

This report summarizes all unintentional illicit drug overdose deaths in British Columbia (accidental and undetermined) that occurred between January 1, 2007, and March 31, 2018, inclusive. It includes confirmed and suspected illicit overdose deaths. *Please note that data is subject to change as investigations are concluded.*

Inclusion Criteria: The illicit drug overdose category includes the following:

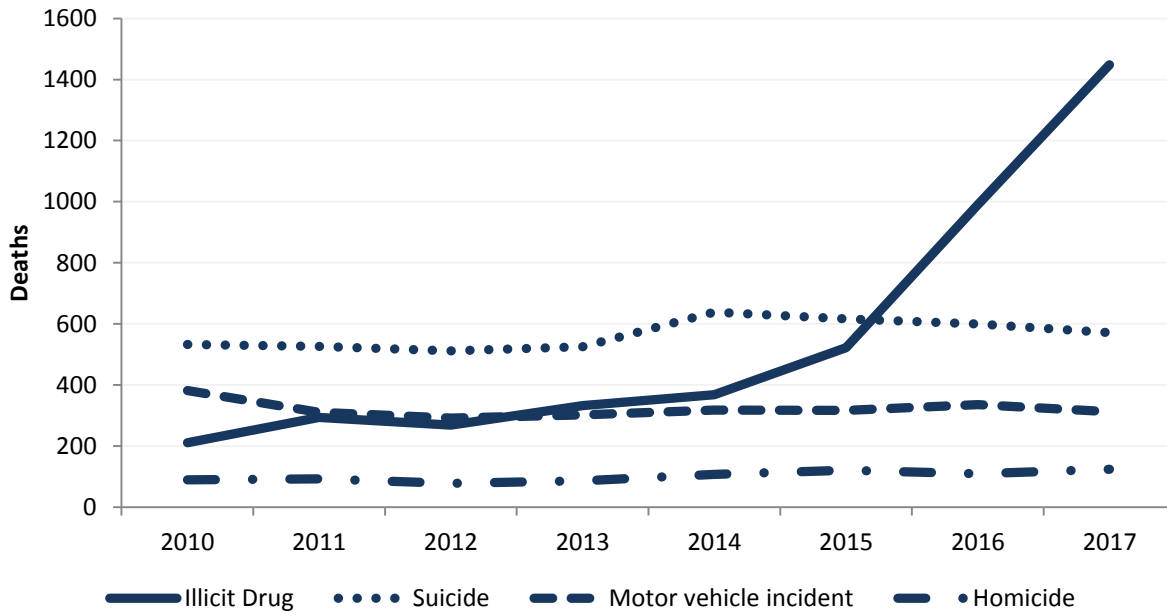
- Street drugs (Controlled and illegal drugs: heroin, cocaine, MDMA, methamphetamine, illicit fentanyl etc.).
- Medications not prescribed to the decedent but obtained/purchased on the street, from unknown means or where origin of drug not known.
- Combinations of the above with prescribed medications.

Summary

- There were 161 suspected drug overdose deaths in March 2018. This is a 24% increase over the number of deaths occurring in March 2017 (130) and a 58% increase over the number of deaths occurring in February 2018 (102).
- The number of illicit drug overdose deaths in March 2018 equates to about 5.2 deaths per day for the month.
- In 2018, 69% of those dying were aged 19 to 49; individuals aged 19-59 have accounted 91% of illicit drug overdose deaths. Males accounted for 82% of all suspected illicit drug overdose deaths over the same period.
- The three townships experiencing the highest number of illicit drug overdoses in 2018 are Vancouver, Surrey, and Victoria.
- Fraser and Vancouver Coastal Health Authority have had the highest *number* of illicit drug overdose deaths (121 and 110 deaths, respectively) in 2018, making up 59% of all illicit drug overdose deaths during this period.
- Vancouver Coastal Health Authority has the highest *rate* of illicit drug overdose deaths (37 deaths per 100,000 individuals) followed by Vancouver Island Health Authority (37 deaths per 100,000 individuals) in 2018. Overall, the rate of illicit drug overdose deaths in BC was 32 deaths per 100,000 individuals in 2018.
- Rates of illicit drug overdose deaths are highest in Vancouver, Northern Interior, South Vancouver Island, Okanagan, and Thompson Cariboo Health Services Delivery Areas.
- All Health Authorities except for Interior saw an increase in the number of illicit drug overdose deaths in March 2018 compared to February 2018.
- In 2018, 91% of illicit drug overdose deaths occurred inside (62% private residences, 29% other inside locations) and 8% occurred outside in vehicles, sidewalks, streets, parks, etc.
- There were no deaths at supervised consumption or drug overdose prevention sites.

- This figure illustrates the comparison of illicit drug overdose deaths to other common causes of unnatural deaths from 2010 to 2017.

Major Causes of Unnatural Deaths in BC



- More fatal overdoses occurred during the days following income assistance payment (Wed-Sun) than all other days in 2017-18. Income assistance payment dates can be found at <https://www2.gov.bc.ca/gov/content/family-social-supports/income-assistance/payment-dates>.

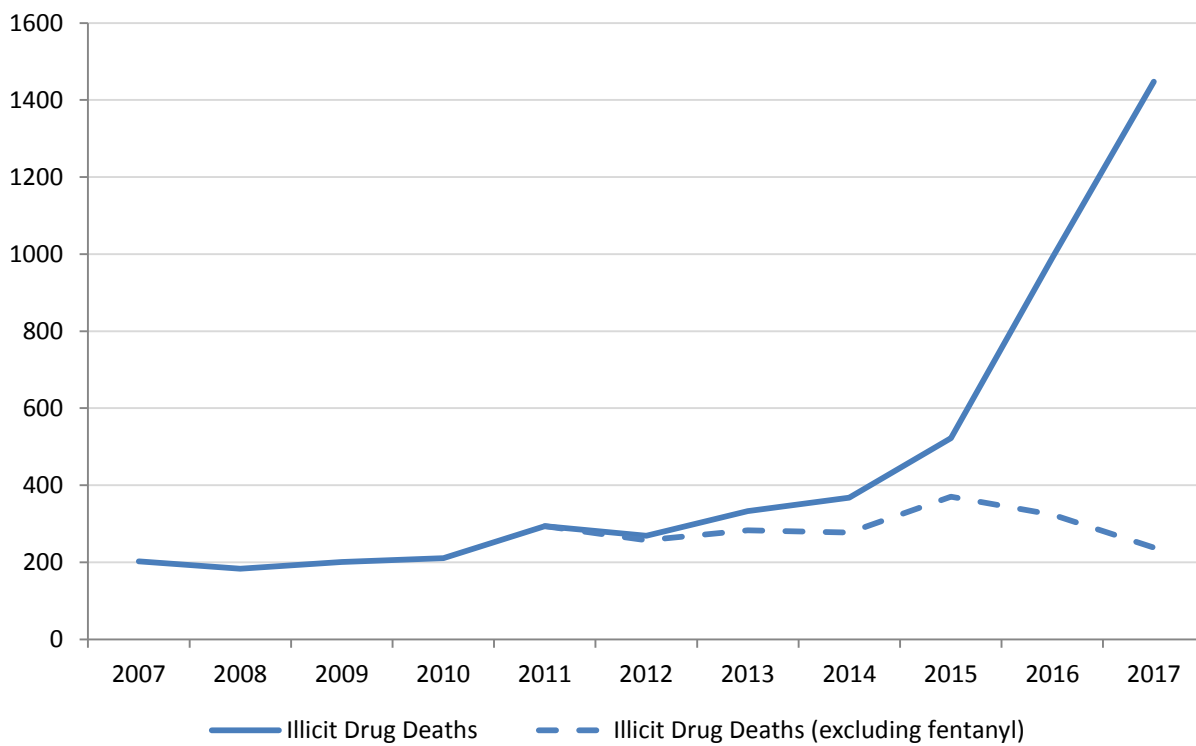
Fatal Illicit Drug Overdoses per Day by Income Assistance Payment Week, 2017-18^[2]

| | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Avg |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Income Assistance Payment Week (Wed-Sun) | 7.6 | 8.6 | 7.0 | 4.8 | 5.6 | 3.6 | 4.6 | 5.6 | 5.2 | 5.4 | 6.0 | 6.8 | 5.9 |
| All other days of the month | 4.5 | 3.7 | 3.5 | 3.7 | 3.6 | 3.0 | 2.8 | 3.1 | 2.8 | 3.9 | 3.1 | 4.9 | 3.6 |
| Total | 5.0 | 4.5 | 4.1 | 3.8 | 3.9 | 3.1 | 3.1 | 3.5 | 3.2 | 4.7 | 4.4 | 4.2 | 4.0 |

Type of Drugs:

- Preliminary data suggests that the proportion of illicit drug overdose deaths for which illicit fentanyl was detected (alone or in combination with other drugs) was approximately 84% in 2017 and 83% in 2018.
- Illicit fentanyl-detected deaths appear to account for the increase in illicit drug overdose deaths since 2012 as the number of illicit drug overdose deaths excluding fentanyl-detected has remained relatively stable since 2011 (average of 292 deaths per year). *This data is subject to change as further analogue testing results become available.*

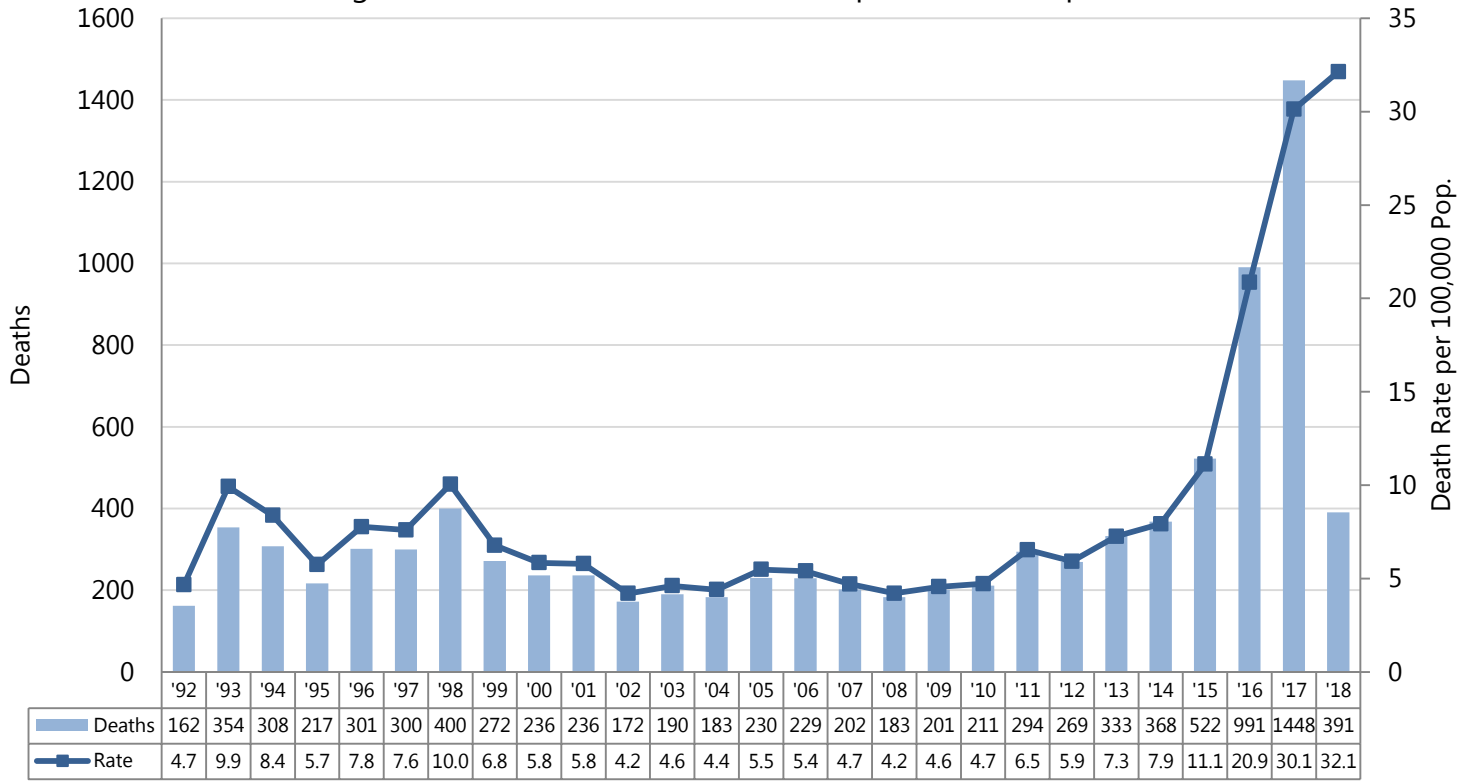
Illicit Drug Overdose Deaths including and excluding Fentanyl, 2007-2017



- A review of completed cases from 2016-17 indicates that the top four detected drugs relevant to illicit drug overdose deaths were fentanyl (72%), cocaine (49%), methamphetamine/amphetamine (33%), and heroin (27%).

BC Data and Rates

Illicit Drug Overdose Deaths and Death Rate per 100,000 Population [2,5]



| Illicit Drug Overdose Deaths by Month, British Columbia, 2008-2018 ^[2] | | | | | | | | | | | |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|
| Month | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| Jan | 18 | 23 | 16 | 24 | 20 | 20 | 23 | 42 | 85 | 147 | 128 |
| Feb | 8 | 15 | 14 | 24 | 17 | 21 | 38 | 31 | 60 | 123 | 102 |
| Mar | 17 | 10 | 15 | 25 | 25 | 33 | 28 | 31 | 76 | 130 | 161 |
| Subtotal | 43 | 48 | 45 | 73 | 62 | 74 | 89 | 104 | 221 | 400 | 391 |
| Apr | 18 | 8 | 9 | 26 | 31 | 31 | 29 | 34 | 72 | 151 | - |
| May | 18 | 19 | 22 | 22 | 19 | 28 | 40 | 41 | 50 | 140 | - |
| Jun | 18 | 16 | 21 | 22 | 25 | 25 | 29 | 34 | 71 | 122 | - |
| Jul | 24 | 19 | 23 | 33 | 29 | 38 | 25 | 37 | 74 | 119 | - |
| Aug | 16 | 27 | 24 | 22 | 19 | 21 | 37 | 53 | 63 | 121 | - |
| Sep | 12 | 16 | 20 | 22 | 16 | 28 | 31 | 48 | 62 | 93 | - |
| Oct | 10 | 13 | 18 | 23 | 19 | 19 | 35 | 53 | 77 | 97 | - |
| Nov | 9 | 18 | 18 | 27 | 28 | 31 | 28 | 51 | 139 | 106 | - |
| Dec | 15 | 17 | 11 | 24 | 21 | 38 | 25 | 67 | 162 | 99 | - |
| Total | 183 | 201 | 211 | 294 | 269 | 333 | 368 | 522 | 991 | 1,448 | 391 |
| Average | 15.3 | 16.8 | 17.6 | 24.5 | 22.4 | 27.8 | 30.7 | 43.5 | 82.6 | 120.7 | 130.3 |

