

This report summarizes all unintentional illicit drug toxicity deaths in British Columbia (accidental and undetermined) that occurred between January 1, 2012, and December 31, 2022, inclusive. It includes confirmed and suspected illicit toxicity deaths (inclusion criteria below). *Please note that data is subject to change as investigations are concluded.*<sup>1</sup><https://www2.gov.bc.ca/gov/content/life-events/death/coroners-service/statistical-reports>

**Inclusion Criteria:** The illicit drug toxicity 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.

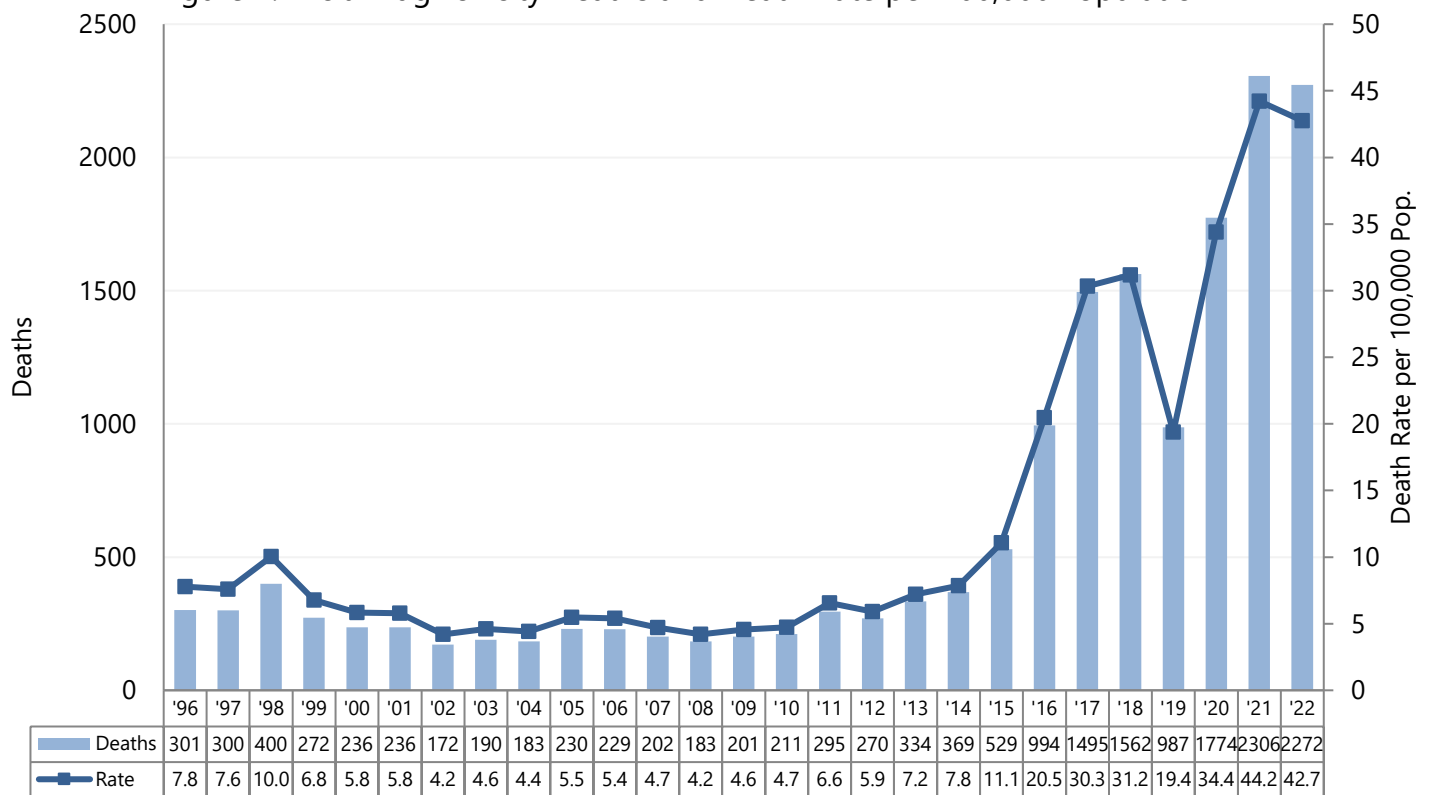
## 2022 Summary

- In 2022, there were 2,272 suspected illicit drug toxicity deaths. This is the second largest number of suspected deaths ever recorded in a calendar year, behind 2021 (2,306).
- In November and December 2022, there were 182 and 210 suspected illicit drug toxicity deaths, respectively.
- The number of illicit drug toxicity deaths in November and December 2022 equates to about 6.4 deaths per day.
- In 2022, 70% of those dying were aged 30 to 59, and 79% were male.
- The townships experiencing the highest number of illicit drug toxicity deaths in 2022 are Vancouver, Surrey, and Greater Victoria (see page 11).
- By Health Authority (HA), in 2022, the highest **number** of illicit drug toxicity deaths were in Fraser and Vancouver Coastal Health Authorities (680 and 637 deaths, respectively), making up 58% of all such deaths during 2022 (see page 12).
- By Health Authority (HA), in 2022, the highest **rates** were in Northern Health (60 deaths per 100,000 individuals) and Vancouver Coastal Health (51 per 100,000). Overall, the rate in BC is 43 deaths per 100,000 individuals in 2022 (see page 12).
- By Health Service Delivery Area (HSDA), in 2022, the highest **rates** were in Vancouver, Northwest, Northern Interior, Thompson Cariboo, and Fraser East (see page 17).

- By Local Health Area (LHA), in **2022**, the highest **rates** were in Vancouver – Centre North, Terrace, Merritt, Hope, and Prince George. (see page 18).
- In 2022, 84% of illicit drug toxicity deaths occurred inside (55% in private residences and 29% in other inside residences including social and supportive housing, SROs, shelters, and hotels and other indoor locations) and 15% occurred outside in vehicles, sidewalks, streets, parks, etc. (see page 5).
- In Vancouver Coastal, other residences (44%) were the most common place of illicit drug toxicity deaths followed by private residences (37%) between 2019 and 2022 (see Table 3, Page 5).
- One death in 2022 occurred at an overdose prevention site (OPS).
- There is no indication that prescribed safe supply is contributing to illicit drug deaths.

