

Number of reported communicable diseases\* and incidence rates<sup>†</sup>.

Vancouver Coastal Health Authority, 2017 compared to 2012-2016 historical average

| Disease                           |   | 2017            |                             | 2012-2016 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                         | <1                | <0.1                        |
|                                   | <i>Haemophilus influenzae</i> Type B, invasive      | 0               | 0.0                         | 1                 | <0.1                        |
|                                   | <i>Haemophilus influenzae</i> non-Type B, invasive  | 0               | 0.0                         | 2                 | 0.2                         |
|                                   | <i>Haemophilus influenzae</i> non-Typable, invasive | 14              | 1.2                         | 9                 | 0.8                         |
|                                   | Hepatitis B: Acute                                  | 3               | 0.3                         | 5                 | 0.5                         |
|                                   | Hepatitis B: Chronic carrier                        | 525             | 44.9                        | 631               | 55.7                        |
|                                   | Hepatitis B: Undetermined status <sup>‡</sup>       | 4               | 0.3                         | 8                 | 0.7                         |
|                                   | Influenza   | 1,475           | 126.3                       | 732               | 64.7                        |
|                                   | Measles   | 0               | 0.0                         | 7                 | 0.6                         |
|                                   | Mumps   | 105             | 9.0                         | 25                | 2.2                         |
|                                   | Pertussis   | 61              | 5.2                         | 116               | 10.2                        |
|                                   | Rubella   | 0               | 0.0                         | <1                | <0.1                        |
|                                   | Rubella congenital syndrome                         | 0               | 0.0                         | 0                 | 0.0                         |
| Sexually Transmitted & Bloodborne | Chlamydia   | 5,359           | 458.8                       | 4,402             | 388.7                       |
|                                   | Cytomegalovirus infection, congenital               | 2               | 0.2                         | 1                 | 0.1                         |
|                                   | Gonorrhea   | 1,284           | 109.9                       | 1,044             | 92.2                        |
|                                   | Hepatitis C: Acute                                  | 42              | 3.6                         | 40                | 3.5                         |
|                                   | Hepatitis C: Chronic                                | 443             | 37.9                        | 444               | 39.2                        |
|                                   | Hepatitis D   | 2               | 0.2                         | 2                 | 0.1                         |
|                                   | HIV   | 104             | 8.9                         | 134               | 11.9                        |
|                                   | Syphilis, infectious                                | 396             | 33.9                        | 418               | 36.9                        |
|                                   | Syphilis, other                                     | 188             | 16.1                        | 128               | 11.3                        |
| Direct Contact & Respiratory      | Creutzfeldt-Jacob disease                           | 0               | 0.0                         | <1                | <0.1                        |
|                                   | Legionellosis                                       | 2               | 0.2                         | <1                | <0.1                        |
|                                   | Leprosy   | 0               | 0.0                         | 0                 | 0.0                         |
|                                   | Meningococcal, invasive                             | 5               | 0.4                         | 5                 | 0.4                         |
|                                   | Meningococcal, conjunctivitis                       | 0               | 0.0                         | 0                 | 0.0                         |
|                                   | Meningococcal, other, non-invasive                  | 1               | <0.1                        | <1                | <0.1                        |
|                                   | Streptococcal, Gp A invasive                        | 129             | 11.0                        | 60                | 5.3                         |
|                                   | Streptococcal, Gp B neonatal                        | 2               | 0.2                         | 2                 | 0.2                         |
|                                   | Pneumococcal, invasive                              | 137             | 11.7                        | 97                | 8.6                         |
|                                   | Tuberculosis  | 0               | 0.0                         | 0                 | 0.0                         |

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

Vancouver Coastal Health Authority, 2017 compared to 2012-2016 historical average