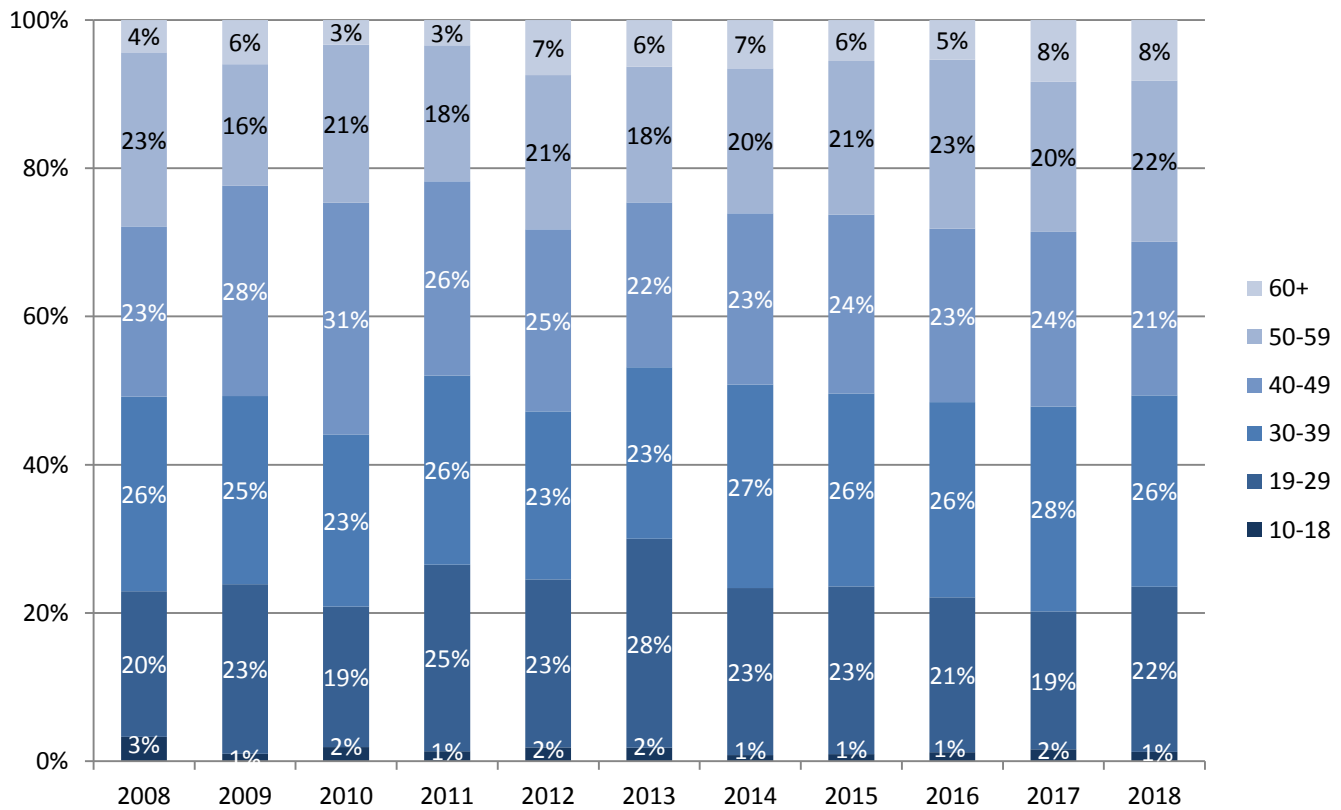
BC Data by Gender/Age:

| Illicit Drug Overdose Deaths by Gender, 2008-2018^[2] | | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|------------|
| Gender | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| Female | 49 | 55 | 49 | 82 | 75 | 79 | 86 | 102 | 198 | 254 | 72 |
| Male | 134 | 146 | 162 | 212 | 194 | 254 | 282 | 420 | 793 | 1,194 | 319 |
| Total | 183 | 201 | 211 | 294 | 269 | 333 | 368 | 522 | 991 | 1,448 | 391 |

| Illicit Drug Overdose Deaths by Age Group, 2008-2018^[2] | | | | | | | | | | | |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|
| Age Group | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| 10-18 | 6 | 2 | 4 | 4 | 5 | 6 | 3 | 5 | 12 | 23 | 5 |
| 19-29 | 36 | 46 | 40 | 74 | 61 | 94 | 83 | 118 | 207 | 270 | 87 |
| 30-39 | 48 | 51 | 49 | 75 | 61 | 77 | 101 | 136 | 261 | 400 | 101 |
| 40-49 | 42 | 57 | 66 | 77 | 66 | 74 | 85 | 126 | 232 | 341 | 81 |
| 50-59 | 43 | 33 | 45 | 54 | 56 | 61 | 72 | 108 | 226 | 293 | 85 |
| 60-69 | 8 | 12 | 7 | 10 | 19 | 21 | 24 | 28 | 50 | 114 | 29 |
| 70-79 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 | 7 | 3 |
| Total | 183 | 201 | 211 | 294 | 269 | 333 | 368 | 522 | 991 | 1448 | 391 |

Note: The age range of decedents of illicit drug overdose between 2007-2017 ranged from 13 to 76 years of age.

Illicit Drug Overdose Deaths by Age Group, 2008-2018



Age-Specific Illicit Drug Overdose Death Rates per 100,000, 2008-2018^[5,7]

| Age Group | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|--------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|
| 10-18 | 1.3 | 0.4 | 0.9 | 0.9 | 1.1 | 1.3 | 0.7 | 1.1 | 2.7 | 5.2 | 4.7 |
| 19-29 | 5.5 | 6.9 | 5.9 | 10.9 | 8.9 | 13.7 | 11.9 | 16.8 | 29.3 | 37.6 | 48.0 |
| 30-39 | 8.2 | 8.6 | 8.3 | 12.6 | 10.1 | 12.6 | 16.2 | 21.6 | 40.7 | 61.2 | 60.5 |
| 40-49 | 6.1 | 8.3 | 9.7 | 11.4 | 9.9 | 11.3 | 13.2 | 19.8 | 36.7 | 53.8 | 51.0 |
| 50-59 | 6.8 | 5.1 | 6.8 | 8.0 | 8.2 | 8.8 | 10.3 | 15.3 | 32.2 | 41.9 | 48.9 |
| 60-69 | 1.8 | 2.6 | 1.5 | 2.0 | 3.7 | 3.9 | 4.3 | 4.8 | 8.4 | 18.7 | 18.6 |
| 70-79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.3 | 0.9 | 1.9 | 3.0 |
| Total | 4.2 | 4.6 | 4.7 | 6.5 | 5.9 | 7.3 | 7.9 | 11.1 | 20.9 | 30.1 | 32.1 |