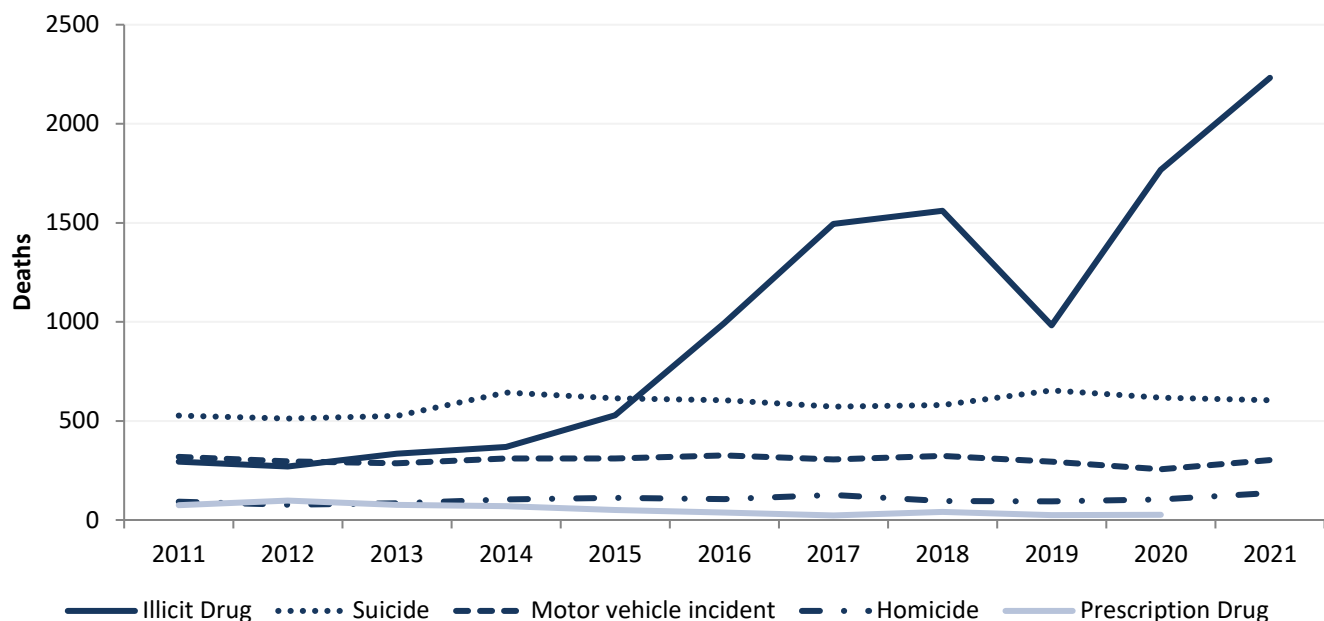
### Trends

- Illicit drug toxicity death rates among all age groups 19+ years have increased in December 2022 compared to November 2022 (see Figure 6, Page 10).
- Rates of male illicit drug toxicity deaths increased in December 2022 compared to November 2022 (see Figure 4, Page 8).
- The proportion of deaths that are 50+ years of age has steadily increased from 2015. In 2022, 38% of decedents were at least 50 years old (see Figure 5, Page 9).
- Illicit drug rates in Fraser, Vancouver Coastal, and Northern health authorities have increased this month compared to last month (see Figure 7, Page 13).
- The detection rate of benzodiazepines has rapidly increased from 15% of expedited toxicological samples in July 2020 to 52% of samples in Jan 2022. It has since gone down to 19% in December 2022.
- Between July 2020 and August 2022, etizolam was found in 35% of illicit drug toxicity deaths that have undergone expedited toxicological testing. Etizolam is a benzodiazepine analogue and non-opioid sedative that does not respond to naloxone and creates life-saving challenges for first responders.

Figure 1: Illicit Drug Toxicity Deaths and Death Rate per 100,000 Population <sup>[2,4]</sup>

**Table 1: Illicit Drug Toxicity Deaths by Month, British Columbia, 2012-2022<sup>[2]</sup>**

Month	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Jan	20	20	23	43	85	148	134	94	80	190	213
Feb	17	21	38	31	58	124	108	84	79	174	201
Mar	25	33	28	32	76	130	159	119	119	175	182
Apr	31	31	29	34	73	155	136	83	129	186	174
May	19	28	40	41	51	149	118	91	178	174	204
Jun	25	25	29	34	71	129	116	75	190	179	152
Jul	29	39	25	40	74	122	151	72	185	200	201
Aug	20	21	37	53	65	127	125	84	163	199	184
Sep	16	28	32	50	63	97	138	63	144	164	182
Oct	19	19	35	53	77	98	119	79	176	216	187
Nov	28	31	28	52	140	112	131	81	168	217	182
Dec	21	38	25	66	161	104	127	62	163	232	210
<b>Total</b>	<b>270</b>	<b>334</b>	<b>369</b>	<b>529</b>	<b>994</b>	<b>1,495</b>	<b>1,562</b>	<b>987</b>	<b>1,774</b>	<b>2,306</b>	<b>2,272</b>
<b>Average</b>	<b>22.5</b>	<b>27.8</b>	<b>30.8</b>	<b>44.1</b>	<b>82.8</b>	<b>124.6</b>	<b>130.2</b>	<b>82.3</b>	<b>147.8</b>	<b>192.2</b>	<b>189.3</b>

**Comparison to Other Common Causes of Unnatural Deaths from 2011 to 2021:****Figure 2: Major Causes of Unnatural Deaths in BC**

*\*Data is preliminary and subject to change. Prescription drug toxicity deaths (accidental and undetermined) include cases where only a prescription drug is involved and reported for closed investigations only to 2020.*

**BC Data by Place of Injury****Table 2: Illicit Drug Toxicity Deaths by Place of Injury, BC, 2019-2022<sup>[2]</sup>**

	2019	2020	2021	2022
Inside:				
Private Residence	567 (57.5%)	1,008 (56.8%)	1,282 (55.6%)	1,251 (55.1%)
Other Residence	263 (26.7%)	461 (26.0%)	572 (24.8%)	536 (23.6%)
Correctional facility/police cell	4 (0.4%)	5 (0.3%)	8 (0.4%)	10 (0.4%)
Medical facility	5 (0.5%)	4 (0.2%)	9 (0.4%)	10 (0.4%)
Occupational site	6 (0.6%)	6 (0.3%)	8 (0.4%)	9 (0.4%)
Public building				
Public washroom	11 (1.1%)	6 (0.3%)	13 (0.6%)	28 (1.2%)
Other area of building	8 (0.8%)	13 (0.7%)	30 (1.3%)	57 (2.5%)
Outside	118 (12.0%)	253 (14.3%)	345 (15.0%)	331 (14.6%)
Unknown	5 (0.5%)	18 (1.0%)	38 (1.6%)	40 (1.8%)
<b>Total</b>	<b>987</b>	<b>1,774</b>	<b>2,306</b>	<b>2,272</b>

**Table 3: Illicit Drug Toxicity Deaths by Place of Injury and Health Authority, BC, 2019-2022<sup>[2]</sup>**

	Interior	Fraser	Vancouver Coastal	Vancouver Island	Northern
Inside:					
Private Residence	739 (61.8%)	1,620 (67.8%)	747 (36.5%)	680 (58.3%)	322 (59.6%)
Other Residence	248 (20.8%)	303 (12.7%)	899 (43.9%)	264 (22.6%)	118 (21.9%)
Other Inside	43 (3.6%)	109 (4.6%)	55 (2.7%)	24 (2.1%)	20 (3.7%)
Outside	145 (12.1%)	336 (14.1%)	305 (14.9%)	184 (15.8%)	77 (14.3%)
Unknown	20 (1.7%)	20 (0.8%)	43 (2.1%)	15 (1.3%)	3 (0.6%)
<b>Total</b>	<b>1,195</b>	<b>2,388</b>	<b>2,049</b>	<b>1,167</b>	<b>540</b>

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

Other Residence – includes hotels, motels, rooming houses, SRO (single room occupancy, shelters, social/supportive housing etc.)