|                            |                                  | 2017            |                             | 2012-2016 average |                             |
|----------------------------|----------------------------------|-----------------|-----------------------------|-------------------|-----------------------------|
| Disease                    |                                  | Number of cases | Rate per 100,000 population | Number of cases   | Rate per 100,000 population |
| Enteric, Food & Waterborne | Amebiasis                        | 205             | 17.6                        | 198               | 17.5                        |
|                            | Botulism                         | 0               | 0.0                         | <1                | <0.1                        |
|                            | Campylobacteriosis               | 562             | 48.1                        | 553               | 48.8                        |
|                            | Cholera                          | 0               | 0.0                         | <1                | <0.1                        |
|                            | Cryptococcus                     | 1               | <0.1                        | 5                 | 0.4                         |
|                            | Cryptosporidiosis                | 29              | 2.5                         | 24                | 2.1                         |
|                            | Cyclosporiasis                   | 18              | 1.5                         | 15                | 1.3                         |
|                            | <i>E.coli</i> - verotoxigenic    | 43              | 3.7                         | 32                | 2.8                         |
|                            | Giardiasis                       | 190             | 16.3                        | 203               | 17.9                        |
|                            | Haemolytic Uremic Syndrome (HUS) | 0               | 0.0                         | <1                | <0.1                        |
|                            | Hepatitis A                      | 4               | 0.3                         | 7                 | 0.6                         |
|                            | Hepatitis E                      | 2               | 0.2                         | 1                 | 0.1                         |
|                            | Listeriosis                      | 4               | 0.3                         | 7                 | 0.6                         |
|                            | Paratyphoid Fever                | 1               | <0.1                        | 3                 | 0.2                         |
|                            | Salmonellosis <sup>‡</sup>       | 259             | 22.2                        | 273               | 24.1                        |
|                            | Shigellosis                      | 42              | 3.6                         | 75                | 6.6                         |
|                            | Typhoid Fever                    | 7               | 0.6                         | 3                 | 0.3                         |
|                            | <i>Vibrio parahaemolyticus</i>   | 15              | 1.3                         | 27                | 2.3                         |
|                            | Yersiniosis                      | 302             | 25.9                        | 255               | 22.5                        |
| Vectorborne & Zoonotic     | Brucellosis                      | 0               | 0.0                         | <1                | <0.1                        |
|                            | Dengue Fever                     | 8               | 0.7                         | 8                 | 0.7                         |
|                            | Hantavirus                       | 0               | 0.0                         | <1                | <0.1                        |
|                            | Leptospirosis                    | 5               | 0.4                         | 1                 | <0.1                        |
|                            | Lyme Disease                     | 7               | 0.6                         | 7                 | 0.7                         |
|                            | Malaria                          | 5               | 0.4                         | 11                | 0.9                         |
|                            | 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                       | 2               | 0.2                         | 3                 | 0.3                         |

Prepared by: Vancouver Coastal Health, Public Health Surveillance Unit, April 2018.

Data sources:

- Sexually transmitted and bloodborne disease data, with the exception of Hepatitis C, are provided by the BC Centre for Disease Control (BCCDC), extracted on February 13, 2018.
- 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 April 9, 2018.

Population source: BC STATS, BC Ministry of Labour and Citizens' Services, Population Estimates as of April 2018.

Notes:

\*Communicable diseases without reported activity from 2012 to 2017 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, 2017.

| 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 | 2             | 2        | 3         | 7                           | 2.2           | 1.0      | 1.4       | 1.0   |
|                                   | Hepatitis B: Acute                                  | 0             | 0        | 0         | 3                           | 0.0           | 0.0      | 0.0       | 0.4   |
|                                   | <i>Hepatitis B: Chronic carrier</i>                 | 6             | 38       | 167       | 314                         | 6.5           | 19.7     | 77.2      | 46.3  |
|                                   | Hepatitis B: Undetermined status <sup>‡</sup>       | 0             | 1        | 1         | 2                           | 0.0           | 0.5      | 0.5       | 0.3   |
|                                   | <i>Influenza</i>                                    | 198           | 144      | 225       | 908                         | 215.8         | 74.6     | 104.0     | 133.9 |
|                                   | Measles   | 0             | 0        | 0         | 0                           | 0.0           | 0.0      | 0.0       | 0.0   |
|                                   | <i>Mumps</i>  | 18            | 6        | 7         | 74                          | 19.6          | 3.1      | 3.2       | 10.9  |
|                                   | Pertussis   | 15            | 16       | 4         | 26                          | 16.3          | 8.3      | 1.8       | 3.8   |
|                                   | <i>Rubella</i>                                      | 0             | 0        | 0         | 0                           | 0.0           | 0.0      | 0.0       | 0.0   |
|                                   | Rubella congenital syndrome                         | 0             | 0        | 0         | 0                           | 0.0           | 0.0      | 0.0       | 0.0   |
| Sexually Transmitted & Bloodborne | <i>Chlamydia</i>                                    | 188           | 425      | 600       | 3975                        | 204.9         | 220.1    | 277.3     | 586.0 |
|                                   | Cytomegalovirus infection, congenital               | 0             | 0        | 0         | 2                           | 0.0           | 0.0      | 0.0       | 0.3   |
|                                   | <i>Gonorrhoea</i>                                   | 27            | 41       | 61        | 1124                        | 29.4          | 21.2     | 28.2      | 165.7 |
|                                   | Hepatitis C: Acute                                  | 1             | 1        | 0         | 40                          | 1.1           | 0.5      | 0.0       | 5.9   |
|                                   | <i>Hepatitis C: Chronic</i>                         | 38            | 20       | 38        | 347                         | 41.4          | 10.4     | 17.6      | 51.2  |
|                                   | Hepatitis D   | 0             | 0        | 1         | 1                           | 0.0           | 0.0      | 0.5       | 0.1   |
|                                   | <i>HIV</i>  | 2             | 2        | 7         | 93                          | 2.2           | 1.0      | 3.2       | 13.7  |
|                                   | Syphilis, infectious                                | 6             | 10       | 13        | 367                         | 6.5           | 5.2      | 6.0       | 54.1  |
|                                   | <i>Syphilis, other</i>                              | 1             | 3        | 7         | 177                         | 1.1           | 1.6      | 3.2       | 26.1  |
| Direct Contact & Respiratory      | Creutzfeldt-Jacob disease                           | 0             | 0        | 0         | 0                           | 0.0           | 0.0      | 0.0       | 0.0   |
|                                   | <i>Legionellosis</i>                                | 0             | 0        | 0         | 2                           | 0.0           | 0.0      | 0.0       | 0.3   |
|                                   | Leprosy   | 0             | 0        | 0         | 0                           | 0.0           | 0.0      | 0.0       | 0.0   |
|                                   | <i>Meningococcal, invasive</i>                      | 1             | 1        | 0         | 3                           | 1.1           | 0.5      | 0.0       | 0.4   |
|                                   | Meningococcal, conjunctivitis                       | 0             | 0        | 0         | 0                           | 0.0           | 0.0      | 0.0       | 0.0   |
|                                   | <i>Meningococcal, other, non-invasive</i>           | 0             | 0        | 0         | 1                           | 0.0           | 0.0      | 0.0       | 0.1   |
|                                   | Streptococcal, Gp A invasive                        | 5             | 10       | 12        | 102                         | 5.4           | 5.2      | 5.5       | 15.0  |
|                                   | <i>Streptococcal, Gp B neonatal</i>                 | 0             | 0        | 0         | 2                           | 0.0           | 0.0      | 0.0       | 0.3   |
|                                   | Pneumococcal, invasive                              | 6             | 8        | 11        | 112                         | 6.5           | 4.1      | 5.1       | 16.5  |
|                                   | <i>Tuberculosis</i>                                 | 0             | 0        | 0         | 0                           | 0.0           | 0.0      | 0.0       | 0.0   |

