

Setting the scene: trends in opioid overdose attended by Ambulance Victoria



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Acknowledgements

- AMBO project is a partnership between AV, Turning Point, Monash University and funded by DHHS
- Paramedics and Karen Smith who provide the data from Ambulance Victoria
- Sharon Matthews Manager Pop Health and the Population Health Coding Team

Ambo Project

- 1998 - metropolitan alcohol and drug related attendances
- End 2011 – regional Victoria added (172,000 in 2018)
- 2012 – National Ambo Project
 - ACT, NT, NSW, Tasmania, QLD, VIC (SA, WA in future)
 - data snapshots of one month per quarter (March, June, September and December)
 - Funded by Commonwealth Dept of Health
- Estimate - 488,598 cases (nationally) to code in 2018

What is a case?

“Is it reasonable to attribute the immediate or recent (past 24 hours) over- or inappropriate substance use as a contributing reason for the ambulance attendance?”



What is a case?

“Is it reasonable to attribute the **immediate or recent (past 24 hours)** over- or inappropriate substance use as a contributing reason for the ambulance attendance?”



What is a case?

“Is it reasonable to attribute the immediate or recent (past 24 hours) **over- or inappropriate substance use** as a contributing reason for the ambulance attendance?”



What is a case?

“Is it reasonable to attribute the immediate or recent (past 24 hours) over- or inappropriate substance use as a **contributing reason** for the ambulance attendance?”



Step 1.
Ambulance data collection



Step 2.
Data filtering



Step 3.
Initial data processing



Step 4.
Coding



Step 5.
Data export

Coding - AOD

File Home Tell me what you want to do

Categorising cases - ACT CODING Mark Hoffmann ? - □ ×

Case date: 16-Feb-2018 Case nbr: 1 EPCR NBR: 1 VACIS abb list med list Close

1. Case 2. Illicit & other 3. Analgesic 4. Benzos 5. Depressant 6. Psych & Conv 7. OST & Stim 8. Self harm 9. Mental health 10. Violence 11. HxViolence

Case description and comments:

VACIS records:

Existing conditions:

Null

Alcohol

- ☐ Alcohol involved
 - ☐ Alcohol intoxic
 - ☐ Last drink at a licensed venue

Illicit drugs

- ☐ Meth/amphetamine
 - ☐ Crystal methamphetamine (crystal, ice)
- ☐ Cannabis
- ☐ Synthetic cannabinoids
- ☐ EPS
- ☐ Cocaine
- ☐ Ecstasy
- ☐ GHB
- ☐ Heroin
- ☐ Ketamine
- ☐ LSD / trips
- ☐ Mushrooms
- ☐ Illicit drug, other or unspecified

Inhalants

- ☐ Spray paint
- ☐ Petrol
- ☐ Inhalant, other or unspecified

Others

- ☐ Energy drink
- ☐ Other medication
- ☐ Other substance
- ☐ Unknown

SUBMIT

Record: 1 of 1 Filtered Search

Coding – specific drugs

File Home Tell me what you want to do

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Close

Case description and comments:

VACIS records:

Existing conditions:

Null

Opioid analgesics

- ☐ Dextropropoxyphene (Capadex, DI-Gesic, Doloxene, Paradex)
- ☐ Fentanyl (Actiq, Durogesic, Naropin, Sublimaze)
- ☐ Hydromorphone (Dilaudid, Jurnista)
- ☐ Morphine (Anamorph, DepoDur, Kapanol, Momex, Morphalgin, MS Contin, MS Mono, Ordine, Sevredol)
- ☐ Oxycodone (Endone, OxyContin, OxyNorm, Proladone)
- ☐ Oxycodone & Naloxone (Targin)
- ☐ Pethidine
- ☐ Tramadol (Durotram, Lodam, TramaHexal, Tramal, Tramedo, Zydol)
- ☐ Opioid analgesic, other or unspecified

