

Since this report was commissioned in April, 2022...

Unintentional deaths reported, Edmonton: **875**

(all substances, April 2022 to July 2023*)

→ 86% (751) involved a non-pharmaceutical opioid

Number of EMS opioid responses, Edmonton: **6600**

(April 18, 2022 to October 22, 2023)

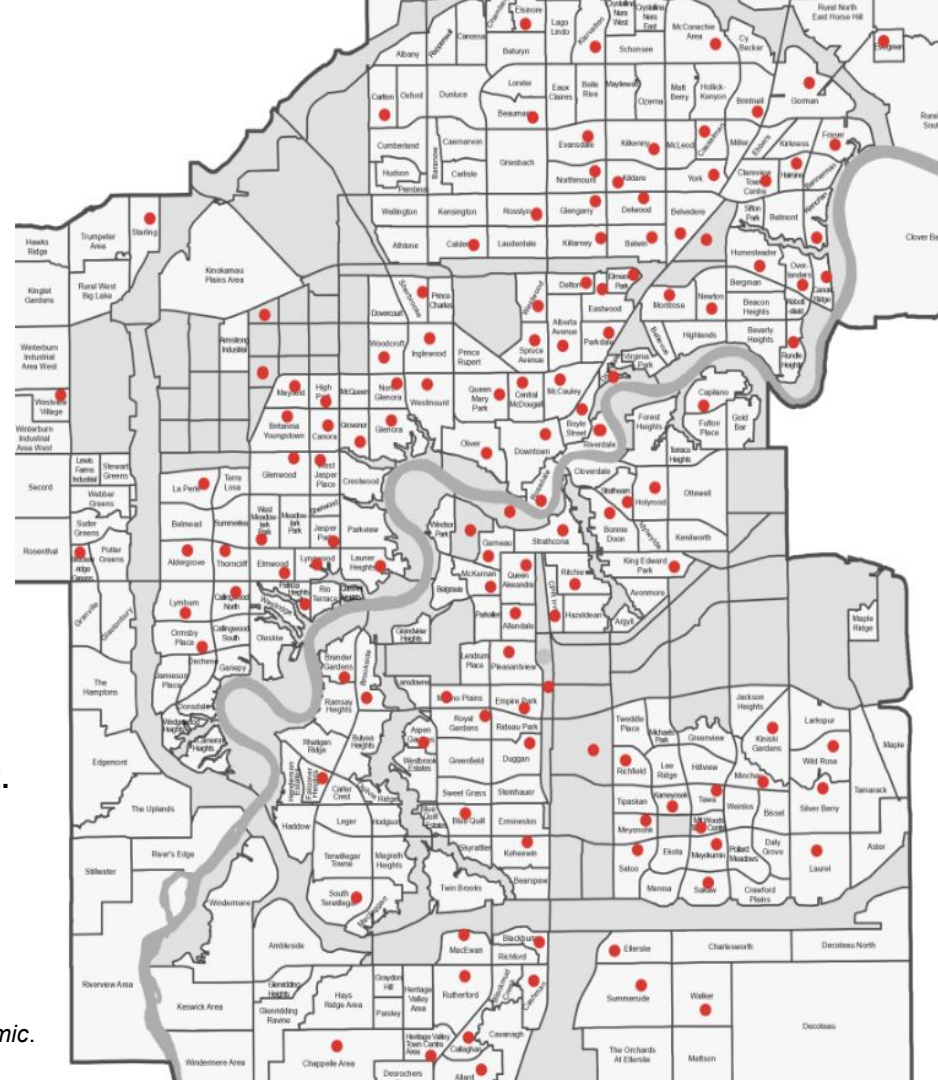


"Through a Freedom of Information Act request, Global News was able to gain access to the 2022 death-by-neighbourhood records, which show that, between Jan. 1 and Sept. 1, opioid-related deaths occurred all over the city — not just in specific neighbourhoods."

