Infectious Diseases in Durham Region 2019-2023

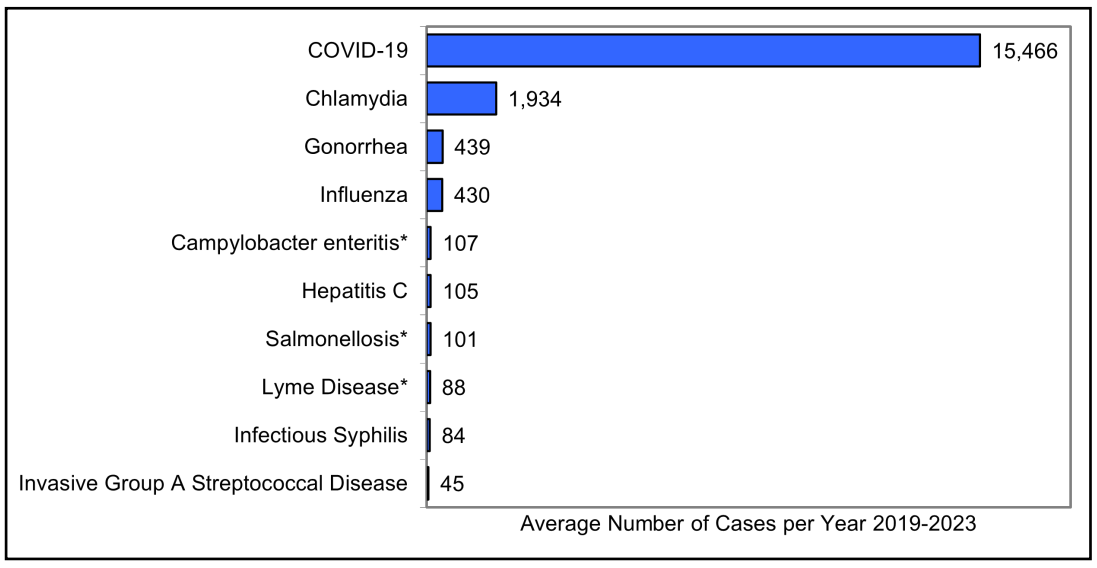
DURHAM REGION HEALTH DEPARTMENT

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.

Top Ten

Number of Cases

Most common infectious diseases of public health significance



COVID-19 was the most commonly reported infectious disease in Durham Region between 2019 and 2023 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

Disease	2019	2020	2021	2022	2023	2019 to 2022 Average	2023 Compared to Average
Amebiasis *	9	9	6	14	6	9.5	Similar
Blastomycosis	3	3	4	4	4	3.5	-
Campylobacter enteritis *	157	82	102	87	106	107.0	Similar
Carbapenemase-producing *enterobacteriaceae* (CPE) infection or colonization	8	11	14	19	25	13.0	**HIGHER**
Chickenpox (Varicella)	4	13	19	6	10	10.5	Similar
Chlamydial infections	2,464	1,821	1,547	1,806	2,032	1909.5	Similar
COVID-19	-	8,283	31,808	31,565	5,674	-	-
Cryptosporidiosis *	20	9	19	17	13	16.3	Similar
Cyclosporiasis *	12	6	7	24	100	12.3	**HIGHER**
Encephalitis/meningitis *	7	6	9	6	4	7.0	Similar
Food poisoning, all causes *	2	0	1	9	0	3.0	Similar
Giardiasis *	45	38	32	33	33	37.0	Similar
Gonorrhea	500	404	368	403	520	418.8	**HIGHER**
Group A streptococcal disease, invasive	39	28	24	28	107	29.8	**HIGHER**
Group B streptococcal disease, neonatal	1	3	0	2	1	1.5	Similar
Haemophilus influenzae disease, all types, invasive	16	7	3	10	13	9.0	Similar
Hepatitis A *	6	2	1	0	4	2.3	Similar
Hepatitis B (acute)	0	5	5	9	13	4.8	**HIGHER**
Hepatitis B (chronic)	58	43	27	34	54	40.5	Similar
Hepatitis C	140	94	107	88	98	107.3	Similar
HIV/AIDS	23	13	16	30	50	20.5	**HIGHER**
Influenza	459	366	5	780	540	402.5	Similar
Legionellosis *	24	32	30	29	25	28.8	Similar
Listeriosis	5	3	1	1	2	2.5	Similar
Lyme disease *	66	53	108	96	116	80.8	Similar
Meningitis	15	2	3	4	14	6.0	Similar
Meningococcal disease, invasive *	4	1	0	1	3	1.5	Similar
Mpox	-	-	-	10	1	-	-
Paratyphoid fever	4	1	1	0	3	1.5	Similar
Pertussis (whooping cough) *	8	2	0	1	0	2.8	Similar
Salmonellosis *	123	68	63	101	152	88.8	**HIGHER**
Shigellosis *	12	7	3	8	11	7.5	Similar
***Streptococcus pneumoniae*, invasive ***	50	21	24	49	78	36.0	**HIGHER**
Syphilis, infectious	60	90	87	84	99	80.3	Similar
Syphilis, non-infectious	35	36	60	88	92	54.8	Similar
Tuberculosis	25	11	17	23	32	19.0	**HIGHER**
Typhoid Fever	5	3	2	4	8	3.5	**HIGHER**
Verotoxin producing *E. coli* including haemolytic uraemic syndrome *	7	10	7	6	4	7.5	Similar
West Nile virus illness *	1	13	2	3	2	4.8	Similar
Yersiniosis *	18	11	4	10	6	10.8	Similar

HIGHER indicates higher than expected compared to 4-year average (2019-2022) 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 2019 and 2023 include:

- Babesiosis
- Botulism
- Brucellosis
- Creutzfeldt-Jakob Disease
- Encephalitis
- Mumps
- Q Fever

Reportable diseases with no cases reported in Durham Region between 2019 and 2023 include:

Acute Flaccid Paralysis (AFP)

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

*We included probable cases along with confirmed cases for these diseases to be consistent with other reporting.
Data Source: Ontario Ministry of Health, integrated Public Health Information System (iPHIS) database, 2019 to 2023.
To see Durham compared to Ontario and other public health units go to **Infectious Disease Trends in Ontario**

DURHAM REGION HEALTH DEPARTMENT

Durham Health Connection Line
905-668-2020 or 1-800-841-2729
durham.ca/health

If you require this information in an accessible format, contact 1-800-841-2729.

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