Medical facility – includes hospitals, community care facilities, etc

Occupational site – includes locations where the decedent was at their place of work.

Public buildings – includes restaurants, community centres, businesses, clinics, etc.

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

**BC Data by Drugs Involved:**

- Preliminary data suggests that the proportion of illicit drug toxicity deaths for which illicit fentanyl was detected (alone or in combination with other drugs) was approximately 82% in 2022 and 86% in 2021. *2022 data will change as further toxicology results are received.*
- Post-mortem toxicology results suggest that there has been a greater number of cases with extreme fentanyl concentrations in Apr 2020-Nov 2022 compared with previous months (concentrations exceeding >50ug/L (micrograms/litre).
  - From Apr 2020-Nov 2022, approximately 14% of cases had extreme fentanyl concentrations as compared to 8% from Jan 2019 to Mar 2020.
- Carfentanil has been detected in 126 suspected illicit drug toxicity deaths in 2022 and 192 deaths in 2021. *This is subject to change as further toxicology results are received.*
- A review of completed cases from 2019-22 indicates that the top four detected drugs relevant to illicit drug toxicity deaths were fentanyl (86%), cocaine (45%), methamphetamine/amphetamine (42%), and other opioids (22%).
- There is no indication that prescribed safe supply is contributing to illicit drug deaths.
- Among the drug types involved in completed illicit drug toxicity death investigations, illicit fentanyl has increased from 5% in 2012 to 86% in 2021. Methamphetamine has also increased from 14% in 2012 to 42% in 2021. Cocaine and other opioids have steadily declined from 2012 to 2020; however, cocaine was involved in 46% of illicit drug toxicity deaths in 2021.

**Table 5: Top Drugs Involved Among Illicit Drug Toxicity Deaths, 2019-22**

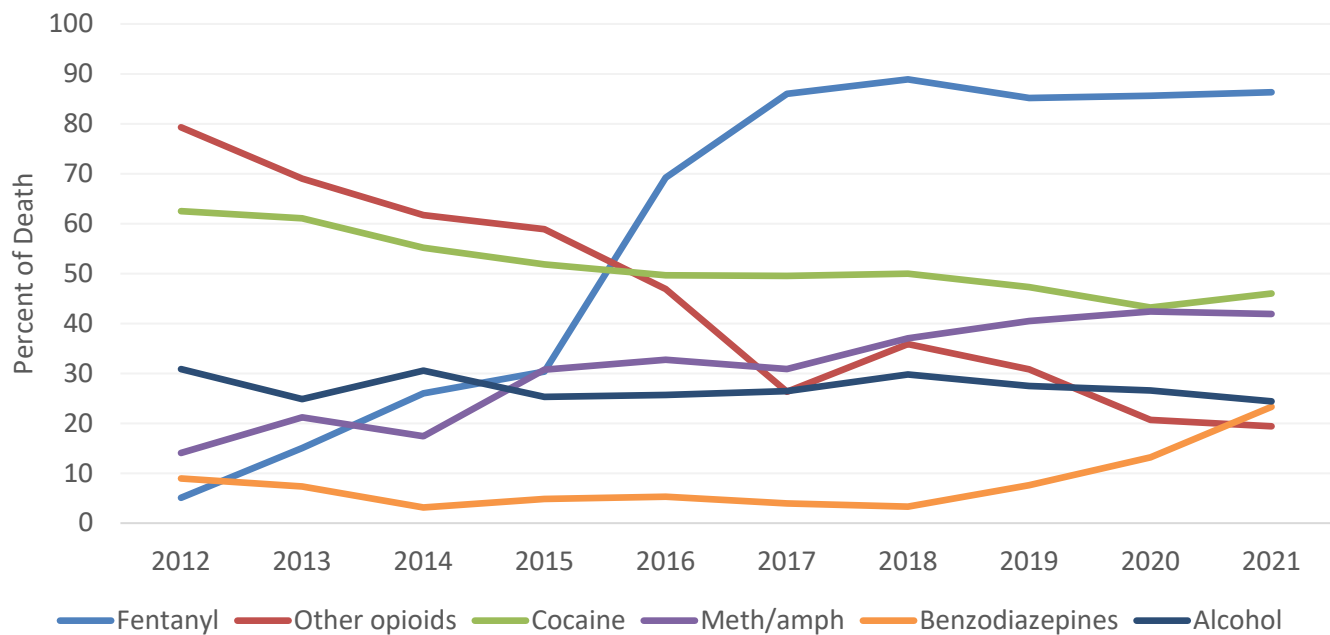
Drug Detected	BC (n=2,648)
Illicit fentanyl & analogues	85.8%
Cocaine	44.5%
Methamphetamine/amphetamine	41.9%
Other opioids	22.4%
Ethyl alcohol	25.7%
Benzodiazepines	15.8%
Other stimulants	2.7%

**Notes:**

Drugs involved are noted by the coroner as being relevant to the death (this data is only available for concluded investigations). Data does not indicate when a substance was taken.

Fentanyl & analogues includes fentanyl, acetylfentanyl, 3-methylfentanyl, furanylfentanyl, carfentanil, cyclopropyl fentanyl, methoxyacetylfentanyl, 4-fluoroisobutyryl fentanyl, and norfentanyl. Meth/amph includes methamphetamine and amphetamine. Other opioids include heroin, codeine, oxycodone, morphine, hydromorphone, methadone, etc but excludes fentanyl and analogues. Other stimulants include MDMA, MDA, paramethoxymethamphetamine, paramethoxyamphetamine, pseudophedrine, methylbenzodioxylbutamine, methylone, methylphenidate, caffeine, and ephedrine.