Meaghan Archer, Global News

Each red dot on the map marks a **neighbourhood** in which an opioid-related death occurred between **January 1 and August 31, 2022**.

N.B. A neighbourhood may have experienced >1 opioid-related death. This map shows distinct neighbourhoods impacted, not incident counts.



EMS responses (opioids) in Edmonton, per 3 month quarters, 2020-2023 YTD

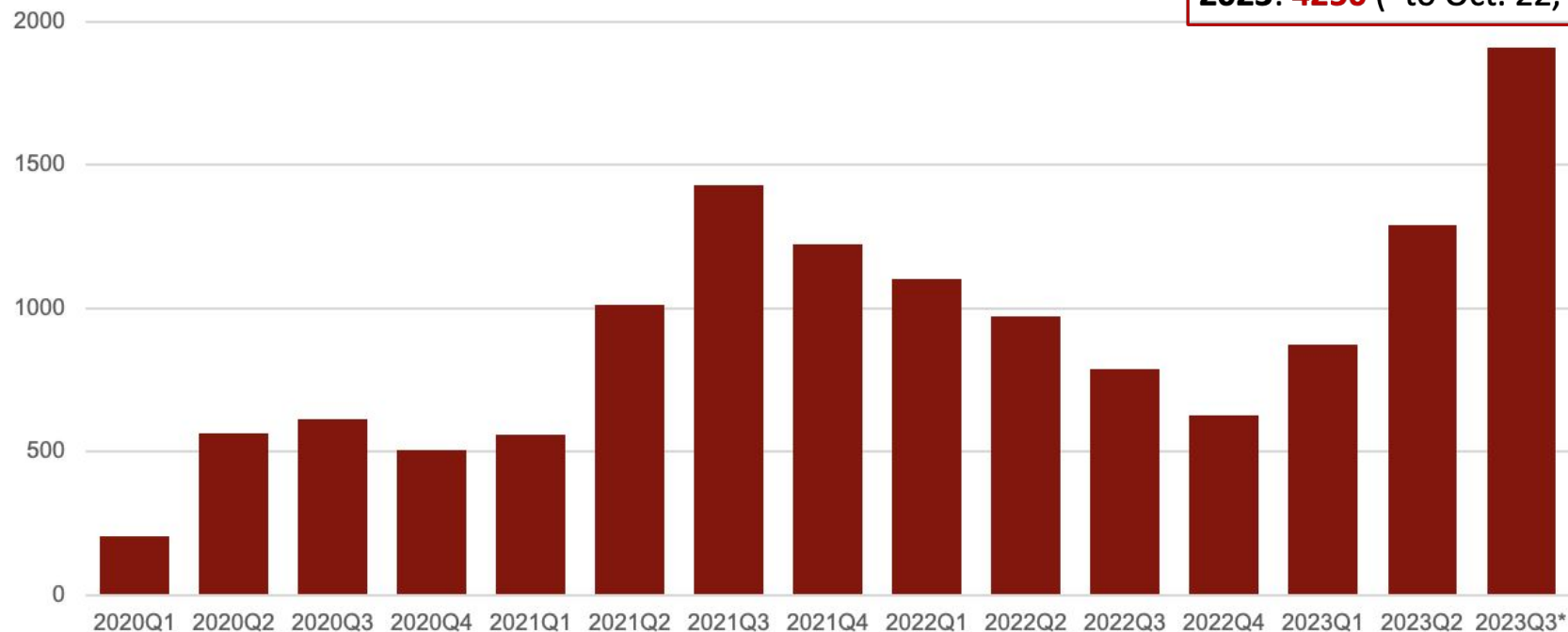
EMS response totals for
Edmonton by year

2020: 1893

2021: 4227

2022: 3486

2023: **4256** (*to Oct. 22, 2023)



