</b>	379	497	459	366	5	425.3	<b>LOWER</b>
Legionellosis *	14	28	24	32	30	24.5	Similar
Listeriosis	0	0	5	3	1	2.0	Similar
<b>Lyme disease *</b>	52	34	66	52	105	51.0	<b>HIGHER</b>
Meningitis	25	11	15	2	3	13.3	Similar
Meningococcal disease, invasive *	1	5	4	1	0	2.8	Similar
Mumps *	4	0	1	2	0	1.8	Similar
Paratyphoid fever	1	1	4	1	1	1.8	Similar
Pertussis (whooping cough) *	13	4	8	2	0	6.8	Similar
Salmonellosis *	141	125	123	68	63	114.3	Similar
Shigellosis *	8	4	12	7	3	7.8	Similar
Streptococcus pneumoniae, invasive *	44	50	50	21	24	41.3	Similar
Syphilis, infectious	63	60	60	89	85	68.0	Similar
<b>Syphilis, non-infectious</b>	43	36	35	34	61	37.0	<b>HIGHER</b>
Tuberculosis	13	21	25	11	17	17.5	Similar
Typhoid Fever	4	3	5	3	2	3.8	Similar
Verotoxin producing E. coli including haemolytic uraemic syndrome *	1	9	7	10	7	6.8	Similar
West Nile virus illness *	3	5	1	13	2	5.5	Similar
<b>Yersiniosis *</b>	8	15	18	11	4	13.0	<b>LOWER</b>

**HIGHER** indicates higher than expected compared to 4-year average (2017-2020) plus two standard deviations;  
**LOWER** indicates lower than expected compared to 4-year average minus two standard deviations.

Reportable diseases with less than 5 cases reported in Durham Region between 2017 and 2021 include:

- Acute Flaccid Paralysis (AFP)
- Brucellosis
- Creutzfeldt-Jakob Disease
- Q Fever

Reportable diseases with no cases reported in Durham Region between 2017 and 2021 include:

- Botulism
- Chancroid
- Cholera
- Diphtheria
- Encephalitis
- Hantavirus pulmonary syndrome
- Hemorrhagic fevers including Ebola virus disease, Marburg virus disease, Lassa fever, and other viral causes
- Leprosy
- Measles
- Paralytic Shellfish Poisoning (PSP)
- Plague
- Poliomyelitis, acute
- Psittacosis/ornithosis
- Human rabies
- Rubella and congenital rubella
- Severe Acute Respiratory Syndrome (SARS)
- Smallpox and other orthopoxviruses including monkeypox
- Tetanus
- Trichinosis
- Tularemia

\*We included probable cases along with confirmed cases for these diseases to be consistent with other reporting.

\*\* Prior to May 1, 2018 only Haemophilus influenzae disease caused by serotype b was reportable and now all serotypes are reportable.

Data Source: Ontario Ministry of Health, integrated Public Health Information System (iPHIS) database, 2017 to 2021.

To see Durham compared to Ontario and other public health units go to [Infectious Disease Trends in Ontario](#)