

Number of reported communicable diseases\* and incidence rates †.

Vancouver Coastal Health Authority, 2016 compared to 2011-2015 historical average

Disease		2016		2011-2015 average	
		Number of cases	Rate per 100,000 population	Number of cases	Rate per 100,000 population
Vaccine Preventable Diseases	Diphtheria: Acute	0	0.0	0	0.0
	<i>Haemophilus influenzae</i> Type B, invasive	0	0.0	2	0.2
	<i>Haemophilus influenzae</i> non-Type B, invasive	0	0.0	2	0.2
	<i>Haemophilus influenzae</i> non-Typable, invasive	9	0.8	10	0.9
	Hepatitis B: Acute	3	0.3	6	0.5
	Hepatitis B: Chronic carrier	567	48.5	647	57.1
	Hepatitis B: Undetermined status ‡	2	0.2	15	1.4
	Influenza	1,201	102.8	533	47.0
	Measles	3	0.3	6	0.6
	Mumps	86	7.4	32	2.8
	Pertussis	149	12.8	88	7.8
	Rubella	1	<0.1	<1	<0.1
	Rubella congenital syndrome	0	0.0	0	0.0
Sexually Transmitted & Bloodborne	Chlamydia	5,047	432.1	4,090	361.2
	Cytomegalovirus infection, congenital	5	0.4	<1	<0.1
	Gonorrhoea	1,402	120.0	936	82.7
	Hepatitis C: Acute	56	4.8	36	3.2
	Hepatitis C: Chronic	476	40.8	432	38.2
	Hepatitis D	0	0.0	3	0.2
	HIV	127	10.9	146	12.9
	Syphilis, infectious	459	39.3	353	31.2
	Syphilis, other	211	18.1	108	9.5
Direct Contact & Respiratory	Creutzfeldt-Jacob disease	0	0.0	<1	<0.1
	Legionellosis	1	<0.1	<1	<0.1
	Leprosy	0	0.0	0	0.0
	Meningococcal, invasive	4	0.3	6	0.5
	Meningococcal, conjunctivitis	0	0.0	0	0.0
	Meningococcal, other, non-invasive	1	<0.1	<1	<0.1
	Streptococcal, Gp A invasive	114	9.8	47	4.2
	Streptococcal, Gp B neonatal	3	0.3	2	0.1
	Pneumococcal, invasive	114	9.8	88	7.8
	Tuberculosis	84	7.2	104	9.2

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Disease		2016		2011-2015 average	
		Number of cases	Rate per 100,000 population	Number of cases	Rate per 100,000 population
Enteric, Food & Waterborne	Amebiasis	200	17.1	197	17.4
	Botulism	0	0.0	<1	<0.1
	Campylobacteriosis	531	45.5	569	50.2
	Cholera	0	0.0	<1	<0.1
	Cryptococcus	2	0.2	7	0.6
	Cryptosporidiosis	25	2.1	22	2.0
	Cyclosporiasis	21	1.8	13	1.1
	<i>E.coli</i> - verotoxigenic	33	2.8	30	2.6
	Giardiasis	186	15.9	209	18.5
	Haemolytic Uremic Syndrome (HUS)	0	0.0	<1	<0.1
	Hepatitis A	3	0.3	9	0.8
	Hepatitis E	1	<0.1	1	0.1
	Listeriosis	14	1.2	5	0.5
	Paratyphoid Fever	4	0.3	3	0.3
	Salmonellosis <sup>‡</sup>	299	25.6	275	24.3
	Shigellosis	72	6.2	73	6.4
	Typhoid Fever	6	0.5	3	0.3
	<i>Vibrio parahaemolyticus</i>	16	1.4	27	2.4
	Yersiniosis	289	24.7	233	20.6
Vectorborne & Zoonotic	Brucellosis	0	0.0	<1	<0.1
	Dengue Fever	20	1.7	4	0.4
	Hantavirus	0	0.0	<1	<0.1
	Leptospirosis	4	0.3	<1	<0.1
	Lyme Disease	9	0.8	6	0.5
	Malaria	11	0.9	12	1.1
	Rabies	0	0.0	0	0.0
	Rickettsial disease	0	0.0	<1	<0.1
	West Nile virus	1	<0.1	<1	<0.1
	Yellow Fever	0	0.0	0	0.0
	Zika virus	11	0.9	<1	<0.1

Prepared by: Vancouver Coastal Health, Public Health Surveillance Unit, March 2017.