BC Data by Township of Injury:

| Illicit Drug Overdose Deaths by Top Townships of Injury in 2017, 2008-2018* [2,4] | | | | | | | | | | | |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|
| Township | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| Vancouver | 38 | 60 | 42 | 69 | 65 | 80 | 101 | 137 | 234 | 366 | 102 |
| Surrey | 20 | 23 | 33 | 42 | 44 | 36 | 44 | 76 | 118 | 177 | 55 |
| Victoria | 29 | 13 | 13 | 17 | 17 | 25 | 20 | 21 | 69 | 91 | 34 |
| Kelowna | 2 | 5 | 9 | 14 | 8 | 12 | 12 | 19 | 49 | 75 | 13 |
| Prince George | 2 | 4 | 1 | 6 | 10 | 7 | 10 | 12 | 19 | 22 | 13 |
| Kamloops | 7 | 7 | 10 | 2 | 5 | 8 | 7 | 7 | 44 | 39 | 12 |
| Langley | 6 | 2 | 3 | 10 | 5 | 10 | 10 | 10 | 31 | 36 | 11 |
| Burnaby | 12 | 8 | 9 | 10 | 10 | 13 | 11 | 16 | 39 | 44 | 10 |
| Nanaimo | 2 | 6 | 4 | 8 | 6 | 20 | 16 | 18 | 29 | 51 | 8 |
| Chilliwack | 4 | 2 | 2 | 8 | 8 | 6 | 6 | 10 | 12 | 23 | 8 |
| Abbotsford | 4 | 4 | 10 | 16 | 7 | 10 | 7 | 27 | 38 | 50 | 7 |
| New Westminster | 4 | 2 | 6 | 6 | 3 | 5 | 9 | 12 | 10 | 24 | 7 |
| Vernon | 1 | 4 | 6 | 7 | 1 | 11 | 6 | 8 | 12 | 21 | 7 |
| Maple Ridge | 2 | 6 | 4 | 4 | 5 | 10 | 14 | 29 | 27 | 33 | 6 |
| Coquitlam | 2 | 5 | 2 | 3 | 6 | 1 | 10 | 11 | 14 | 29 | 6 |
| Other Township | 48 | 50 | 57 | 72 | 69 | 79 | 85 | 109 | 246 | 367 | 92 |
| Total | 183 | 201 | 211 | 294 | 269 | 333 | 368 | 522 | 991 | 1448 | 391 |

*Sorted by 2018 totals. Due to variability in small numbers (cases still under investigation) and protection of privacy reasons in some areas, only the townships currently reporting over 5 suspected cases are shown in this table for 2018.

BC Data by Day of Week:

| Illicit Drug Overdose Deaths by Day of Week of Injury, British Columbia, 2008-2018 ^[2,3] | | | | | | | | | | | |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|
| Day | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| Monday | 21 | 15 | 29 | 39 | 32 | 33 | 38 | 67 | 103 | 177 | 52 |
| Tuesday | 24 | 24 | 26 | 27 | 35 | 42 | 37 | 63 | 117 | 168 | 53 |
| Wednesday | 25 | 31 | 30 | 35 | 37 | 36 | 49 | 69 | 132 | 192 | 49 |
| Thursday | 25 | 27 | 33 | 51 | 34 | 41 | 60 | 74 | 155 | 211 | 70 |
| Friday | 31 | 28 | 33 | 42 | 32 | 57 | 59 | 77 | 138 | 249 | 54 |
| Saturday | 34 | 34 | 35 | 53 | 46 | 72 | 72 | 89 | 185 | 231 | 62 |
| Sunday | 23 | 42 | 25 | 47 | 53 | 52 | 53 | 83 | 161 | 220 | 51 |
| Total | 183 | 201 | 211 | 294 | 269 | 333 | 368 | 522 | 991 | 1448 | 391 |

Health Authority Data:

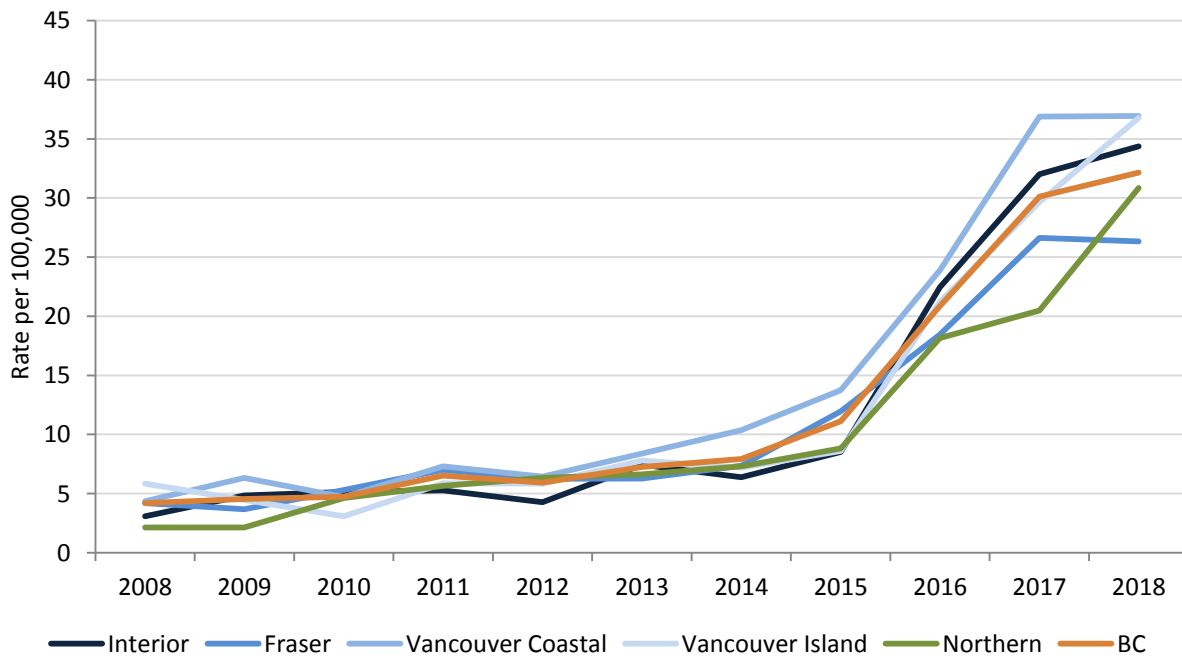
Illicit Drug Overdose Deaths by Health Authority, 2008-2018^[2,4,6]

| HA | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|-------------------|------|------|------|------|------|------|------|------|------|-------|------|
| Interior | 22 | 35 | 37 | 38 | 31 | 54 | 47 | 63 | 167 | 240 | 65 |
| Fraser | 65 | 58 | 86 | 115 | 104 | 106 | 126 | 209 | 329 | 482 | 121 |
| Vancouver Coastal | 47 | 69 | 52 | 81 | 72 | 95 | 119 | 159 | 279 | 435 | 110 |
| Vancouver Island | 43 | 33 | 23 | 44 | 44 | 59 | 55 | 66 | 165 | 233 | 73 |
| Northern | 6 | 6 | 13 | 16 | 18 | 19 | 21 | 25 | 51 | 58 | 22 |
| BC | 183 | 201 | 211 | 294 | 269 | 333 | 368 | 522 | 991 | 1,448 | 391 |