Figure 3: Drug Types Relevant to Death, 2012-2021



### Income Assistance Week:

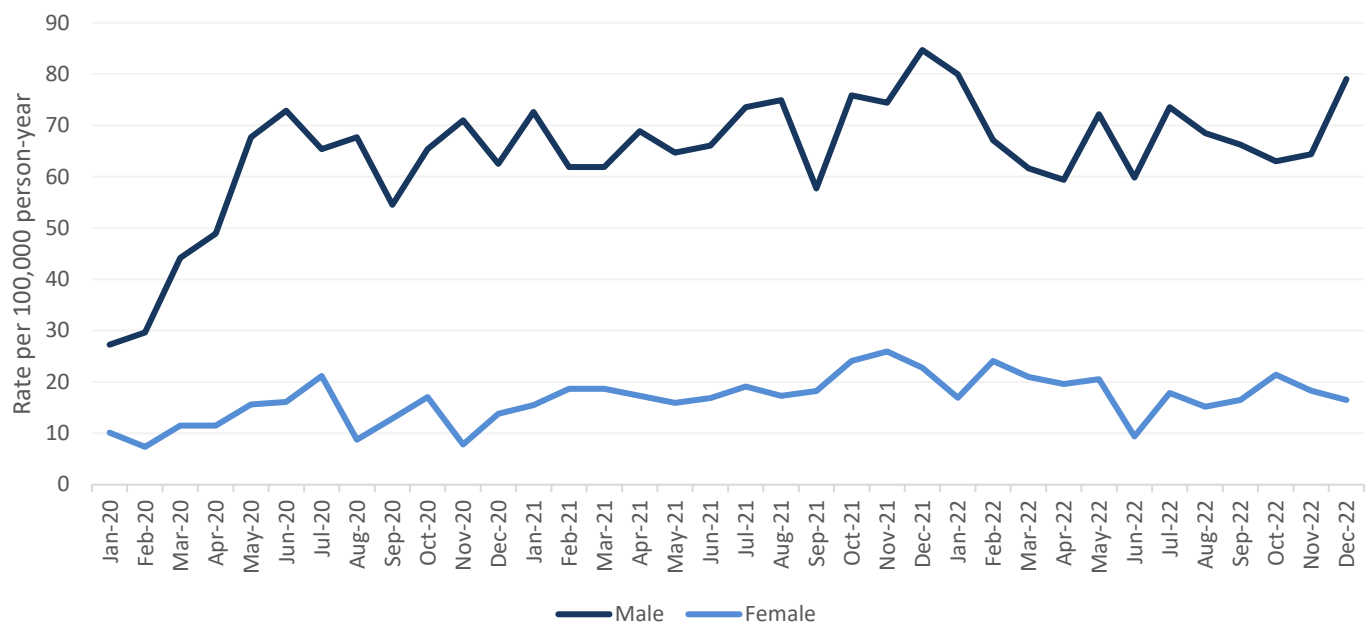
**Table 4: Illicit Drug Toxicity Deaths per day by Income Assistance Payment Week, 2021-2022<sup>[2,3]</sup>**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Income Assistance Payment Week (Wed-Sun)	8.0	9.4	9.4	9.2	10	6.2	8.2	7.4	7.8	8.2	9.0	9.8	8.7
All other days of the month	6.7	6.7	5.2	5.5	5.5	4.8	6.2	5.7	5.7	5.6	5.5	6.2	5.7
Total	6.9	7.2	5.9	6.1	6.3	5.1	6.5	5.9	6.1	6.0	6.1	6.8	6.2

- More illicit drug toxicity deaths occurred during the days following income assistance payment (Wed-Sun) than all other days in 2021-22. Income assistance payment dates can be found at <https://www2.gov.bc.ca/gov/content/family-social-supports/income-assistance/payment-dates>. April 2022 payment week includes May 1.

**BC Data by Sex/Age:****Table 6: Illicit Drug Toxicity Deaths by Sex, 2012-2022<sup>[2]</sup>**

Sex	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Female	76	79	86	106	200	272	316	237	334	506	487
Male	194	255	283	423	794	1,223	1,246	750	1,440	1,799	1,784
Unknown	0	0	0	0	0	0	0	0	0	1	1
<b>Total</b>	<b>270</b>	<b>334</b>	<b>369</b>	<b>529</b>	<b>994</b>	<b>1,495</b>	<b>1,562</b>	<b>987</b>	<b>1,774</b>	<b>2,306</b>	<b>2,272</b>

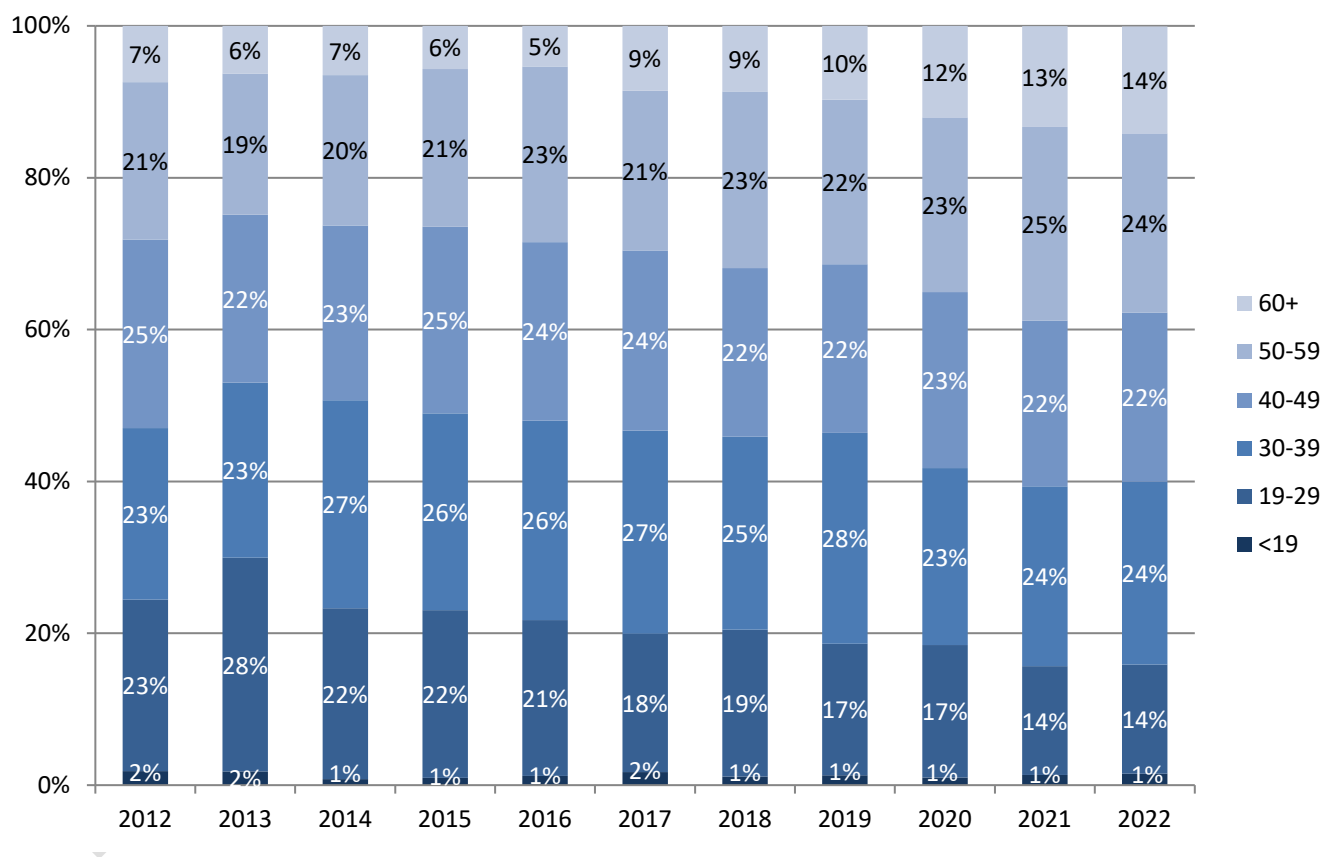
**Figure 4: Illicit Drug Toxicity Death Rates by Sex and Month, 2020-2022****Table 7: Illicit Drug Toxicity Deaths by Age Group, 2012-2022<sup>[2]</sup>**