Near-real-time geospatial and time-series data

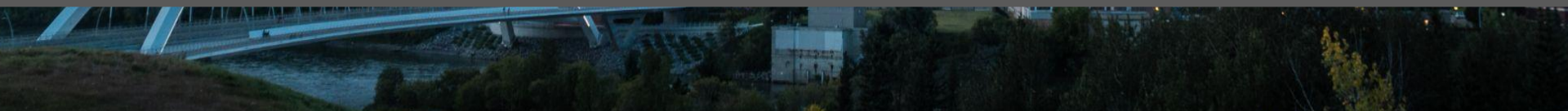
What we do with proxy, provisional and anecdotal data:

- seasonal changes, trends
- hot spots
- areas of unmet need
- outliers, emerging areas
- localized poisoning spikes

→ **Knowledge transfer to inform responses (“time, place, team”)**

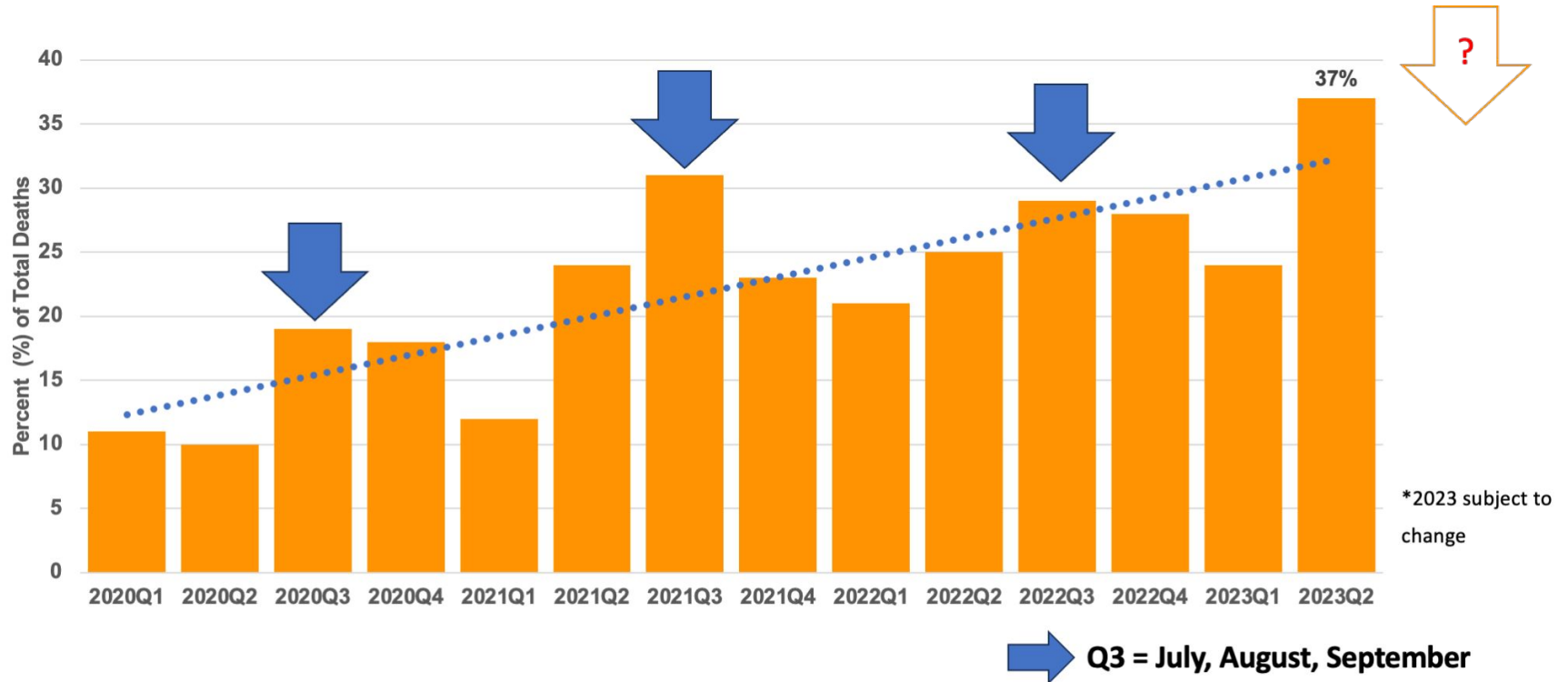
Unmet need (re: 7.2 attachment 4):

