
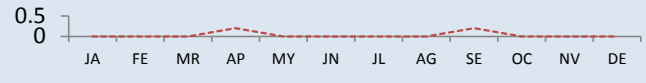
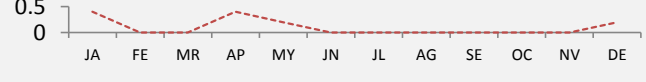
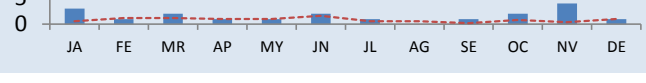

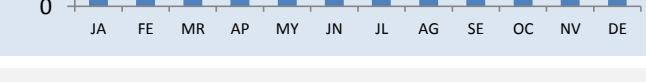

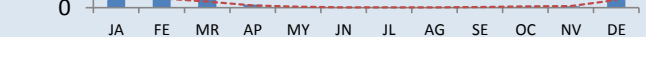
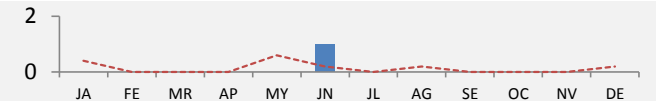
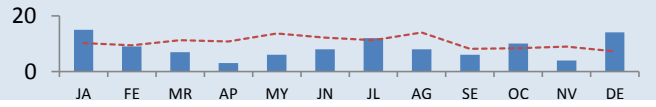
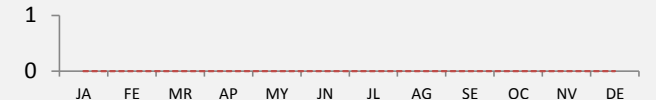
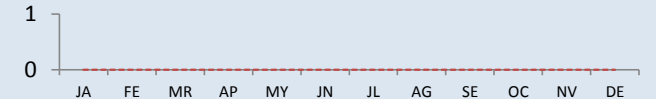
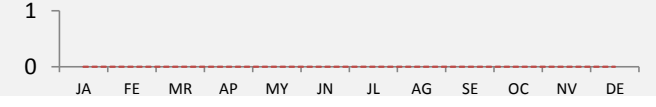
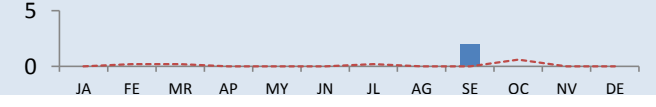

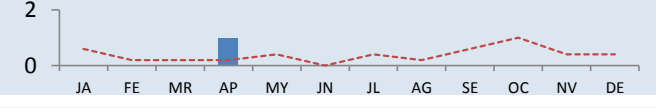




**Vancouver Coastal Health Authority, 2018 compared to 2013-2017 historical average  
Number of reported communicable diseases\* and incidence rates†.**

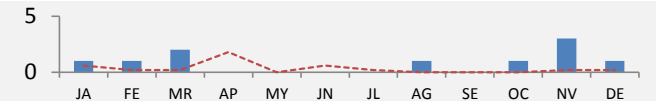
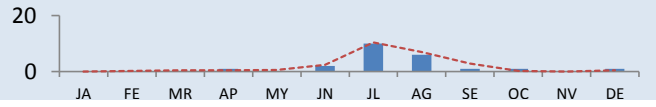
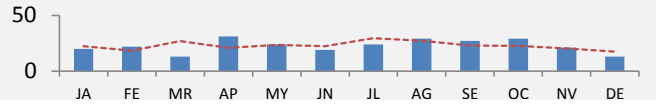
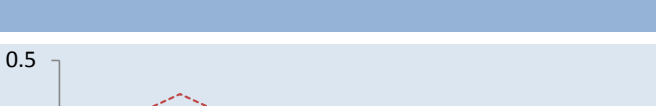
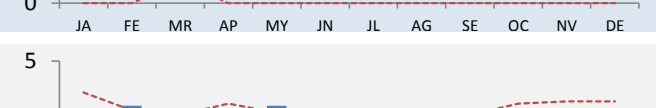