Illicit Drug Overdose Death Rates by Health Authority per 100,000, 2008-2018^[4-7]

| HA | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|
| Interior | 3.1 | 4.9 | 5.2 | 5.3 | 4.3 | 7.5 | 6.4 | 8.5 | 22.5 | 32.0 | 34.4 |
| Fraser | 4.2 | 3.7 | 5.3 | 7.0 | 6.2 | 6.3 | 7.4 | 12.0 | 18.5 | 26.6 | 26.3 |
| Vancouver Coastal | 4.4 | 6.3 | 4.7 | 7.3 | 6.4 | 8.4 | 10.4 | 13.7 | 23.9 | 36.9 | 36.9 |
| Vancouver Island | 5.9 | 4.5 | 3.1 | 5.9 | 5.8 | 7.8 | 7.2 | 8.6 | 21.2 | 29.7 | 36.8 |
| Northern | 2.1 | 2.1 | 4.6 | 5.7 | 6.3 | 6.6 | 7.3 | 8.8 | 18.2 | 20.5 | 30.8 |
| BC | 4.2 | 4.6 | 4.7 | 6.5 | 5.9 | 7.3 | 7.9 | 11.1 | 20.9 | 30.1 | 32.1 |

Illicit Drug Overdose Death Rates by Health Authority, 2008-2018



| Illicit Drug Overdose Deaths by Month of Death and Health Authority and Township, 2017-2018 ^[4,6,8] | | | | | | | | |
|--|-------|--------------------|--------|-------------------|------------------|----------|-----------|--------|
| Year | Month | Health Authorities | | | | | Township | |
| | | Interior | Fraser | Vancouver Coastal | Vancouver Island | Northern | Vancouver | Surrey |
| 2017 | Jan | 18 | 48 | 58 | 19 | 4 | 53 | 13 |
| | Feb | 20 | 37 | 36 | 25 | 5 | 32 | 15 |
| | Mar | 22 | 43 | 35 | 24 | 6 | 26 | 14 |
| | Apr | 18 | 49 | 57 | 21 | 6 | 45 | 12 |
| | May | 26 | 55 | 39 | 13 | 7 | 33 | 21 |
| | Jun | 21 | 36 | 37 | 24 | 4 | 30 | 13 |
| | Jul | 29 | 40 | 29 | 17 | 4 | 23 | 21 |
| | Aug | 27 | 37 | 29 | 20 | 8 | 23 | 18 |
| | Sep | 13 | 33 | 26 | 18 | 3 | 24 | 13 |
| | Oct | 15 | 37 | 22 | 21 | 2 | 18 | 12 |
| | Nov | 17 | 41 | 33 | 12 | 3 | 29 | 16 |
| | Dec | 14 | 26 | 34 | 19 | 6 | 30 | 9 |
| 2018 | Jan | 19 | 37 | 38 | 29 | 5 | 34 | 15 |
| | Feb | 24 | 39 | 19 | 16 | 4 | 18 | 21 |
| | Mar | 22 | 45 | 53 | 28 | 13 | 50 | 19 |
| Total | | 305 | 603 | 545 | 306 | 80 | 468 | 232 |
| Average | | 20.3 | 40.2 | 36.3 | 20.4 | 5.3 | 31.2 | 15.5 |

| Illicit Drug Overdose Deaths by Health Services Delivery Area, 2008-2018 ^[2,4,6] | | | | | | | | | | | |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|------------|
| HSDA | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| East Kootenay | 2 | 1 | 0 | 1 | 2 | 4 | 4 | 2 | 13 | 6 | 0 |
| Kootenay Boundary | 0 | 2 | 3 | 4 | 4 | 2 | 3 | 6 | 10 | 18 | 4 |
| Okanagan | 9 | 15 | 18 | 28 | 16 | 33 | 27 | 42 | 78 | 151 | 38 |
| Thompson Cariboo | 11 | 17 | 16 | 5 | 9 | 15 | 13 | 13 | 66 | 65 | 23 |
| Fraser East | 14 | 9 | 22 | 31 | 20 | 20 | 16 | 42 | 66 | 104 | 17 |
| Fraser North | 22 | 23 | 26 | 25 | 30 | 35 | 51 | 74 | 102 | 145 | 31 |
| Fraser South | 29 | 26 | 38 | 59 | 54 | 51 | 59 | 93 | 161 | 233 | 73 |
| Richmond | 1 | 3 | 4 | 4 | 1 | 3 | 3 | 6 | 14 | 27 | 3 |
| Vancouver | 38 | 60 | 42 | 69 | 65 | 80 | 101 | 137 | 234 | 366 | 102 |
| North Shore/Coast Garibaldi | 8 | 6 | 6 | 8 | 6 | 12 | 15 | 16 | 31 | 42 | 5 |
| South Vancouver Island | 31 | 15 | 13 | 17 | 20 | 26 | 23 | 24 | 79 | 103 | 43 |
| Central Vancouver Island | 6 | 13 | 6 | 17 | 20 | 24 | 25 | 30 | 58 | 93 | 22 |
| North Vancouver Island | 6 | 5 | 4 | 10 | 4 | 9 | 7 | 12 | 28 | 37 | 8 |
| Northwest | 2 | 0 | 3 | 1 | 0 | 6 | 2 | 6 | 10 | 8 | 1 |
| Northern Interior | 3 | 5 | 7 | 8 | 12 | 8 | 11 | 15 | 24 | 32 | 16 |
| Northeast | 1 | 1 | 3 | 7 | 6 | 5 | 8 | 4 | 17 | 18 | 5 |
| Total | 183 | 201 | 211 | 294 | 269 | 333 | 368 | 522 | 991 | 1,448 | 391 |

| Illicit Drug Overdose Death Rates by Health Services Delivery Area per 100,000, 2008-2018^[4-7] | | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|
| HSDA | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| East Kootenay | 2.6 | 1.3 | 0.0 | 1.3 | 2.6 | 5.2 | 5.1 | 2.6 | 16.6 | 7.7 | 0.0 |
| Kootenay Boundary | 0.0 | 2.6 | 3.9 | 5.1 | 5.1 | 2.6 | 3.8 | 7.6 | 12.7 | 22.8 | 20.2 |
| Okanagan | 2.6 | 4.3 | 5.2 | 8.1 | 4.6 | 9.4 | 7.6 | 11.7 | 21.5 | 41.1 | 40.9 |
| Thompson Cariboo | 5.1 | 7.8 | 7.4 | 2.3 | 4.1 | 6.8 | 5.9 | 5.8 | 29.5 | 28.9 | 40.6 |
| Fraser East | 5.1 | 3.2 | 7.8 | 10.9 | 7.0 | 7.0 | 5.5 | 14.2 | 21.9 | 34.1 | 22.0 |
| Fraser North | 3.8 | 3.8 | 4.2 | 4.0 | 4.8 | 5.5 | 7.9 | 11.3 | 15.4 | 21.5 | 18.1 |
| Fraser South | 4.2 | 3.7 | 5.3 | 8.0 | 7.2 | 6.7 | 7.6 | 11.7 | 19.7 | 28.1 | 34.6 |
| Richmond | 0.5 | 1.6 | 2.0 | 2.0 | 0.5 | 1.5 | 1.5 | 2.9 | 6.6 | 12.5 | 5.5 |
| Vancouver | 6.1 | 9.6 | 6.6 | 10.9 | 10.1 | 12.3 | 15.3 | 20.6 | 34.8 | 54.0 | 59.6 |
| North Shore/Coast Garibaldi | 3.0 | 2.2 | 2.2 | 2.9 | 2.2 | 4.3 | 5.3 | 5.7 | 11.0 | 14.7 | 7.0 |
| South Vancouver Island | 8.6 | 4.1 | 3.5 | 4.6 | 5.4 | 7.0 | 6.2 | 6.4 | 20.6 | 26.6 | 44.0 |
| Central Vancouver Island | 2.3 | 5.0 | 2.3 | 6.5 | 7.6 | 9.1 | 9.4 | 11.2 | 21.3 | 33.7 | 31.6 |
| North Vancouver Island | 5.1 | 4.2 | 3.4 | 8.3 | 3.3 | 7.5 | 5.8 | 9.9 | 22.9 | 30.0 | 25.7 |
| Northwest | 2.7 | 0.0 | 4.1 | 1.4 | 0.0 | 8.2 | 2.7 | 8.4 | 14.2 | 11.3 | 5.6 |
| Northern Interior | 2.1 | 3.6 | 5.0 | 5.6 | 8.4 | 5.6 | 7.7 | 10.7 | 17.3 | 23.0 | 45.8 |
| Northeast | 1.5 | 1.5 | 4.5 | 10.4 | 8.6 | 7.1 | 11.2 | 5.6 | 23.5 | 24.6 | 27.0 |
| Total | 4.2 | 4.6 | 4.7 | 6.5 | 5.9 | 7.3 | 7.9 | 11.1 | 20.9 | 30.1 | 32.1 |