Age Group	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
<19	5	6	3	5	12	26	18	13	18	31	34
19-29	61	94	83	117	204	272	302	171	309	330	327
30-39	61	77	101	137	261	400	397	274	414	547	547
40-49	67	74	85	130	234	355	347	219	411	503	506
50-59	56	62	73	110	230	314	363	214	408	588	536
60-69	19	21	24	29	50	121	127	92	197	274	291
70-79	1	0	0	1	3	7	8	4	17	32	29
Unknown	0	0	0	0	0	0	0	0	0	1	2
<b>Total</b>	<b>270</b>	<b>334</b>	<b>369</b>	<b>529</b>	<b>994</b>	<b>1,495</b>	<b>1,562</b>	<b>987</b>	<b>1,774</b>	<b>2,306</b>	<b>2,272</b>



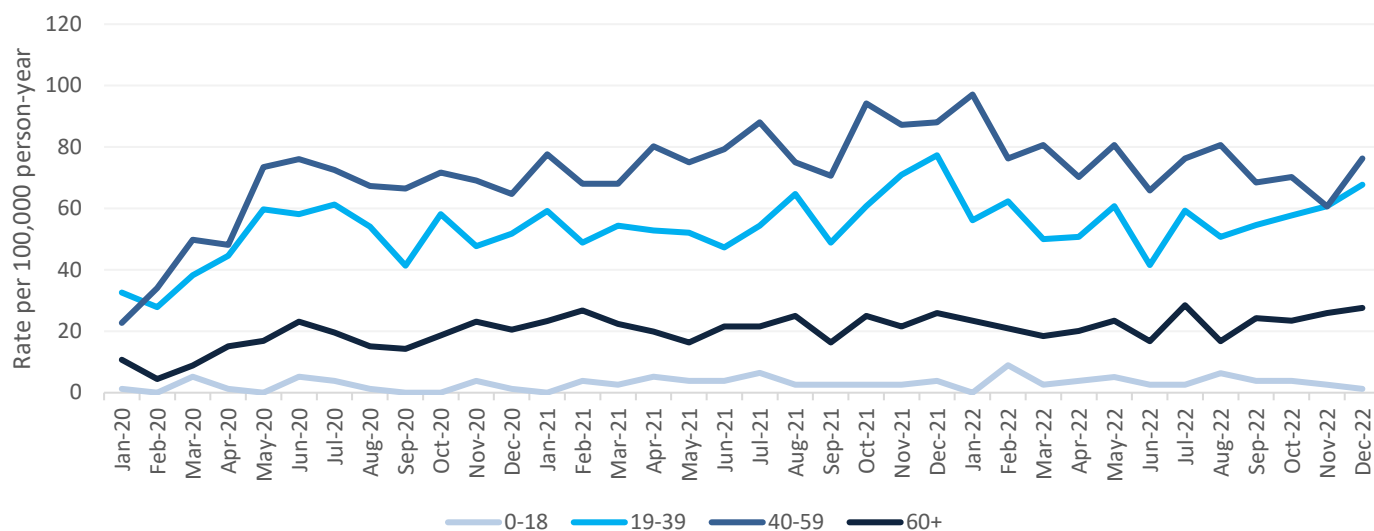
**Table 8: Illicit Drug Toxicity Deaths by Age Group and Month, 2022<sup>[2]</sup>**

Age Group	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<19	0	7	2	3	4	2	2	5	3	3	2	1
19-29	32	21	20	23	26	20	36	30	25	36	21	37
30-39	41	60	45	43	53	34	41	36	46	39	58	51
40-49	54	35	48	44	48	41	42	42	32	43	37	40
50-59	58	53	45	37	45	35	46	51	47	38	33	48
60-69	24	22	22	22	24	19	29	20	27	23	29	30
70-79	4	3	0	2	4	1	4	0	2	4	2	3
Unknown	0	0	0	0	0	0	1	0	0	1	0	0
<b>Total</b>	<b>213</b>	<b>201</b>	<b>182</b>	<b>174</b>	<b>204</b>	<b>152</b>	<b>201</b>	<b>184</b>	<b>182</b>	<b>187</b>	<b>182</b>	<b>210</b>

**Figure 5: Illicit Drug Toxicity Deaths by Age Group, 2012-2022**

**Table 9: Age-Specific Illicit Drug Toxicity Death Rates per 100,000, 2012-2022<sup>[2,4]</sup>**

Age Group	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
<19	0.6	0.7	0.3	0.6	1.3	2.8	1.9	1.4	1.9	3.3	3.6
19-29	8.8	13.5	11.7	16.5	28.5	37.4	40.4	22.3	40.4	43.5	42.5
30-39	10.1	12.6	16.1	21.4	39.7	59.2	57.0	38.0	57.1	71.6	69.2
40-49	10.0	11.1	12.9	19.9	35.8	54.6	53.5	33.8	63.2	76.5	75.3
50-59	8.1	8.8	10.1	15.0	31.1	42.7	49.8	29.5	56.5	81.8	75.3
60-69	3.7	3.9	4.2	4.9	8.1	19.2	19.7	13.9	29.2	39.7	41.3
70-79	0.3	0.0	0.0	0.3	0.9	1.9	2.0	1.0	3.9	7.0	6.1
Total	5.9	7.2	7.8	11.1	20.5	30.3	31.2	19.4	34.4	44.2	42.7