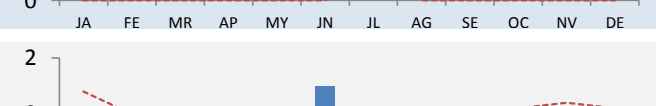
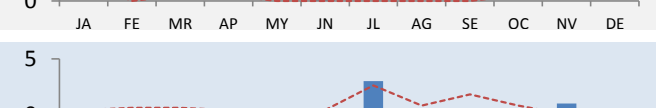
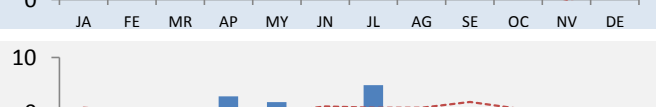
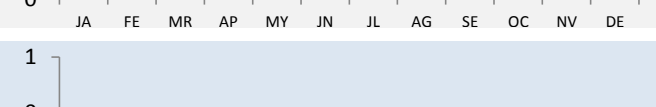
Disease	2018		2013-2017		Monthly Counts with previous 5-year trend
	Number of Cases	Rate per 100,000 population	5-year Avg Number of Cases	Rate per 100,000 population	
<b>Vaccine Preventable Diseases</b>					
Diphtheria: Acute	0	0.0	0.2	<0.1	
<i>Haemophilus influenzae</i> Type B, invasive	0	0.0	0.4	<0.1	
<i>Haemophilus influenzae</i> non-Type B, invasive	0	0.0	1.2	0.1	
<i>Haemophilus influenzae</i> non-Typable, invasive	19	1.6	10.2	0.9	
Hepatitis B: Acute	6	0.5	4.2	0.4	
Hepatitis B: Chronic carrier	518	44.3	605.4	53.5	
Hepatitis B: Undetermined status <sup>†</sup>	8	0.7	4	0.4	
Influenza	1505	128.8	955.8	84.4	

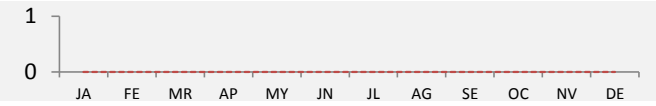
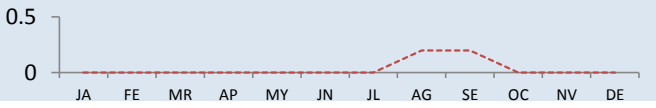
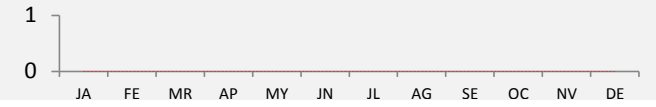
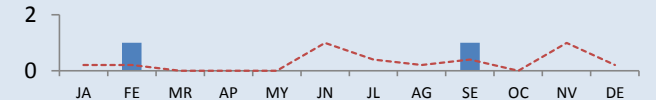
Disease	2018		2013-2017		Monthly Counts with previous 5-year trend
	Number of Cases	Rate per 100,000 population	5-year Avg Number of Cases	Rate per 100,000 population	
Measles	2	0.2	6.6	0.6	
Mumps	12	1.0	45.8	4.0	
Pertussis	76	6.5	74.8	6.6	
Rubella	0	0.0	0.2	<0.1	
<b>Sexually Transmitted &amp; Bloodborne</b>					
Congenital rubella syndrome	0	0.0	0	0.0	
Chlamydia	-	-	-	-	
Congenital Cytomegalovirus	2	0.2	1.6	0.1	
Gonorrhoea	-	-	-	-	
Hepatitis C: Acute	50	4.3	41.2	3.6	
Hepatitis C: Chronic	358	30.6	451.6	39.9	

Disease	2018		2013-2017		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	1.6	0.1	
HIV	100	8.7	125.4	11.1	
Syphilis, Infectious	-	-	-	-	
Syphilis, Other	-	-	-	-	
<b>Direct Contact &amp; Respiratory</b>					
Creutzfeldt-Jacob Disease	0	0.0	0	0.0	
Legionellosis	2	0.2	1.2	0.1	
Leprosy	0	0.0	0	0.0	
Meningococcal, invasive	1	<0.1	4.6	0.4	
Meningococcal, conjunctivitis	0	0.0	0	0.0	
Meningococcal, other, non-invasive	0	0.0	0.6	<0.1	

