



# FENTANYL & OTHER OPIOIDS

Major Drugs & Vice



# OPIOIDS

## Definition:

- substances that act on opioid receptors to produce morphine-like or euphoric effects
- Medically used for pain relief



# LICIT FENTANYL

- Synthesized in 1950's for surgery & pain management
- Most commonly seen in transdermal (through the skin) patches.
- Also seen in the form of lozenges, sprays, liquid







# ILLICIT FENTANYL

- Health crisis
- Majority of illicit fentanyl comes from China and to a lesser extent Mexico
- Can be absorbed through the skin or any mucous membranes (eyes, mouth, etc)
- Very dangerous





# HEROIN vs FENTANYL LETHAL DOSE



- Slurred speech
- Severe drowsiness
- Slowed heartbeat
- Low blood pressure
- Unsteady on feet
- Respiratory distress



# CARFENTANIL & W18

## Carfentanil

- 100x fentanyl
- used to tranquilize large game animals
- less than a grain of salt can be fatal to humans

## W18

- 100x fentanyl
- Discovered at the University of Alberta in 1982.
- Recent testing suggests that the compound is an analgesic and not an opioid (Naloxone has no effect)





# NALOXONE

- Issued to PRP personnel in June 2017
- Nasal spray
- Opioid antagonist – blocks opiate receptors in the brain.
- Reverses opioid overdose
- Has been used by officers





# AWARENESS & EDUCATION

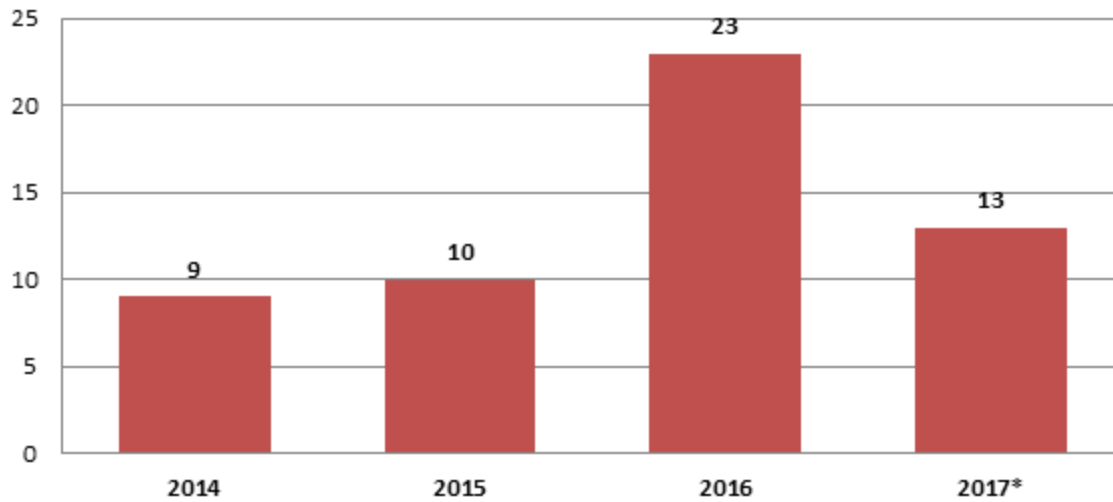
- Safety bulletins for officers & civilians
- Salvation Army (Shelters)
- High school presentations





# IMPACT

Fentanyl Overdose Deaths by Year in Peel





# PARTNERSHIPS

## ADMINISTRATIVE

- CACP – Managing the Fentanyl Crisis (May 2017)
- OACP - Fentanyl Symposium (Nov 2016)
- Peel Opioid Surveillance & Urgent Response Stakeholder Group (Jan 2017)

## OPERATIONAL

- Mississauga Fire
- Peel Paramedics
- Brampton Fire
- OPP Clan Lab Team