**Figure 6: Illicit Drug Toxicity Death Rates by Age Group and Month, 2020-2022**

**BC Data by Township of Injury:**

Table 10: Illicit Drug Toxicity Deaths by Top Townships of Injury in 2022, 2012-2022 <sup>[2]</sup>											
Township	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Vancouver	65	80	102	138	231	374	398	248	421	542	562
Surrey	44	36	44	76	118	181	215	119	222	290	232
Greater Victoria	21	25	21	26	76	106	124	73	137	141	157
Kamloops	5	8	7	7	44	37	47	26	60	77	90
Abbotsford	7	10	7	27	40	52	41	44	66	87	88
Kelowna	8	12	12	20	47	73	56	34	61	76	87
Prince George	10	7	10	12	18	24	51	25	59	56	81
Nanaimo	6	20	16	18	30	56	38	27	39	54	74
Burnaby	10	13	11	15	40	44	49	29	59	81	69
Chilliwack	8	6	6	10	14	22	37	21	37	58	47
Langley	5	10	10	10	31	37	33	23	37	59	41
Vernon	1	11	6	8	12	24	23	14	28	42	40
Maple Ridge	5	10	14	29	28	33	29	13	39	45	36
Mission	3	3	3	4	8	18	11	12	12	18	33
Coquitlam	6	1	10	11	15	30	22	11	28	31	32
Other Township	66	82	90	118	242	384	388	268	469	649	603
Total	270	334	369	529	994	1,495	1,562	987	1,774	2,306	2,272

**Health Authority Data:****Table 11: Illicit Drug Toxicity Deaths by Health Authority, 2012-2022<sup>[2,5]</sup>**

HA	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Interior	31	54	47	64	169	246	236	140	289	378	388
Fraser	104	106	126	208	335	494	524	326	587	795	680
Vancouver Coastal	72	95	120	160	276	447	453	286	490	636	637
Island	45	60	55	72	162	242	248	168	273	340	386
Northern	18	19	21	25	52	66	101	67	135	157	181
BC	270	334	369	529	994	1,495	1,562	987	1,774	2,306	2,272

**Table 12: Illicit Drug Toxicity Death Rates by Health Authority per 100,000, 2012-2022<sup>[2,4,5]</sup>**

HA	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Interior	4.3	7.4	6.3	8.4	22.0	31.5	29.6	17.3	35.3	45.6	46.0
Fraser	6.2	6.2	7.3	11.8	18.6	27.0	28.2	17.1	30.2	40.3	33.6
Vancouver Coastal	6.4	8.3	10.4	13.7	23.3	37.1	37.1	23.2	39.4	51.3	50.5
Island	5.9	7.8	7.0	9.0	19.9	29.5	29.7	19.8	31.8	39.1	43.6
Northern	6.3	6.5	7.1	8.5	17.8	22.4	34.1	22.4	45.0	52.2	59.5
BC	5.9	7.2	7.8	11.1	20.5	30.3	31.2	19.4	34.4	44.2	42.7

Figure 7: Illicit Drug Toxicity Death Rates by Health Authority and Month, 2020-2022

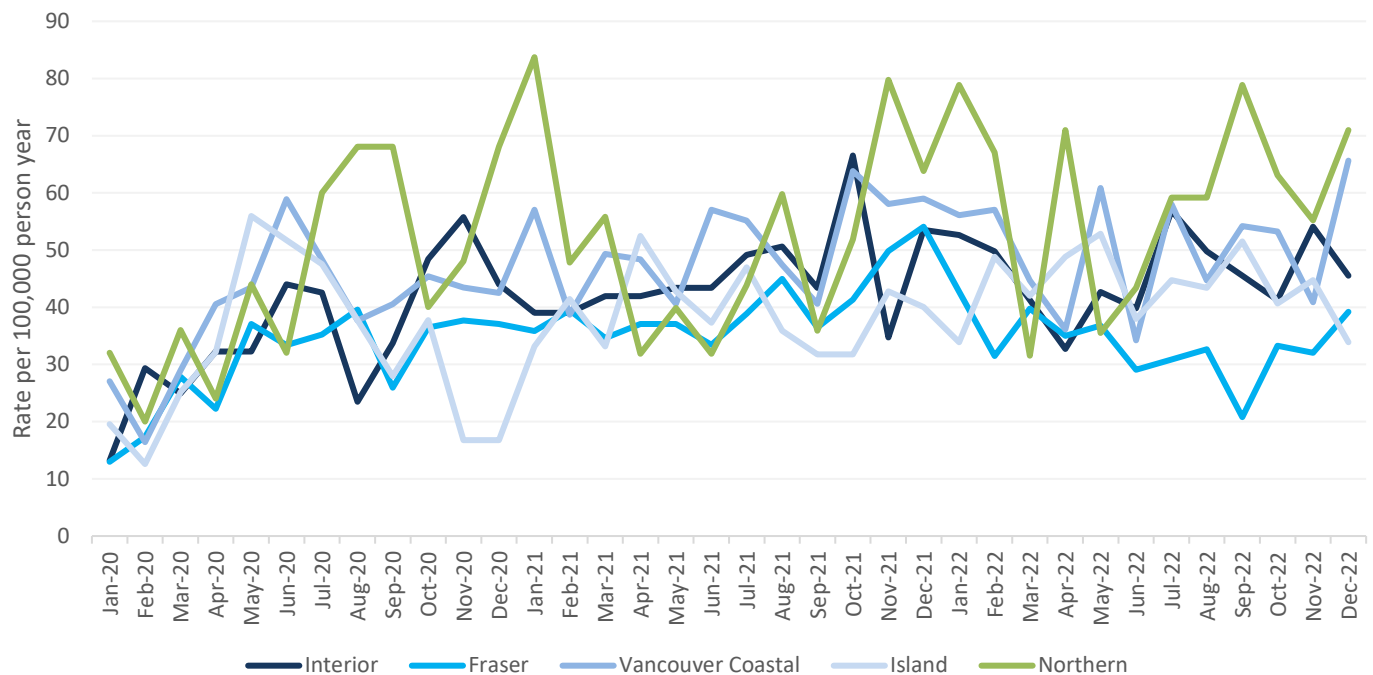
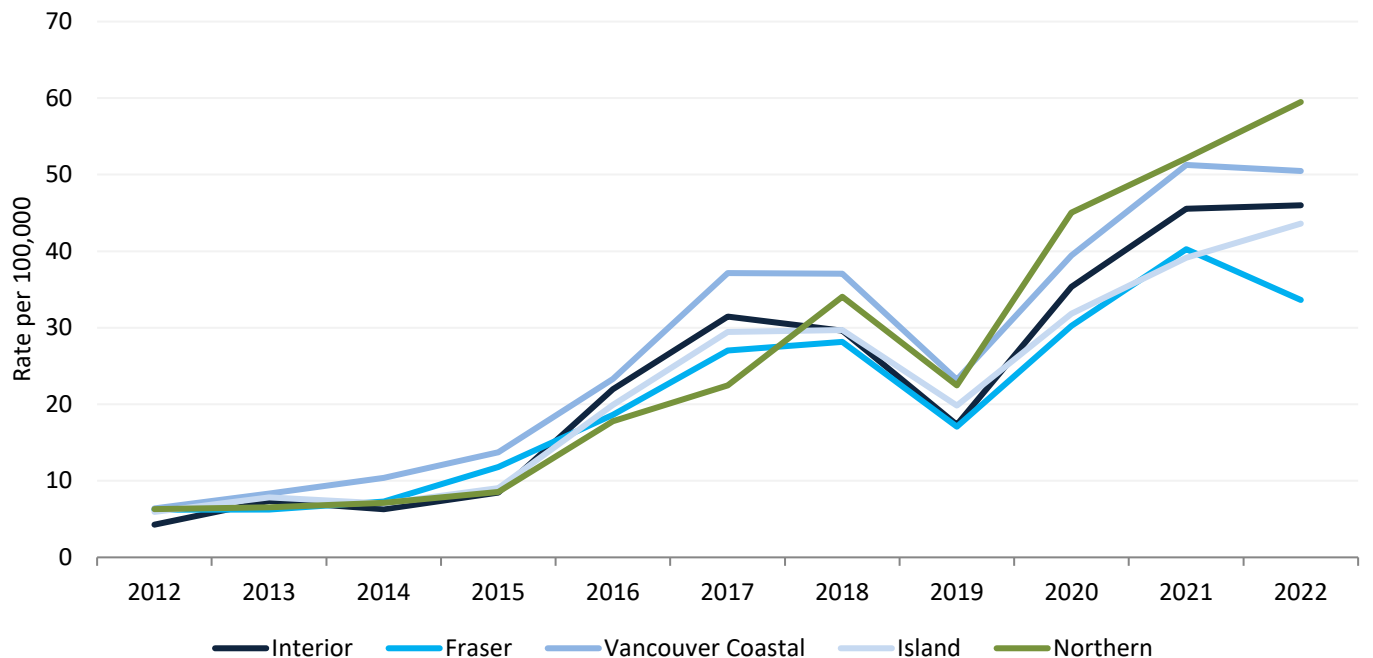


