




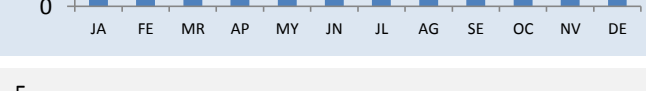
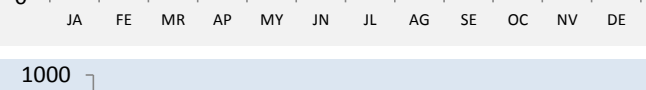
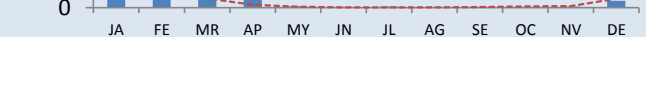
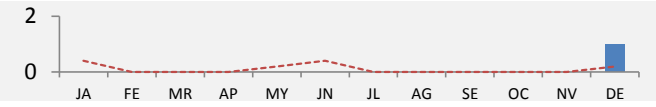
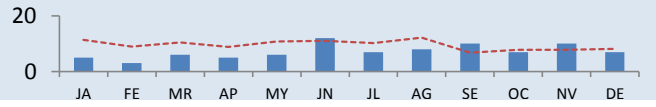
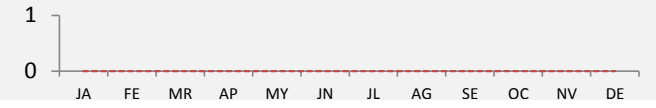
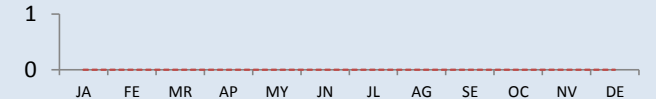
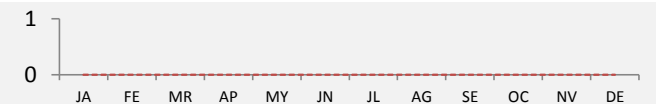
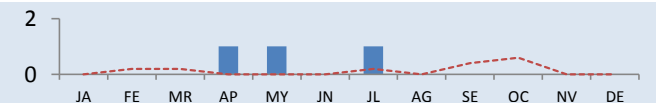
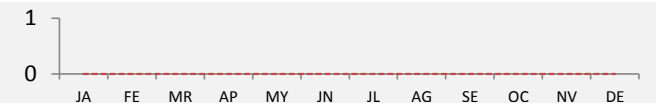
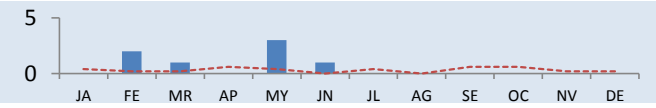

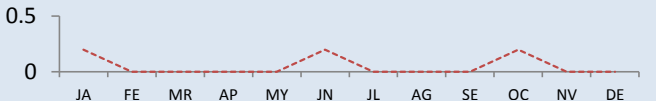


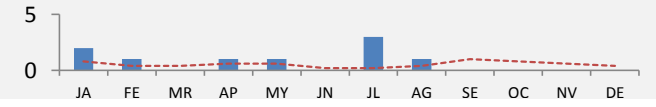
**Vancouver Coastal Health Authority, 2019 compared to 2014-2018 historical average
Number of reported communicable diseases* and incidence rates†.**

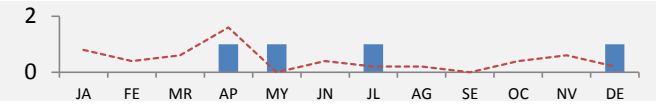

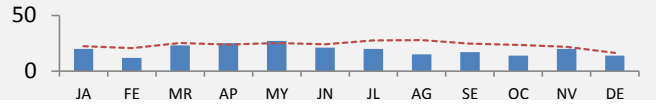
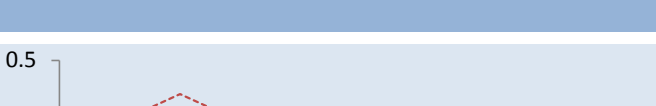
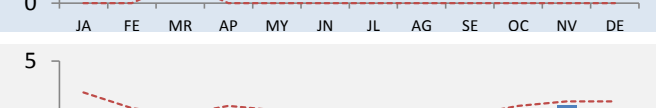

