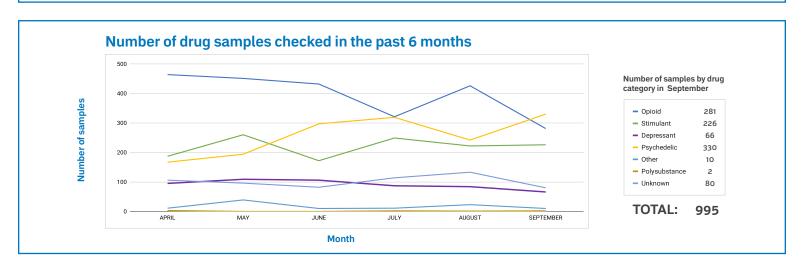
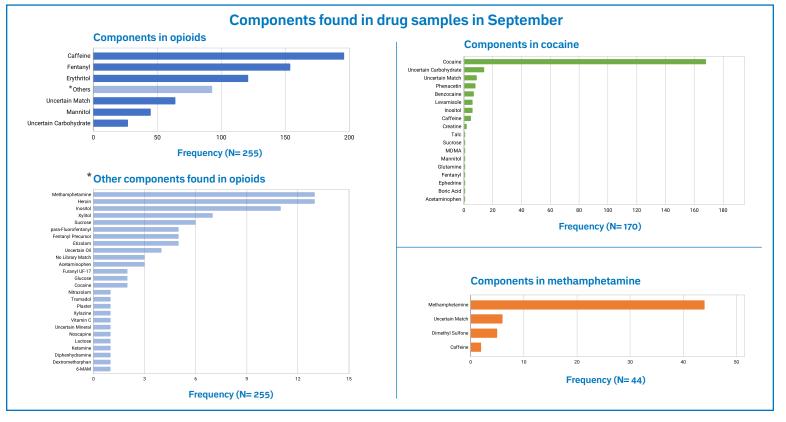
Key Findings

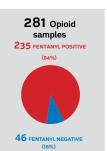
- The percentage of opioids testing positive for benzodiazepines (21%, 59 of 281 samples) increased to its highest point since the start of this project. Etizolam, the predominant benzodiazepine in expected opioids, may be missed by drug checking technologies. This means that the true rate may be higher than reported here.
- Four alerts were issued from drugs checked in Vancouver: benzodiazepine-positive fentanyl linked to prolonged overdoses, N-ethylpentylone sold as MDMA, counterfeit XANAX tablets, and a powder sold as flualprazolam contained fentanyl. See the table below for more information.
- Benzodiazepines confirmed in expected opioid samples in the last 3 months included etizolam, flualprazolam, and clonazolam. Both clonazolam and flualprazplam are potent unregulated benzodiazepines. Benzodiazepineadulterated opioids increase the risk of overdose and can cause prolonged sedation.

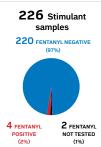


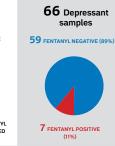


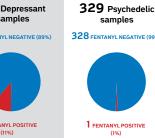


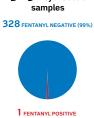
Number of samples tested with fentanyl present