Disease	2018		2013-2017		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	117	10.0	80.4	7.1	
Streptococcal, Gp B neonatal	6	0.5	2.2	0.2	
Pneumococcal, invasive	134	11.5	108.2	9.6	
Tuberculosis	80	6.8	108	9.5	
<b>Enteric, Food &amp; Waterborne</b>					
Amebiasis	196	16.8	205.8	18.2	
Botulism	0	0.0	0.2	<0.1	
Campylobacteriosis	532	45.5	540.6	47.7	
Cholera	2	0.2	0	0.0	
Cryptococcus	1	<0.1	2.6	0.2	
Cryptosporidiosis	13	1.1	26	2.3	

Disease	2018		2013-2017		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	16	1.4	16.6	1.5	
<i>E.coli</i> - verotoxigenic	39	3.3	33.6	3.0	
Giardiasis	141	12.1	200.2	17.7	
Hemolytic Uremic Syndrome	0	0.0	0	0.0	
Hepatitis A	6	0.5	6	0.5	
Hepatitis E	1	<0.1	1.8	0.2	
Listeriosis	3	0.3	6.6	0.6	
Paratyphoid fever	1	<0.1	2.6	0.2	
Salmonellosis <sup>s</sup>	238	20.4	278.2	24.6	
Shigellosis	50	4.3	65.8	5.8	

Disease	2018		2013-2017		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	10	0.9	4	0.4	
<i>Vibrio parahaemolyticus</i>	22	1.9	24.8	2.2	
Yersiniosis	272	23.3	274.8	24.3	
<b>Vectorborne &amp; Zoonotic</b>					
Brucellosis	0	0.0	0.2	<0.1	
Dengue Fever	2	0.2	10	0.9	
Hantavirus Pulmonary Syndrome	0	0.0	0.2	<0.1	
Leptospirosis	1	<0.1	2	0.2	
Lyme Disease	4	0.3	9.2	0.8	
Malaria	12	1.0	9.6	0.8	
Rabies	0	0.0	0	0.0	

Disease	2018		2013-2017		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	3.6	0.3	

**Prepared by:**

Vancouver Coastal Health, Public Health Surveillance Unit, March 13, 2019.

**Data sources:**

1. Sexually transmitted and bloodborne disease data (except Hepatitis C) provided by the BC Centre for Disease Control (BCCDC), extracted on February 20, 2019.
2. Other disease data are provided by VCH (PHSU team) from the Primary Access Regional Information System (PARIS). Extracted on November 15, 2018.

**Notes:**

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

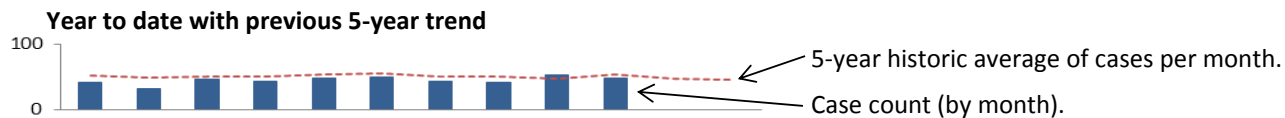
<sup>†</sup>This category captures cases with positive HBV markers and insufficient evidence to be classified; cases are likely carriers.

<sup>‡</sup>HIV data for Coastal Urban and Coastal Rural are not available prior to April 2011.

<sup>§</sup>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.