BC Data by Place of Injury

| Illicit Drug Overdose Deaths by Place of Injury, BC, 2016-2018 ^[2] | | | |
|---|-------------|-------------|-------------|
| | 2016 | 2017 | 2018 |
| Inside: | | | |
| Private Residence | 617 (62.3%) | 860 (59.4%) | 241 (61.6%) |
| Other Residence | 230 (23.2%) | 356 (24.6%) | 94 (24.0%) |
| Other Inside | 37 (3.7%) | 54 (3.7%) | 19 (4.9%) |
| Outside | 105 (10.6%) | 167 (11.5%) | 33 (8.4%) |
| Unknown | 2 (0.2%) | 11 (0.8%) | 4 (1.0%) |
| Total | 991 | 1448 | 391 |

Preliminary circumstances suggest that the majority of fatal illicit drug overdoses in 2018 occurred in inside locations (90.5%) while 8.4% occurred outside.

Private Residence – includes driveways garages, trailer homes and either decedent’s own or another’s residence.

Other Residence - includes hotels, motels, rooming houses, shelters, etc.

Other Inside – includes facilities, occupational sites, public buildings, and businesses.

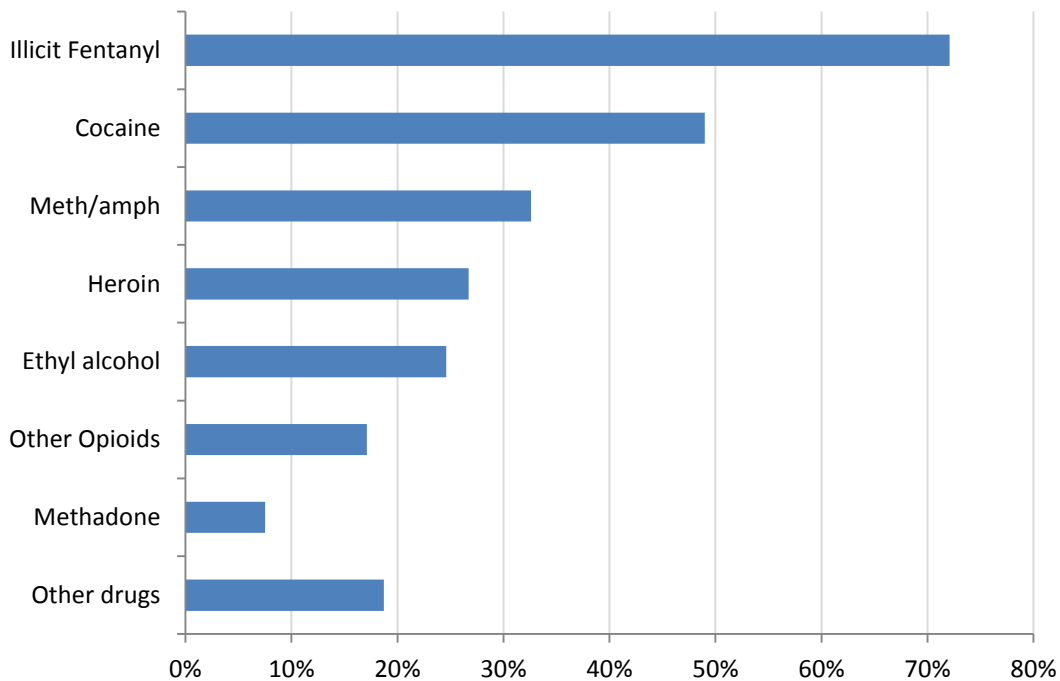
Outside – includes vehicles, streets, sidewalks, parking lots, public parks, wooded areas, and campgrounds

BC Data by Relevant Drugs Detected:

| Top Relevant Drugs Detected Among Illicit Drug Overdose Deaths, 2016-17 | |
|--|-------------------|
| Drug Detected | BC (n=992) |
| Fentanyl | 72.1% |
| Cocaine | 49.0% |
| Meth/amph | 32.6% |
| Heroin | 26.7% |
| Ethyl alcohol | 24.6% |
| Other opioids | 17.1% |
| Methadone | 7.5% |
| Other drugs | 18.7% |

Note: Relevant drugs are drugs noted by the coroner as being relevant to the death (this data is only available for concluded investigations). As deaths could involve multiple drugs, percentages can add up to more than 100%. Meth/amph includes methamphetamine and amphetamine. Other opioids include codeine, oxycodone, morphine, hydromorphone etc but excludes heroin, fentanyl, fentanyl analogues, and methadone. Other drug includes benzodiazepines & Z-drugs, antidepressants, antiepileptics, antipsychotics, MDMA/MDA, cannabinoids, over-the-counter drugs, and other drugs not listed.

Top Relevant Drugs Detected Among Illicit Drug Overdose Deaths, 2016-2017

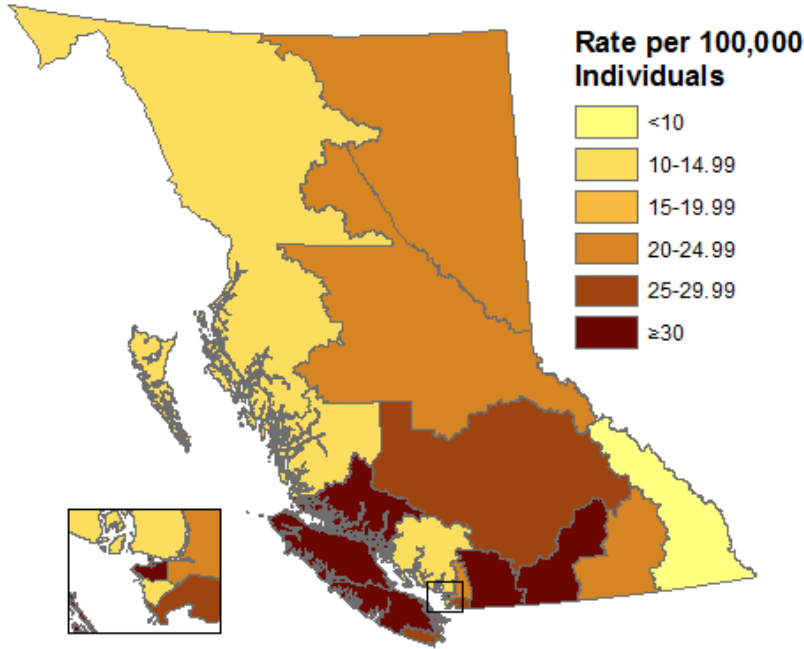


Notes:

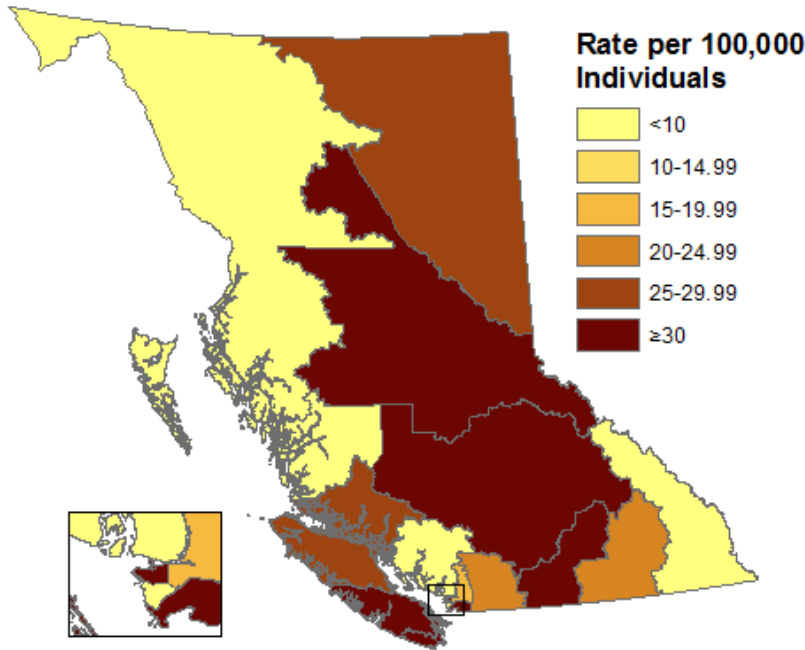
1. The BCCS operates in a live database environment. Some data for more recent years is based on preliminary circumstances and is subject to change as investigations are concluded. Data are not directly comparable to published counts from previous years.
2. 2018 data includes January 1, 2018 to March 31, 2018.
3. Date of death was used in tables where date of injury was unknown.
4. Death township was used in 17 cases of unknown or out of province injury township.
5. Population estimates were taken from:
<http://www.bcstats.gov.bc.ca/StatisticsBySubject/Demography/PopulationEstimates.aspx>
6. Health Region breakdowns can be found at:
<http://www2.gov.bc.ca/gov/content/data/geographic-data-services/land-use/administrative-boundaries/health-boundaries>
7. 2018 population estimates were taken from: <http://www2.gov.bc.ca/gov/content/data/statistics/people-population-community/population/population-projections>.
8. Due to variability in small numbers for cases still under investigation, and in some areas, for protection of privacy reasons, only the townships currently reporting over 5 suspected cases are shown on p. 7.

Illicit Drug Overdose Death Rate Maps by Health Services Delivery Area

2017 Illicit Drug Overdose Death Rates by Health Services Delivery Area



2018 Illicit Drug Overdose Death Rates by Health Services Delivery Area



References for health regions can be found at: <http://www2.gov.bc.ca/gov/content/data/geographic-data-services/land-use/administrative-boundaries/health-boundaries>

List of Townships and Corresponding Health Regions

| Township Name | Health Authority | Health Services Delivery Area |
|-----------------|-------------------|-------------------------------|
| 100 Mile House | Interior | Thompson Cariboo Shuswap |
| 108 Mile Ranch | Interior | Thompson Cariboo Shuswap |
| 150 Mile House | Interior | Thompson Cariboo Shuswap |
| Abbotsford | Fraser | Fraser East |
| Alert Bay | Vancouver Island | North Vancouver Island |
| Armstrong | Interior | Okanagan |
| Arras | Northern | Northeast |
| Beasley | Interior | Kootenay Boundary |
| Beaver Falls | Interior | Kootenay Boundary |
| Blue River | Interior | Thompson Cariboo Shuswap |
| Bowen Island | Vancouver Coastal | North Shore/Coast Garibaldi |
| Bowser | Vancouver Island | Central Vancouver Island |
| Burnaby | Fraser | Fraser North |
| Burns Lake | Northern | Northern Interior |
| Cache Creek | Interior | Thompson Cariboo Shuswap |
| Campbell River | Vancouver Island | North Vancouver Island |
| Canal Flats | Interior | East Kootenay |
| Castlegar | Interior | Kootenay Boundary |
| Cawston | Interior | Okanagan |
| Cedar | Vancouver Island | Central Vancouver Island |
| Central Saanich | Vancouver Island | South Vancouver Island |
| Charlie Lake | Northern | Northeast |
| Chase | Interior | Thompson Cariboo Shuswap |
| Chemainus | Vancouver Island | Central Vancouver Island |
| Chetwynd | Northern | Northeast |
| Chilliwack | Fraser | Fraser East |
| Christina Lake | Interior | Kootenay Boundary |
| Clearwater | Interior | Thompson Cariboo Shuswap |
| Cobble Hill | Vancouver Island | Central Vancouver Island |
| Coldstream | Interior | Okanagan |
| Colwood | Vancouver Island | South Vancouver Island |
| Comox | Vancouver Island | North Vancouver Island |
| Coombs | Vancouver Island | Central Vancouver Island |
| Coquitlam | Fraser | Fraser North |
| Cortes Island | Vancouver Island | North Vancouver Island |
| Courtenay | Vancouver Island | North Vancouver Island |
| Cowichan Bay | Vancouver Island | Central Vancouver Island |
| Cranbrook | Interior | East Kootenay |
| Crescent Valley | Interior | Kootenay Boundary |
| Creston | Interior | East Kootenay |
| Cultus Lake | Fraser | Fraser East |
| Cumberland | Vancouver Island | North Vancouver Island |

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List of Townships and Corresponding Health Regions