Figure 8: Illicit Drug Toxicity Death Rates by Health Authority, 2012-2022



**Table 13: Illicit Drug Toxicity Deaths by Month of Death and Health Authority and Township, 2021-2022<sup>[2,5]</sup>**

Year	Month	Interior	Fraser	Health Authorities			Township		
				Vancouver Coastal	Island	Northern	Vancouver	Surrey	Greater Victoria
2021	Jan	27	59	59	24	21	47	21	15
	Feb	27	65	40	30	12	35	28	13
	Mar	29	57	51	24	14	39	15	11
	Apr	29	61	50	38	8	44	26	18
	May	30	61	42	31	10	40	23	13
	Jun	30	55	59	27	8	46	16	10
	Jul	34	64	57	34	11	48	21	14
	Aug	35	74	49	26	15	44	28	9
	Sep	30	60	42	23	9	34	23	12
	Oct	46	68	66	23	13	58	27	7
	Nov	24	82	60	31	20	53	28	9
	Dec	37	89	61	29	16	54	34	10
2022	Jan	37	72	59	25	20	50	23	9
	Feb	35	53	60	36	17	51	9	20
	Mar	29	67	47	31	8	44	29	10
	Apr	23	59	38	36	18	31	23	18
	May	30	62	64	39	9	58	19	14
	Jun	28	49	36	28	11	31	18	12
	Jul	40	52	61	33	15	51	19	12
	Aug	35	55	47	32	15	41	18	15
	Sep	32	35	57	38	20	55	16	14
	Oct	29	56	56	30	16	54	19	11
	Nov	38	54	43	33	14	37	20	15
	Dec	32	66	69	25	18	59	19	7
Total		766	1475	1273	726	338	1104	522	298
Average		31.9	61.5	53.0	30.3	14.1	46.0	21.8	12.4

**Table 14: Illicit Drug Toxicity Deaths by Health Services Delivery Area (HSDA), 2012-2022<sup>[2,5]</sup>**

HSDA	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
East Kootenay	2	4	4	2	13	7	6	1	18	23	17
Kootenay Boundary	4	2	3	6	11	17	15	14	22	29	30
Okanagan	16	33	27	43	78	156	130	84	149	176	192
Thompson Cariboo	9	15	13	13	67	66	85	41	100	150	149
Fraser East	20	20	16	42	68	105	98	84	124	180	186
Fraser North	30	35	51	73	105	148	153	85	182	242	191
Fraser South	54	51	59	93	162	241	273	157	281	373	303
Richmond	1	3	3	6	14	28	12	13	19	32	28
Vancouver	65	80	102	138	231	374	398	248	421	542	562
North Shore/Coast Garibaldi	6	12	15	16	31	45	43	25	50	62	47
South Vancouver Island	21	26	23	26	78	106	125	74	139	143	159
Central Vancouver Island	20	25	25	33	57	99	93	65	102	131	159
North Vancouver Island	4	9	7	13	27	37	30	29	32	66	68
Northwest	0	6	2	6	10	8	14	16	18	47	54
Northern Interior	12	8	11	15	24	35	63	34	85	81	101
Northeast	6	5	8	4	18	23	24	17	32	29	26
<b>Total</b>	<b>270</b>	<b>334</b>	<b>369</b>	<b>529</b>	<b>994</b>	<b>1,495</b>	<b>1,562</b>	<b>987</b>	<b>1,774</b>	<b>2,306</b>	<b>2,272</b>

**Table 15: Illicit Drug Toxicity Deaths by HSDA and Month, 2022<sup>[2,5]</sup>**

HSDA	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
East Kootenay	3	2	1	1	0	0	1	1	2	1	3	2
Kootenay Boundary	1	1	1	2	1	3	4	6	2	2	5	2
Okanagan	14	19	12	11	20	13	27	10	20	16	17	13
Thompson Cariboo	19	13	15	9	9	12	8	18	8	10	13	15
Fraser East	18	18	21	13	12	13	11	16	12	12	16	24
Fraser North	23	14	12	18	21	11	16	16	7	19	16	18
Fraser South	31	21	34	28	29	25	25	23	16	25	22	24
Richmond	4	4	1	3	3	2	4	2	1	0	2	2
Vancouver	50	51	44	31	58	31	51	41	55	54	37	59
North Shore/Coast Garibaldi	5	5	2	4	3	3	6	4	1	2	4	8
South Vancouver Island	9	20	10	18	14	12	12	15	15	12	15	7
Central Vancouver Island	10	11	16	11	21	12	11	14	15	12	13	13
North Vancouver Island	6	5	5	7	4	4	10	3	8	6	5	5
Northwest	3	6	4	4	4	1	9	3	5	6	2	7
Northern Interior	12	9	3	11	4	8	5	10	12	7	11	9
Northeast	5	2	1	3	1	2	1	2	3	3	1	2
<b>Total</b>	<b>213</b>	<b>201</b>	<b>182</b>	<b>174</b>	<b>204</b>	<b>152</b>	<b>201</b>	<b>184</b>	<b>182</b>	<b>187</b>	<b>182</b>	<b>210</b>