**Vancouver Coastal Health Authority, 2018 compared to 2013-2017 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
<b>Vaccine Preventable Diseases</b>								
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	14	2	2	1	2.1	0.9	1.0	1.1
Hepatitis B: Acute	5	0	1	0	0.7	0.0	0.5	0.0
Hepatitis B: Chronic carrier	319	157	39	3	47.0	72.6	20.2	3.3
Hepatitis B: Undetermined status <sup>†</sup>	6	1	1	0	0.9	0.5	0.5	0.0
Influenza	819	271	196	219	120.7	125.3	101.5	238.7
Measles	1	1	0	0	0.1	0.5	0.0	0.0
Mumps	9	1	1	1	1.3	0.5	0.5	1.1
Pertussis	40	6	20	10	5.9	2.8	10.4	10.9
Rubella	0	0	0	0	0.0	0.0	0.0	0.0
<b>Sexually Transmitted &amp; Bloodborne</b>								
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	49	0	1	0	7.2	0.0	0.5	0.0
Hepatitis C: Chronic	268	25	29	36	39.5	11.6	15.0	39.2
Hepatitis D	1	0	0	0	0.1	0.0	0.0	0.0
HIV	87	5	6	4	12.8	2.3	3.1	4.4
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
<b>Direct Contact &amp; Respiratory</b>								
Creutzfeldt-Jacob Disease	0	0	0	0	0.0	0.0	0.0	0.0
Legionellosis	0	2	0	0	0.0	0.9	0.0	0.0
Leprosy	0	0	0	0	0.0	0.0	0.0	0.0
Meningococcal, invasive	0	1	0	0	0.0	0.5	0.0	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	96	4	14	3	14.2	1.8	7.3	3.3
Streptococcal, Gp B neonatal	4	1	1	0	0.6	0.5	0.5	0.0
Pneumococcal, invasive	103	13	11	7	15.2	6.0	5.7	7.6
Tuberculosis	51	21	7	1	7.5	9.7	3.6	1.1
<b>Enteric, Food &amp; Waterborne</b>								
Amebiasis	162	8	13	13	23.9	3.7	6.7	14.2
Botulism	0	0	0	0	0.0	0.0	0.0	0.0
Campylobacteriosis	302	63	109	58	44.5	29.1	56.5	63.2
Cholera	1	0	1	0	0.1	0.0	0.5	0.0
Cryptococcus	1	0	0	0	0.1	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	8	2	2	1	1.2	0.9	1.0	1.1
Cyclosporiasis	10	3	3	0	1.5	1.4	1.6	0.0
<i>E.coli</i> - verotoxigenic	26	6	5	2	3.8	2.8	2.6	2.2
Giardiasis	87	11	25	18	12.8	5.1	12.9	19.6
Hemolytic Uremic Syndrome	0	0	0	0	0.0	0.0	0.0	0.0
Hepatitis A	3	0	2	1	0.4	0.0	1.0	1.1
Hepatitis E	0	1	0	0	0.0	0.5	0.0	0.0
Listeriosis	3	0	0	0	0.4	0.0	0.0	0.0
Paratyphoid fever	1	0	0	0	0.1	0.0	0.0	0.0
Salmonellosis <sup>s</sup>	141	32	39	26	20.8	14.8	20.2	28.3
Shigellosis	41	4	4	1	6.0	1.8	2.1	1.1
Typhoid fever	10	0	0	0	1.5	0.0	0.0	0.0
<i>Vibrio parahaemolyticus</i>	10	4	5	3	1.5	1.8	2.6	3.3
Yersiniosis	171	35	50	16	25.2	16.2	25.9	17.4
<b>Vectorborne &amp; Zoonotic</b>								
Brucellosis	0	0	0	0	0.0	0.0	0.0	0.0
Dengue Fever	1	0	0	1	0.1	0.0	0.0	1.1
Hantavirus Pulmonary Syndrome	0	0	0	0	0.0	0.0	0.0	0.0
Leptospirosis	1	0	0	0	0.1	0.0	0.0	0.0
Lyme Disease	1	1	1	1	0.1	0.5	0.5	1.1
Malaria	10	2	0	0	1.5	0.9	0.0	0.0
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	2	0	0	0	0.3	0.0	0.0	0.0

Prepared by:

Vancouver Coastal Health, Public Health Surveillance Unit, November 15, 2018.

Data sources:

1. Sexually transmitted and bloodborne disease data (except Hepatitis C) provided by the BC Centre for Disease Control (BCCDC), extracted on October 23, 2018.
2. Other disease data are provided by VCH (PHSU team) from the Primary Access Regional Information System (PARIS). Extracted on November 15, 2018.

Notes:

\*Communicable diseases without reported activity from 2011 to 2016 not included in this table are:

†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.