Data sources:

1. Sexually transmitted and bloodborne disease data, with the exception of Hepatitis C, are provided by the BC Centre for Disease Control (BCCDC), extracted on January 28, 2017.
2. Other disease data are provided by Vancouver Coastal Health, Public Health Surveillance Unit from the Primary Access Regional Information System (PARIS) and the integrated Public Health Information System (iPHIS) for Coastal Urban prior to January 11, 2011 and Coastal Rural prior to March 9, 2011. Data extracted on March 27, 2017.

Population source: BC STATS, BC Ministry of Labour and Citizens' Services, Population Estimates as of March 2017.

Notes:

\*Communicable diseases without reported activity from 2011 to 2016 not included in this table are: anthrax, chancroid, diffuse lamellar keratitis, hemorrhagic fevers, paralytic shellfish poisoning (PSP), plague, poliomyelitis, Q fever, reye syndrome, severe acute respiratory syndrome (SARS), smallpox, tetanus and tularemia.

†Rate per 100,000 population.

‡This category captures cases with positive HBV markers with insufficient evidence to be classified; these are most likely carriers.

§Salmonellosis case counts do not include Paratyphoid Fever (*Salmonella paratyphi*) and Typhoid Fever (*Salmonella typhi*).

Note: Case counts may change over time due to lag in reporting or change in episode date.

Number of reported communicable diseases\* and incidence rates<sup>†</sup> by HSDA.  
Vancouver Coastal Health Authority, 2016.

Disease	Number of cases				Rate per 100,000 population				
	Coastal Rural	Coastal Urban	Richmond	Vancouver	Coastal Rural	Coastal Urban	Richmond	Vancouver	
Vaccine Preventable Diseases	Diphtheria: Acute	0	0	0	0	0.0	0.0	0.0	0.0
	<i>Haemophilus influenzae</i> Type B, invasive	0	0	0	0	0.0	0.0	0.0	0.0
	<i>Haemophilus influenzae</i> non-Type B, invasive	0	0	0	0	0.0	0.0	0.0	0.0
	<i>Haemophilus influenzae</i> non-Typable, invasive	0	1	1	7	0.0	0.5	0.5	1.0
	Hepatitis B: Acute	0	0	0	3	0.0	0.0	0.0	0.4
	Hepatitis B: Chronic carrier	5	48	154	360	5.5	25.0	72.2	53.5
	Hepatitis B: Undetermined status <sup>‡</sup>	0	0	0	2	0.0	0.0	0.0	0.3
	Influenza	168	104	214	715	185.5	54.2	100.3	106.3
	Measles	0	0	1	2	0.0	0.0	0.5	0.3
	Mumps	30	9	2	45	33.1	4.7	0.9	6.7
	Pertussis	76	25	6	42	83.9	13.0	2.8	6.2
	Rubella	0	0	0	1	0.0	0.0	0.0	0.1
	Rubella congenital syndrome	0	0	0	0	0.0	0.0	0.0	0.0
Sexually Transmitted & Bloodborne	Chlamydia	294	404	551	3702	324.7	210.7	258.2	550.6
	Cytomegalovirus infection, congenital	0	1	1	3	0.0	0.5	0.5	0.4
	Gonorrhea	41	78	52	1223	45.3	40.7	24.4	181.9
	Hepatitis C: Acute	1	2	0	53	1.1	1.0	0.0	7.9
	Hepatitis C: Chronic	42	33	40	361	46.4	17.2	18.7	53.7
	Hepatitis D	0	0	0	0	0.0	0.0	0.0	0.0
	HIV	2	7	7	111	2.2	3.7	3.3	16.5
	Syphilis, infectious	4	10	16	428	4.4	5.2	7.5	63.7
	Syphilis, other	6	6	15	184	6.6	3.1	7.0	27.4
Direct Contact & Respiratory	Creutzfeldt-Jacob disease	0	0	0	0	0.0	0.0	0.0	0.0
	Legionellosis	0	0	0	1	0.0	0.0	0.0	0.1
	Leprosy	0	0	0	0	0.0	0.0	0.0	0.0
	Meningococcal, invasive	0	2	1	1	0.0	1.0	0.5	0.1
	Meningococcal, conjunctivitis	0	0	0	0	0.0	0.0	0.0	0.0
	Meningococcal, other, non-invasive	0	0	0	1	0.0	0.0	0.0	0.1
	Streptococcal, Gp A invasive	4	10	5	95	4.4	5.2	2.3	14.1
	Streptococcal, Gp B neonatal	0	0	0	3	0.0	0.0	0.0	0.4
	Pneumococcal, invasive	7	8	14	85	7.7	4.2	6.6	12.6
	Tuberculosis	2	4	17	61	2.2	2.1	8.0	9.1