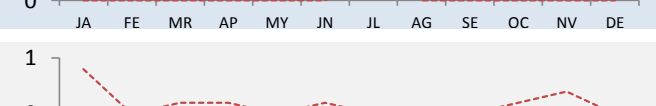
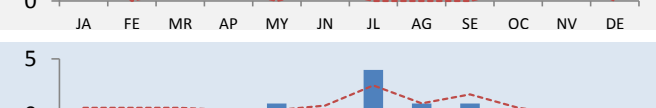

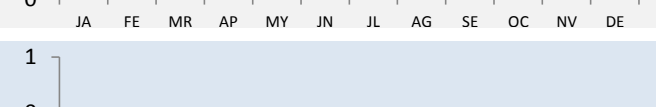
Disease	2019		2014-2018		Monthly Counts with previous 5-year trend
	Number of Cases	Rate per 100,000 population	5-year Avg Number of Cases	Rate per 100,000 population	
Vaccine Preventable Diseases					
Diphtheria: Acute	0	0.0	0.2	<0.1	
<i>Haemophilus influenzae</i> Type B, invasive	0	0.0	0	0.0	
<i>Haemophilus influenzae</i> non-Type B, invasive	0	0.0	0.4	<0.1	
<i>Haemophilus influenzae</i> non-Typable, invasive	14	1.2	12.4	1.1	
Hepatitis B: Acute	5	0.4	4.2	0.4	
Hepatitis B: Chronic carrier	446	38.2	577	51.0	
Hepatitis B: Undetermined status [†]	17	1.5	2.6	0.2	
Influenza	1796	153.8	1150.2	101.6	

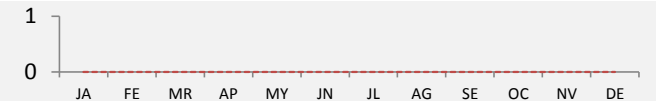
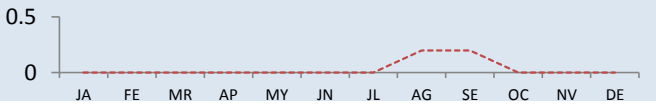
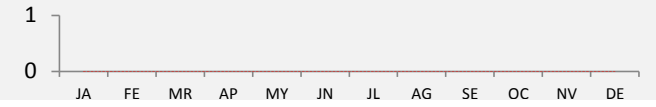
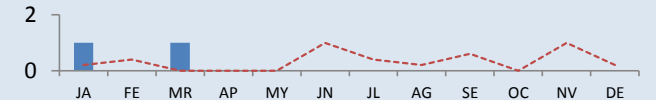
Disease	2019		2014-2018		Monthly Counts with previous 5-year trend
	Number of Cases	Rate per 100,000 population	5-year Avg Number of Cases	Rate per 100,000 population	
Measles	11	0.9	5.6	0.5	
Mumps	22	1.9	46.8	4.1	
Pertussis	77	6.6	81	7.2	
Rubella	1	<0.1	0.2	<0.1	
Sexually Transmitted & Bloodborne					
Congenital rubella syndrome	0	0.0	0	0.0	
Chlamydia	-	-	-	-	
Congenital Cytomegalovirus	2	0.2	1.8	0.2	
Gonorrhoea	-	-	-	-	
Hepatitis C: Acute	48	4.1	45	4.0	
Hepatitis C: Chronic	365	31.2	431	38.1	