**Table 16: Illicit Drug Toxicity Death Rates by Health Services Delivery Area per 100,000, 2012-2022<sup>[2,4,5]</sup>**

HSDA	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
East Kootenay	2.6	5.1	5.0	2.4	15.7	8.4	7.1	1.2	20.8	26.3	19.1
Kootenay Boundary	5.1	2.5	3.8	7.4	13.5	20.7	18.1	16.7	26.1	34.1	34.9
Okanagan	4.6	9.3	7.5	11.6	20.8	40.6	33.2	21.1	36.7	42.5	45.5
Thompson Cariboo	4.1	6.8	5.8	5.8	29.3	28.5	35.9	17.1	41.5	61.7	60.5
Fraser East	6.9	6.8	5.4	13.8	22.0	33.2	30.2	25.3	37.0	53.0	53.5
Fraser North	4.8	5.5	7.9	11.1	15.7	21.8	22.2	12.2	25.7	33.8	26.1
Fraser South	7.2	6.6	7.5	11.6	19.7	28.9	32.3	17.9	31.3	40.6	32.2
Richmond	0.5	1.5	1.5	3.0	6.7	13.3	5.6	6.1	8.8	14.8	12.7
Vancouver	10.0	12.2	15.3	20.6	34.0	54.0	56.5	34.8	58.5	76.0	77.6
North Shore/Coast Garibaldi	2.1	4.2	5.2	5.5	10.4	15.0	14.1	8.2	16.3	19.9	14.9
South Vancouver Island	5.6	6.9	6.0	6.6	19.4	26.1	30.3	17.6	32.6	33.1	36.1
Central Vancouver Island	7.6	9.4	9.2	11.9	20.1	34.6	32.0	22.1	34.3	43.6	52.0
North Vancouver Island	3.3	7.4	5.6	10.3	21.2	28.7	22.8	21.8	23.8	48.3	48.9
Northwest	0.0	8.1	2.7	8.0	13.4	10.7	18.7	21.1	23.5	61.0	69.5
Northern Interior	8.4	5.5	7.5	10.3	16.3	23.6	42.0	22.5	56.0	53.3	65.7
Northeast	8.7	7.0	11.0	5.6	25.4	32.4	33.6	23.7	44.7	40.3	35.7
Total	5.9	7.2	7.8	11.1	20.5	30.3	31.2	19.4	34.4	44.2	42.7

**New Table 17: Illicit Drug Toxicity Death Rates (per 100,000 person-years) by Top Local Health Areas (LHA) in 2022, 2017-2022<sup>[2,4,5]</sup>****Rates provided by BCCDC. For the complete list of LHA rates, visit the BC Centre for Disease website (<http://www.bccdc.ca/health-professionals/data-reports/substance-use-harm-reduction-dashboard>)**

	2017	2018	2019	2020	2021	2022	No. of Deaths 2022
Vancouver - Centre North	283.2	321.9	217.6	366.3	452.7	470.8	319
Terrace	14.2	28.3	32.3	45.2	75.9	110.5	25
Merritt	78.5	42.6	25.4	17	119.3	92.6	11
Hope	46.4	45.3	45.2	79.7	100.2	87.9	8
Prince George	26.8	53.6	25.1	57.3	54.3	79	84
Vancouver - City Centre	64.5	51.4	32.8	47.3	63.4	77.6	104
Alberni/Clayoquot	36.8	39.4	32.8	29.6	70.1	75.1	26
Lillooet	*	45.4	*	73.8	99.8	74.7	3
Kamloops	33.3	41.4	22.3	51.3	66.6	73.8	96
Kitimat	0	0	0	10.7	31.6	72.8	7
Cowichan Valley West	15.2	30	29.6	14.5	43.5	71.5	5
Keremeos	56.3	55.3	36.7	72.6	35.1	69.1	4
North Thompson	23.4	45.6	23.2	46.1	139.3	69.1	3
Prince Rupert	14.1	0	14	27.9	34.4	68.1	10
Mission	39	27.4	25.2	25.2	39.4	67	33
Cariboo/Chilcotin	27	34.6	11.5	38.3	38.2	64.5	17
Greater Nanaimo	51.1	34.1	22.5	35.4	45.7	63.8	80
Agassiz/Harrison	48.2	18.7	9.3	9.3	46.3	63.6	7
Vernon	42.7	33.7	19.4	40.9	57.7	60.8	46
Penticton	38.7	35.8	49	37.9	59.6	58.8	27
Greater Campbell River	42.2	30.5	30.1	31.8	52.2	55.5	27
Kettle Valley	27.7	0	0	54.7	82.1	54.4	2
Greater Victoria	38.3	39.8	25.7	47.3	46.5	53	133
Abbotsford	34.9	25.7	27.5	38.7	51.4	52.1	88
Comox Valley	24.2	21	16.5	19	46.8	48.6	37

*Note: \*Data suppressed.*

**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. 2022 data includes January 1, 2022 to December 31, 2022.
3. Date of death was used in tables where date of injury was unknown.
4. Population estimates were taken from:  
<https://www.bcstats.gov.bc.ca/apps/PopulationProjections.aspx>
5. Health Region breakdowns 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

**List of Townships and Corresponding Health Regions**

Township Name	Health Authority	Health Services Delivery Area
Cumberland	Vancouver Island	North Vancouver Island
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

**List of Townships and Corresponding Health Regions**

Township Name	Health Authority	Health Services Delivery Area
Langford	Vancouver Island	South Vancouver Island
Langley	Fraser	Fraser South
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

**List of Townships and Corresponding Health Regions**

Township Name	Health Authority	Health Services Delivery Area
Port Hardy	Vancouver Island	North Vancouver Island
Port McNeill	Vancouver Island	North Vancouver Island
Port Moody	Fraser	Fraser North
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 Slokan	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

**List of Townships and Corresponding Health Regions**

Township Name	Health Authority	Health Services Delivery Area
Vanderhoof	Northern	Northern Interior
Vernon	Interior	Okanagan
Victoria	Vancouver Island	South Vancouver Island
West Kelowna	Interior	Okanagan
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