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Vancouver Coastal Health Authority, 2016.

Disease	Number of cases				Rate per 100,000 population				
	Coastal Rural	Coastal Urban	Richmond	Vancouver	Coastal Rural	Coastal Urban	Richmond	Vancouver	
Enteric, Food & Waterborne	Amebiasis	8	31	8	153	8.8	16.2	3.7	22.8
	Botulism	0	0	0	0	0.0	0.0	0.0	0.0
	Campylobacteriosis	48	124	70	289	53.0	64.7	32.8	43.0
	Cholera	0	0	0	0	0.0	0.0	0.0	0.0
	Cryptococcus	0	0	1	1	0.0	0.0	0.5	0.1
	Cryptosporidiosis	5	6	1	13	5.5	3.1	0.5	1.9
	Cyclosporiasis	2	4	5	10	2.2	2.1	2.3	1.5
	<i>E.coli</i> - verotoxigenic	2	4	8	19	2.2	2.1	3.7	2.8
	Giardiasis	31	38	12	105	34.2	19.8	5.6	15.6
	Haemolytic Uremic Syndrome (HUS)	0	0	0	0	0.0	0.0	0.0	0.0
	Hepatitis A	0	1	0	2	0.0	0.5	0.0	0.3
	Hepatitis E	0	1	0	0	0.0	0.5	0.0	0.0
	Listeriosis	2	1	6	5	2.2	0.5	2.8	0.7
	Paratyphoid Fever	0	1	0	3	0.0	0.5	0.0	0.4
	Salmonellosis <sup>‡</sup>	39	65	49	146	43.1	33.9	23.0	21.7
	Shigellosis	2	7	5	58	2.2	3.7	2.3	8.6
	Typhoid Fever	0	0	2	4	0.0	0.0	0.9	0.6
	<i>Vibrio parahaemolyticus</i>	3	3	3	7	3.3	1.6	1.4	1.0
Yersiniosis	16	79	44	150	17.7	41.2	20.6	22.3	
Vectorborne & Zoonotic	Brucellosis	0	0	0	0	0.0	0.0	0.0	0.0
	Dengue Fever	4	1	3	12	4.4	0.5	1.4	1.8
	Hantavirus	0	0	0	0	0.0	0.0	0.0	0.0
	Leptospirosis	1	0	0	3	1.1	0.0	0.0	0.4
	Lyme Disease	2	3	0	4	2.2	1.6	0.0	0.6
	Malaria	1	0	1	9	1.1	0.0	0.5	1.3
	Rabies	0	0	0	0	0.0	0.0	0.0	0.0
	Rickettsial disease	0	0	0	0	0.0	0.0	0.0	0.0
	West Nile virus	0	0	0	1	0.0	0.0	0.0	0.1
	Yellow Fever	0	0	0	0	0.0	0.0	0.0	0.0
	Zika virus	1	1	0	9	1.1	0.5	0.0	1.3

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