Disease	2019		2014-2018		Monthly Counts with previous 5-year trend
	Number of Cases	Rate per 100,000 population	5-year Avg Number of Cases	Rate per 100,000 population	
Hepatitis D	1	<0.1	1.2	0.1	
HIV	100	7.4	114.4	10.1	
Syphilis, Infectious	-	-	-	-	
Syphilis, Other	-	-	-	-	
Direct Contact & Respiratory					
Creutzfeldt-Jacob Disease	0	0.0	0	0.0	
Legionellosis	3	0.3	1.6	0.1	
Leprosy	0	0.0	0	0.0	
Meningococcal, invasive	7	0.6	3.8	0.3	
Meningococcal, conjunctivitis	0	0.0	0	0.0	
Meningococcal, other, non-invasive	0	0.0	0.6	<0.1	

Disease	2019		2014-2018		Monthly Counts with previous 5-year trend
	Number of Cases	Rate per 100,000 population	5-year Avg Number of Cases	Rate per 100,000 population	
Streptococcal, Gp A invasive	142	12.2	94.8	8.4	
Streptococcal, Gp B neonatal	2	0.2	3	0.3	
Pneumococcal, invasive	109	9.3	114.8	10.1	
Tuberculosis	80	6.8	103.8	9.2	
Enteric, Food & Waterborne					
Amebiasis	71	6.1	204	18.0	
Botulism	1	<0.1	0.2	<0.1	
Campylobacteriosis	492	42.1	530.6	46.9	
Cholera	0	0.0	0	0.0	
Cryptococcus	3	0.3	2	0.2	
Cryptosporidiosis	90	7.7	22.8	2.0	

Disease	2019		2014-2018		Monthly Counts with previous 5-year trend
	Number of Cases	Rate per 100,000 population	5-year Avg Number of Cases	Rate per 100,000 population	
Cyclosporiasis	8	0.7	17.4	1.5	
<i>E.coli</i> - verotoxigenic	28	2.4	33.8	3.0	
Giardiasis	217	18.6	184	16.2	
Hemolytic Uremic Syndrome	0	0.0	0	0.0	
Hepatitis A	9	0.8	6.4	0.6	
Hepatitis E	2	0.2	1.8	0.2	
Listeriosis	6	0.5	6.2	0.5	
Paratyphoid fever	4	0.3	1.8	0.2	
Salmonellosis ^s	196	16.8	275.8	24.4	
Shigellosis	92	7.9	62.4	5.5	

Disease	2019		2014-2018		Monthly Counts with previous 5-year trend
	Number of Cases	Rate per 100,000 population	5-year Avg Number of Cases	Rate per 100,000 population	
Typhoid fever	4	0.3	5.4	0.5	
<i>Vibrio parahaemolyticus</i>	20	1.7	24	2.1	
Yersiniosis	228	19.5	282.8	25.0	
Vectorborne & Zoonotic					
Brucellosis	0	0.0	0.2	<0.1	
Dengue Fever	1	<0.1	9.8	0.9	
Hantavirus Pulmonary Syndrome	0	0.0	0.2	<0.1	
Leptospirosis	0	0.0	2	0.2	
Lyme Disease	7	0.6	9.6	0.8	
Malaria	6	0.5	9.6	0.8	
Rabies	0	0.0	0	0.0	

Disease	2019		2014-2018		Monthly Counts with previous 5-year trend
	Number of Cases	Rate per 100,000 population	5-year Avg Number of Cases	Rate per 100,000 population	
Rickettsial Disease: Other	0	0.0	0	0.0	
West Nile Virus	0	0.0	0.4	<0.1	
Yellow Fever	0	0.0	0	0.0	
Zika virus	2	0.2	4	0.4	

Prepared by:

Vancouver Coastal Health, Public Health Surveillance Unit, May 13, 2020.