| Township Name | Health Authority | Health Services Delivery Area |
|---------------------------|-------------------|-------------------------------|
| Dawson Creek | Northern | Northeast |
| Dease Lake | Northern | Northwest |
| Delta | Fraser | Fraser South |
| Duncan | Vancouver Island | Central Vancouver Island |
| Edgewood | Interior | Kootenay Boundary |
| Elkford | Interior | East Kootenay |
| Enderby | Interior | Okanagan |
| Errington | Vancouver Island | Central Vancouver Island |
| Esquimalt | Vancouver Island | South Vancouver Island |
| Fairmont Hot Springs | Interior | East Kootenay |
| Falkland | Interior | Thompson Cariboo Shuswap |
| Fort Nelson | Northern | Northeast |
| Fort St. James | Northern | Northern Interior |
| Fort St. John | Northern | Northeast |
| Gabriola Island | Vancouver Island | Central Vancouver Island |
| Galiano Island | Vancouver Island | South Vancouver Island |
| Gibsons | Vancouver Coastal | North Shore/Coast Garibaldi |
| Gillies Bay | Vancouver Coastal | North Shore/Coast Garibaldi |
| Gold River | Vancouver Island | North Vancouver Island |
| Golden | Interior | East Kootenay |
| Grand Forks | Interior | Kootenay Boundary |
| Harrison Hot Springs | Fraser | Fraser East |
| Hope | Fraser | Fraser East |
| Horsefly | Interior | Thompson Cariboo Shuswap |
| Houston | Northern | Northwest |
| Invermere | Interior | East Kootenay |
| Isle Pierre | Northern | Northern Interior |
| Kamloops | Interior | Thompson Cariboo Shuswap |
| Kaslo | Interior | Kootenay Boundary |
| Kelowna | Interior | Okanagan |
| Kent | Fraser | Fraser East |
| Kimberley | Interior | East Kootenay |
| Kispiox | Northern | Northwest |
| Kitamaat Village | Northern | Northwest |
| Kitimat | Northern | Northwest |
| Kitseguecla (Gitsegukla) | Northern | Northwest |
| Lac La Hache | Interior | Thompson Cariboo Shuswap |
| Ladysmith | Vancouver Island | Central Vancouver Island |
| Lake Country, District Of | Interior | Okanagan |
| Lake Cowichan | Vancouver Island | Central Vancouver Island |
| Langford | Vancouver Island | South Vancouver Island |
| Langley | Fraser | Fraser South |

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List of Townships and Corresponding Health Regions

| Township Name | Health Authority | Health Services Delivery Area |
|-----------------|-------------------|-------------------------------|
| Lantzville | Vancouver Island | Central Vancouver Island |
| Lee Creek | Interior | Thompson Cariboo Shuswap |
| Lillooet | Interior | Thompson Cariboo Shuswap |
| Lions Bay | Vancouver Coastal | North Shore/Coast Garibaldi |
| Logan Lake | Interior | Thompson Cariboo Shuswap |
| Lumby | Interior | Okanagan |
| Mabel Lake | Interior | Okanagan |
| Mackenzie | Northern | Northern Interior |
| Madeira Park | Vancouver Coastal | North Shore/Coast Garibaldi |
| Malakwa | Interior | Thompson Cariboo Shuswap |
| Maple Ridge | Fraser | Fraser North |
| Mayne Island | Vancouver Island | South Vancouver Island |
| Merritt | Interior | Thompson Cariboo Shuswap |
| Mill Bay | Vancouver Island | Central Vancouver Island |
| Mission | Fraser | Fraser East |
| Nakusp | Interior | Kootenay Boundary |
| Nanaimo | Vancouver Island | Central Vancouver Island |
| Nanoose Bay | Vancouver Island | Central Vancouver Island |
| Nelson | Interior | Kootenay Boundary |
| New Denver | Interior | Kootenay Boundary |
| New Hazelton | Northern | Northwest |
| New Westminster | Fraser | Fraser North |
| North Cowichan | Vancouver Island | Central Vancouver Island |
| North Vancouver | Vancouver Coastal | North Shore/Coast Garibaldi |
| Oak Bay | Vancouver Island | South Vancouver Island |
| Okanagan Falls | Interior | Okanagan |
| Olalla | Interior | Okanagan |
| Oliver | Interior | Okanagan |
| Osoyoos | Interior | Okanagan |
| Parksville | Vancouver Island | Central Vancouver Island |
| Peachland | Interior | Okanagan |
| Pemberton | Vancouver Coastal | North Shore/Coast Garibaldi |
| Pender Island | Vancouver Island | South Vancouver Island |
| Penticton | Interior | Okanagan |
| Pink Mountain | Northern | Northeast |
| Pitt Meadows | Fraser | Fraser North |
| Port Alberni | Vancouver Island | Central Vancouver Island |
| Port Alice | Vancouver Island | North Vancouver Island |
| Port Coquitlam | Fraser | Fraser North |
| Port Hardy | Vancouver Island | North Vancouver Island |
| Port Mcneill | Vancouver Island | North Vancouver Island |
| Port Moody | Fraser | Fraser North |

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List of Townships and Corresponding Health Regions

| Township Name | Health Authority | Health Services Delivery Area |
|----------------------|-------------------|-------------------------------|
| Powell River | Vancouver Coastal | North Shore/Coast Garibaldi |
| Prince George | Northern | Northern Interior |
| Prince Rupert | Northern | Northwest |
| Princeton | Interior | Okanagan |
| Prophet River | Northern | Northeast |
| Quadra Island | Vancouver Island | North Vancouver Island |
| Qualicum Beach | Vancouver Island | Central Vancouver Island |
| Queen Charlotte City | Northern | Northwest |
| Quesnel | Northern | Northern Interior |
| Radium Hot Springs | Interior | East Kootenay |
| Revelstoke | Interior | Thompson Cariboo Shuswap |
| Richmond | Vancouver Coastal | Richmond |
| Roberts Creek | Vancouver Coastal | North Shore/Coast Garibaldi |
| Rock Creek | Interior | Kootenay Boundary |
| Saanich | Vancouver Island | South Vancouver Island |
| Salmo | Interior | Kootenay Boundary |
| Salmon Arm | Interior | Thompson Cariboo Shuswap |
| Salt Spring Island | Vancouver Island | South Vancouver Island |
| Sayward | Vancouver Island | North Vancouver Island |
| Sechelt | Vancouver Coastal | North Shore/Coast Garibaldi |
| Seton Portage | Interior | Thompson Cariboo Shuswap |
| Shawnigan Lake | Vancouver Island | Central Vancouver Island |
| Sicamous | Interior | Thompson Cariboo Shuswap |
| Smithers | Northern | Northwest |
| Sointula | Vancouver Island | North Vancouver Island |
| Sooke | Vancouver Island | South Vancouver Island |
| South Slocan | Interior | Kootenay Boundary |
| South Wellington | Vancouver Island | Central Vancouver Island |
| Sparwood | Interior | East Kootenay |
| Squamish | Vancouver Coastal | North Shore/Coast Garibaldi |
| Sullivan Bay | Vancouver Island | North Vancouver Island |
| Summerland | Interior | Okanagan |
| Surrey | Fraser | Fraser South |
| Terrace | Northern | Northwest |
| Trail | Interior | Kootenay Boundary |
| Tumbler Ridge | Northern | Northeast |
| Ucluelet | Vancouver Island | Central Vancouver Island |
| Vancouver | Vancouver Coastal | Vancouver |
| Vanderhoof | Northern | Northern Interior |
| Vernon | Interior | Okanagan |
| Victoria | Vancouver Island | South Vancouver Island |
| West Kelowna | Interior | Okanagan |

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List of Townships and Corresponding Health Regions

| Township Name | Health Authority | Health Services Delivery Area |
|----------------|-------------------|-------------------------------|
| West Vancouver | Vancouver Coastal | North Shore/Coast Garibaldi |
| Whisky Creek | Vancouver Island | Central Vancouver Island |
| Whistler | Vancouver Coastal | North Shore/Coast Garibaldi |
| White Rock | Fraser | Fraser South |
| Williams Lake | Interior | Thompson Cariboo Shuswap |
| Winlaw | Interior | Kootenay Boundary |
| Wonowon | Northern | Northeast |
| Yale | Fraser | Fraser East |
| Ymir | Interior | Kootenay Boundary |
| Youbou | Vancouver Island | Central Vancouver Island |
| Zeballos | Vancouver Island | North Vancouver Island |