- comprehensive data sharing system for community organizations
- identify gaps in data sharing and narrow them
- localized, anonymous geospatial data
- time-sensitive (urgency) in data updates

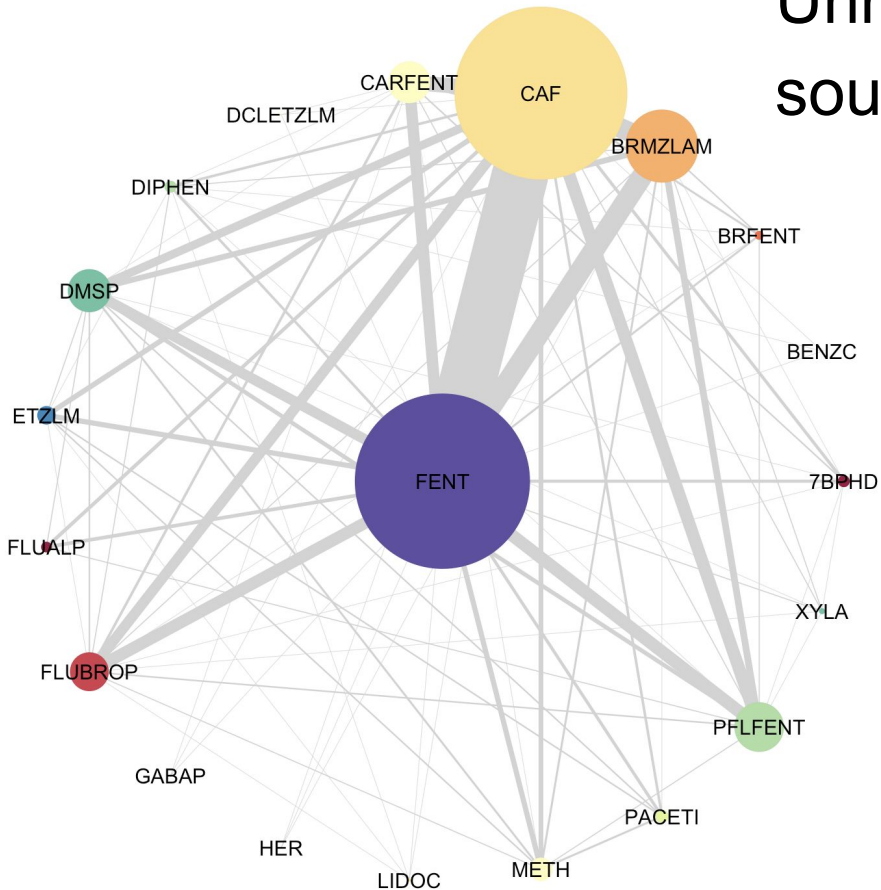


Trend: Accidental drug poisoning deaths increasing in public spaces

Percent of deaths in public, non-secure locations, Edmonton, by quarter: 2020 - 2023 Q2*



Unregulated supply: “A toxic soup of mystery chemicals”



Opioids:

- Fentanyl
- Parafluorofentanyl
- Carfentanil
- Bromofentanyl
- Heroin

Benzodiazepines:

- Bromazepam
- Flubromazepam
- Etizolam
- Flualprozam
- Desalkylgidazepam
- Deschloroetizolam

Others:

- Gabapentin
- Lidocaine
- Methamphetamine
- Caffeine
- Dimethylsulfone
- Xylazine
- Benzocaine
- Diphenhydramine
- Phenacetin