Data sources:

1. Sexually transmitted and bloodborne disease data (except Hepatitis C) provided by the BC Centre for Disease Control (BCCDC), on March 27, 2020.
2. Other disease data are provided by VCH (PHSU team) from the Primary Access Regional Information System (PARIS). Extracted on May 12, 2020.

Notes:

* HSDA: VAN - Vancouver; RMD - Richmond; CU - Coastal Urban; CR - Coastal Rural

[†]This category captures cases with positive HBV markers and insufficient evidence to be classified; cases are likely carriers.

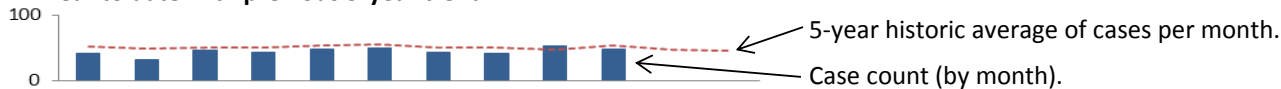
[‡]HIV data for Coastal Urban and Coastal Rural are not available prior to April 2011.

[§]Salmonellosis case counts do not include Paratyphoid fever (*Salmonella paratyphi*) Typhoid fever (*Salmonella typhi*).

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

Chlamydia, gonorrhoea, and syphilis counts are currently unavailable from BC CDC.

Year to date with previous 5-year trend



Vancouver Coastal Health Authority, 2019 compared to 2014-2018 historical average
Number of reported communicable diseases* and incidence rates†.

Disease	Number of Cases				Rate per 100,000 Population			
	Vancouver	Richmond	Coastal Urban	Coastal Rural	Vancouver	Richmond	Coastal Urban	Coastal Rural
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	8	1	3	2	1.2	0.5	1.6	2.2
Hepatitis B: Acute	2	1	2	0	0.3	0.5	1.0	0.0
Hepatitis B: Chronic carrier	262	134	40	10	38.6	61.9	20.7	10.9
Hepatitis B: Undetermined status [†]	10	3	3	1	1.5	1.4	1.6	1.1
Influenza	1054	295	204	243	155.4	136.3	105.7	264.8
Measles	9	2	0	0	1.3	0.9	0.0	0.0
Mumps	16	5	1	0	2.4	2.3	0.5	0.0
Pertussis	26	3	24	24	3.8	1.4	12.4	26.2
Rubella	0	1	0	0	0.0	0.5	0.0	0.0
Sexually Transmitted & Bloodborne								
Congenital rubella syndrome	0	0	0	0	0.0	0.0	0.0	0.0
Chlamydia	0	0	0	0	0.0	0.0	0.0	0.0
Congenital Cytomegalovirus	2	0	0	0	0.3	0.0	0.0	0.0
Gonorrhea	0	0	0	0	0.0	0.0	0.0	0.0

Disease	Number of Cases				Rate per 100,000 Population			
	Vancouver	Richmond	Coastal Urban	Coastal Rural	Vancouver	Richmond	Coastal Urban	Coastal Rural
Hepatitis C: Acute	48	0	0	0	7.1	0.0	0.0	0.0
Hepatitis C: Chronic	291	26	24	24	42.9	12.0	12.4	26.2
Hepatitis D	1	0	0	0	0.1	0.0	0.0	0.0
HIV	0	0	0	0	0.0	0.0	0.0	0.0
Syphilis, Infectious	0	0	0	0	0.0	0.0	0.0	0.0
Syphilis, Other	0	0	0	0	0.0	0.0	0.0	0.0
Direct Contact & Respiratory								
Creutzfeldt-Jacob Disease	0	0	0	0	0.0	0.0	0.0	0.0
Legionellosis	3	0	0	0	0.4	0.0	0.0	0.0
Leprosy	0	0	0	0	0.0	0.0	0.0	0.0
Meningococcal, invasive	6	0	1	0	0.9	0.0	0.5	0.0
Meningococcal, conjunctivitis	0	0	0	0	0.0	0.0	0.0	0.0
Meningococcal, other, non-invasive	0	0	0	0	0.0	0.0	0.0	0.0
Streptococcal, Gp A invasive	126	9	5	2	18.6	4.2	2.6	2.2
Streptococcal, Gp B neonatal	1	1	0	0	0.1	0.5	0.0	0.0
Pneumococcal, invasive	77	10	16	6	11.4	4.6	8.3	6.5
Tuberculosis	64	12	3	1	9.4	5.5	1.6	1.1
Enteric, Food & Waterborne								
Amebiasis	59	2	5	5	8.7	0.9	2.6	5.4
Botulism	1	0	0	0	0.1	0.0	0.0	0.0
Campylobacteriosis	280	60	114	38	41.3	27.7	59.0	41.4
Cholera	0	0	0	0	0.0	0.0	0.0	0.0
Cryptococcus	3	0	0	0	0.4	0.0	0.0	0.0

