

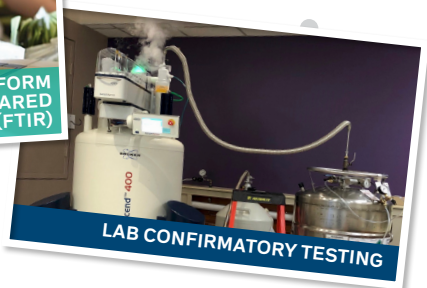


# Drug Checking Fentanyl Quantification Model

## WHAT DID WE DO?

We created a machine-learning model to estimate fentanyl concentrations in unregulated opioid samples, using drug checking data and confirmatory testing results.

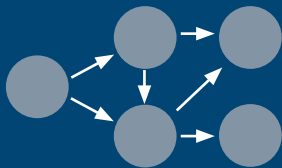
## WHAT WE USED:



## WHAT WE FOUND:



The model could estimate **fentanyl and fluorofentanyl** concentrations in FTIR



Different quantification models are needed for different types of samples.

## WHY DOES THIS MATTER?

Knowing the fentanyl concentration of a sample is important to people who use opioids. The model is an important tool in drug checking services and can give important information on the concentration and trends in the drug supply over time.

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