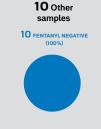


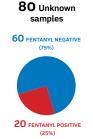


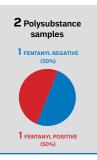














PUBLIC HEALTH NOTIFICATIONS

Date & Location	Expected Drug	Drugs Detected	Fentanyl Strip	Benzo Strip	Area Purchased	Alert Message
September 13, 2021 Get Your Drugs Tested Vancouver	Alprazolam (XANAX)	Microcrystalline cellulose	Positive	Negative	Vancouver	Fentanyl can cause opioid toxicity especially for opioid-naïve individuals. Combining depressants also increases the risk of overdose.
September 13, 2021 Get Your Drugs Tested Vancouver	Flualprazolam	Flualprazolam, Uncertain match	Positive	Positive	Unknown	Fentanyl can cause opioid toxicity especially for opioid-naïve individuals. Combining depressants also increases the risk of overdose.
September 7, 2021 Get Your Drugs Tested Vancouver	MDMA	Dimethyl sulfone, N-ethylpentylone	Negative	Negative	Vancouver	This synthetic cathinone is associated with health harms including overdose.
September 3, 2021 Overdose Prevention Society Vancouver	Alprazolam (XANAX)	Microcrystalline cellulose	Positive	Positive	Vancouver	Benzodiazepines combined with opioids can cause prolonged sedation and increases the risk of overdose.

To receive drug contamination alerts, text "alert" to (236) 999-DOPE (3673)

Percentage of opioids testing positive for benzodiazepines in the past 6 months



During the month of September, 21.0% of expected opioid samples tested positive for benzodiazepines using test strips in our partner sites in Vancouver Coastal Health (59 samples of 281 checked). Opioid samples are checked for benzodiazepine-positivity using BTNX test strips and the FTIR spectrometer. The results presented here are derived from both of these technologies and are presumptive until confirmed by a laboratory.

Number of drug checks and hours at each site

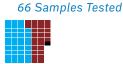
Location	# of Drugs Checked		
Get Your Drugs Tested	899		
Insite	12		
Overdose Prevention Society OPS	84		
Total	995		

Number of samples that matched expectation

using FTIR/test strip drug checking

EXPECTED DRUG:

Depressant



Matched: 38 Did not match: 27

Match not determined: 1

EXPECTED DRUG: Unknown

80 Samples Tested



Match not determined: 80

EXPECTED DRUG:

Psychedelic

330 Samples Tested



Matched: 262
Did not match: 60
Match not determined: 8

EXPECTED DRUG:

Opioid

281 Samples Tested



Matched: 243
Did not match: 29
Match not determined: 9

EXPECTED DRUG:

Stimulant

226 Samples Tested



Matched: 222 Did not match: 4 **EXPECTED DRUG:**

Polysubstance
2 Samples Tested

Matched: 1 Did not match: 1

EXPECTED DRUG:

Other

10 Sample Tested



Matched: 5
Did not match: 1

Match not determined: 4

Total

995 Samples Tested



Matched: 771
Did not match: 122

Match not determined: 102

Please note that the presence of the expected substance does not imply purity, as samples frequently contain adulterating cutting agents

Number of opioid samples that matched expectation

using FTIR/test strip drug checking

EXPECTED DRUG:

Fentanyl

102 Samples Tested



Matched: 96 Did not match: 4

Match not determined: 2

EXPECTED DRUG:

Down

139 Samples Tested



Matched: 128
Did not match: 11

EXPECTED DRUG:

Heroin

13 Samples Tested



Matched: 6
Did not match: 7

EXPECTED DRUG:

Other Opioid

1 Samples Tested

Match not determined: 1

EXPECTED DRUG:

Pharmaceutical

25 Samples Tested



Matched: 13 Did not match: 5

Match not determined: 7

EXPECTED DRUG:

Fentanyl and Heroin

1 Samples Tested

Did not match: 1

Total

281 Samples Tested



Matched: 243
Did not match: 29
Match not determined: 9

Please note that the presence of the expected substance does not imply purity, as samples frequently contain adulterating cutting agents. 'Down' can refer to any opioid drug present in any amount.

Data represented here are collected from our partner sites across the province. Drug samples are tested using the Fourier Transform Infrared (FTIR) spectrometer in combination with fentanyl test strips and benzodiazapine test strips.

There is 5% fentanyl detection limit on the FTIR spectrometer (McCrae, 2019), and a drug check on any given sample consists of <u>both</u> the FTIR <u>and</u> BTNX fentanyl immunoassay test strip testing done in combination. When applicable, BTNX benzodiazepine immunoassay test strips are also used.

BCCSU gratefully acknowledges the contributions of the following partners:

