Disease	Number of Cases				Rate per 100,000 Population			
	Vancouver	Richmond	Coastal Urban	Coastal Rural	Vancouver	Richmond	Coastal Urban	Coastal Rural
Cryptosporidiosis	62	11	13	4	9.1	5.1	6.7	4.4
Cyclosporiasis	6	0	1	1	0.9	0.0	0.5	1.1
<i>E.coli</i> - verotoxigenic	18	2	7	1	2.7	0.9	3.6	1.1
Giardiasis	157	7	38	15	23.1	3.2	19.7	16.3
Hemolytic Uremic Syndrome	0	0	0	0	0.0	0.0	0.0	0.0
Hepatitis A	8	0	0	1	1.2	0.0	0.0	1.1
Hepatitis E	1	0	1	0	0.1	0.0	0.5	0.0
Listeriosis	3	1	2	0	0.4	0.5	1.0	0.0
Paratyphoid fever	3	0	1	0	0.4	0.0	0.5	0.0
Salmonellosis ^s	111	28	39	18	16.4	12.9	20.2	19.6
Shigellosis	76	8	6	2	11.2	3.7	3.1	2.2
Typhoid fever	2	1	1	0	0.3	0.5	0.5	0.0
<i>Vibrio parahaemolyticus</i>	7	2	6	5	1.0	0.9	3.1	5.4
Yersiniosis	142	28	47	11	20.9	12.9	24.3	12.0
Vectorborne & Zoonotic								
Brucellosis	0	0	0	0	0.0	0.0	0.0	0.0
Dengue Fever	0	0	0	1	0.0	0.0	0.0	1.1
Hantavirus Pulmonary Syndrome	0	0	0	0	0.0	0.0	0.0	0.0
Leptospirosis	0	0	0	0	0.0	0.0	0.0	0.0
Lyme Disease	4	0	2	1	0.6	0.0	1.0	1.1
Malaria	4	0	0	2	0.6	0.0	0.0	2.2
Rabies	0	0	0	0	0.0	0.0	0.0	0.0
Rickettsial Disease: Other	0	0	0	0	0.0	0.0	0.0	0.0

Disease	Number of Cases				Rate per 100,000 Population			
	Vancouver	Richmond	Coastal Urban	Coastal Rural	Vancouver	Richmond	Coastal Urban	Coastal Rural
West Nile Virus	0	0	0	0	0.0	0.0	0.0	0.0
Yellow Fever	0	0	0	0	0.0	0.0	0.0	0.0
Zika virus	1	1	0	0	0.1	0.5	0.0	0.0

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Data sources:

1. Sexually transmitted and bloodborne disease data (except Hepatitis C) provided by the BC Centre for Disease Control (BCCDC), on March 27, 2020.
2. Other disease data are provided by VCH (PHSU team) from the Primary Access Regional Information System (PARIS). Extracted on May 12, 2020.

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.