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| 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                        | 11            | 12       | 9         | 173                         | 12.0          | 6.2      | 4.2       | 25.5 |
|                            | Botulism                         | 0             | 0        | 0         | 0                           | 0.0           | 0.0      | 0.0       | 0.0  |
|                            | Campylobacteriosis               | 45            | 136      | 93        | 288                         | 49.0          | 70.4     | 43.0      | 42.5 |
|                            | Cholera                          | 0             | 0        | 0         | 0                           | 0.0           | 0.0      | 0.0       | 0.0  |
|                            | Cryptococcus                     | 0             | 0        | 0         | 1                           | 0.0           | 0.0      | 0.0       | 0.1  |
|                            | Cryptosporidiosis                | 3             | 2        | 2         | 22                          | 3.3           | 1.0      | 0.9       | 3.2  |
|                            | Cyclosporiasis                   | 4             | 4        | 0         | 10                          | 4.4           | 2.1      | 0.0       | 1.5  |
|                            | <i>E.coli</i> - verotoxigenic    | 7             | 10       | 2         | 24                          | 7.6           | 5.2      | 0.9       | 3.5  |
|                            | Giardiasis                       | 22            | 33       | 8         | 127                         | 24.0          | 17.1     | 3.7       | 18.7 |
|                            | Haemolytic Uremic Syndrome (HUS) | 0             | 0        | 0         | 0                           | 0.0           | 0.0      | 0.0       | 0.0  |
|                            | Hepatitis A                      | 0             | 2        | 0         | 2                           | 0.0           | 1.0      | 0.0       | 0.3  |
|                            | Hepatitis E                      | 0             | 0        | 0         | 2                           | 0.0           | 0.0      | 0.0       | 0.3  |
|                            | Listeriosis                      | 0             | 0        | 1         | 3                           | 0.0           | 0.0      | 0.5       | 0.4  |
|                            | Paratyphoid Fever                | 0             | 0        | 0         | 1                           | 0.0           | 0.0      | 0.0       | 0.1  |
|                            | Salmonellosis <sup>§</sup>       | 29            | 56       | 37        | 137                         | 31.6          | 29.0     | 17.1      | 20.2 |
|                            | Shigellosis                      | 1             | 5        | 5         | 31                          | 1.1           | 2.6      | 2.3       | 4.6  |
|                            | Typhoid Fever                    | 0             | 1        | 0         | 6                           | 0.0           | 0.5      | 0.0       | 0.9  |
|                            | <i>Vibrio parahaemolyticus</i>   | 4             | 1        | 1         | 9                           | 4.4           | 0.5      | 0.5       | 1.3  |
|                            | Yersiniosis                      | 17            | 68       | 39        | 178                         | 18.5          | 35.2     | 18.0      | 26.2 |
| Vectorborne & Zoonotic     | Brucellosis                      | 0             | 0        | 0         | 0                           | 0.0           | 0.0      | 0.0       | 0.0  |
|                            | Dengue Fever                     | 2             | 0        | 0         | 6                           | 2.2           | 0.0      | 0.0       | 0.9  |
|                            | Hantavirus                       | 0             | 0        | 0         | 0                           | 0.0           | 0.0      | 0.0       | 0.0  |
|                            | Leptospirosis                    | 1             | 0        | 0         | 4                           | 1.1           | 0.0      | 0.0       | 0.6  |
|                            | Lyme Disease                     | 1             | 1        | 1         | 4                           | 1.1           | 0.5      | 0.5       | 0.6  |
|                            | Malaria                          | 0             | 2        | 0         | 3                           | 0.0           | 1.0      | 0.0       | 0.4  |
|                            | 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                       | 0             | 0        | 0         | 2                           | 0.0           | 0.0      | 0.0       | 0.3  |

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