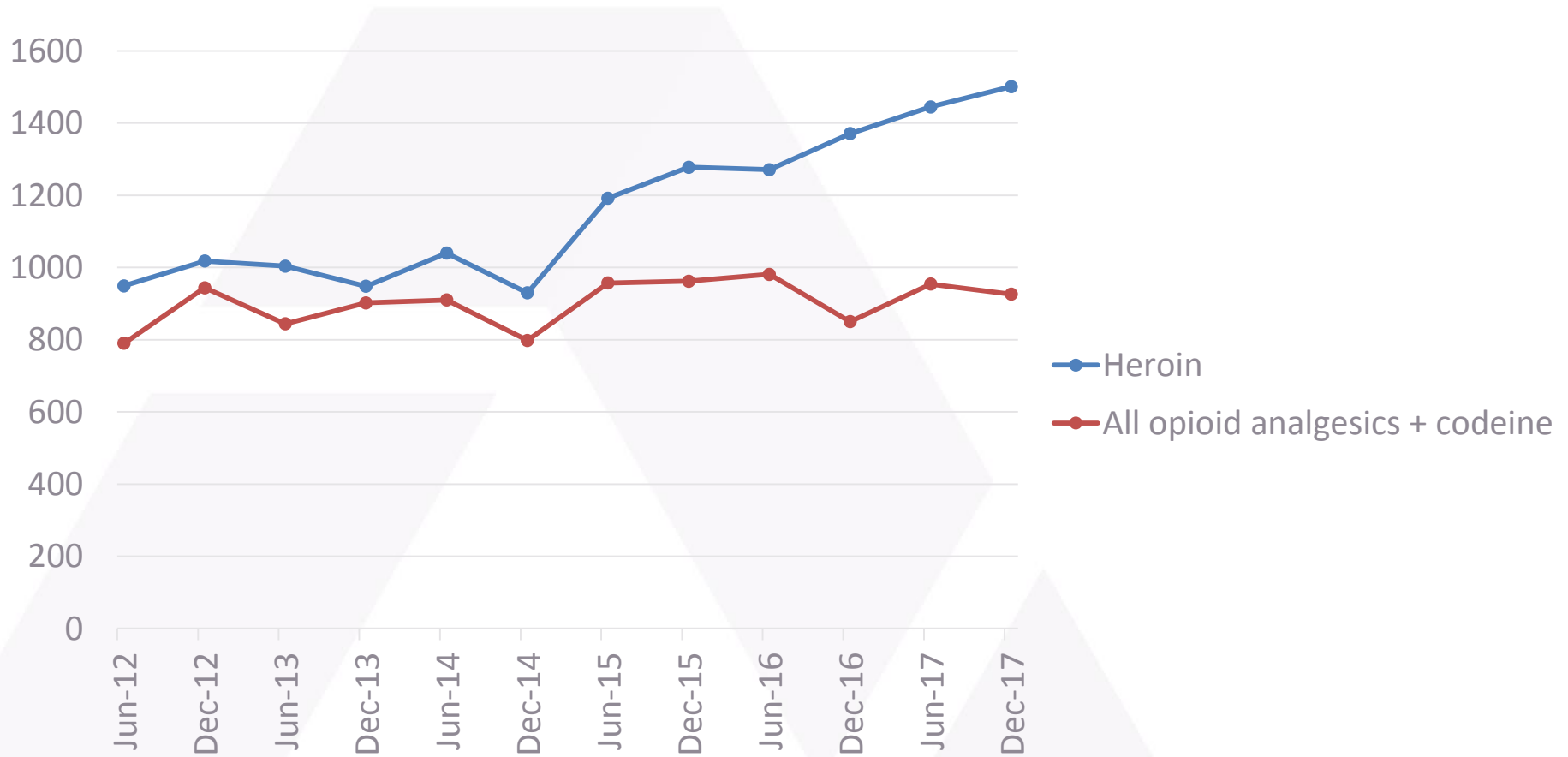
Other analgesics

- ☐ Aspirin (Alka-Seltzer, Aspro, Astrix, Cardiprin, Cartia, Disprin, Ecotrin, Solprin)
- ☐ Aspirin & Codeine (Aspalgin, Codiphen, Codis, Codox, Codral Forte, Disprin Forte, Veganin)
- ☐ Codeine (codeine phosphate ONLY)
- ☐ Ibuprofen (Advil, Brufen, Bugesic, Butalgin, Nurofen, Panafen, ProVen, Rafen, Tri-Profen)
- ☐ Ibuprofen & Codeine (Nurofen Plus, Panafen Plus)
- ☐ Paracetamol (Chemadol, Duatrol, Dymadon, Febridol, Panadol, Panamax, Paralgin, Parmol, Perfalgan)
- ☐ Paracetamol & Codeine (Codalgin, Codapane, Dolaforte, Dolased, Dymadon Co, Febridol Plus, Fiorinal, Painstop, Panadeine, Panalgescic, Panamax Co, Paralgin, Prodeine, Tensodeine)
- ☐ Other analgesic, other or unspecified

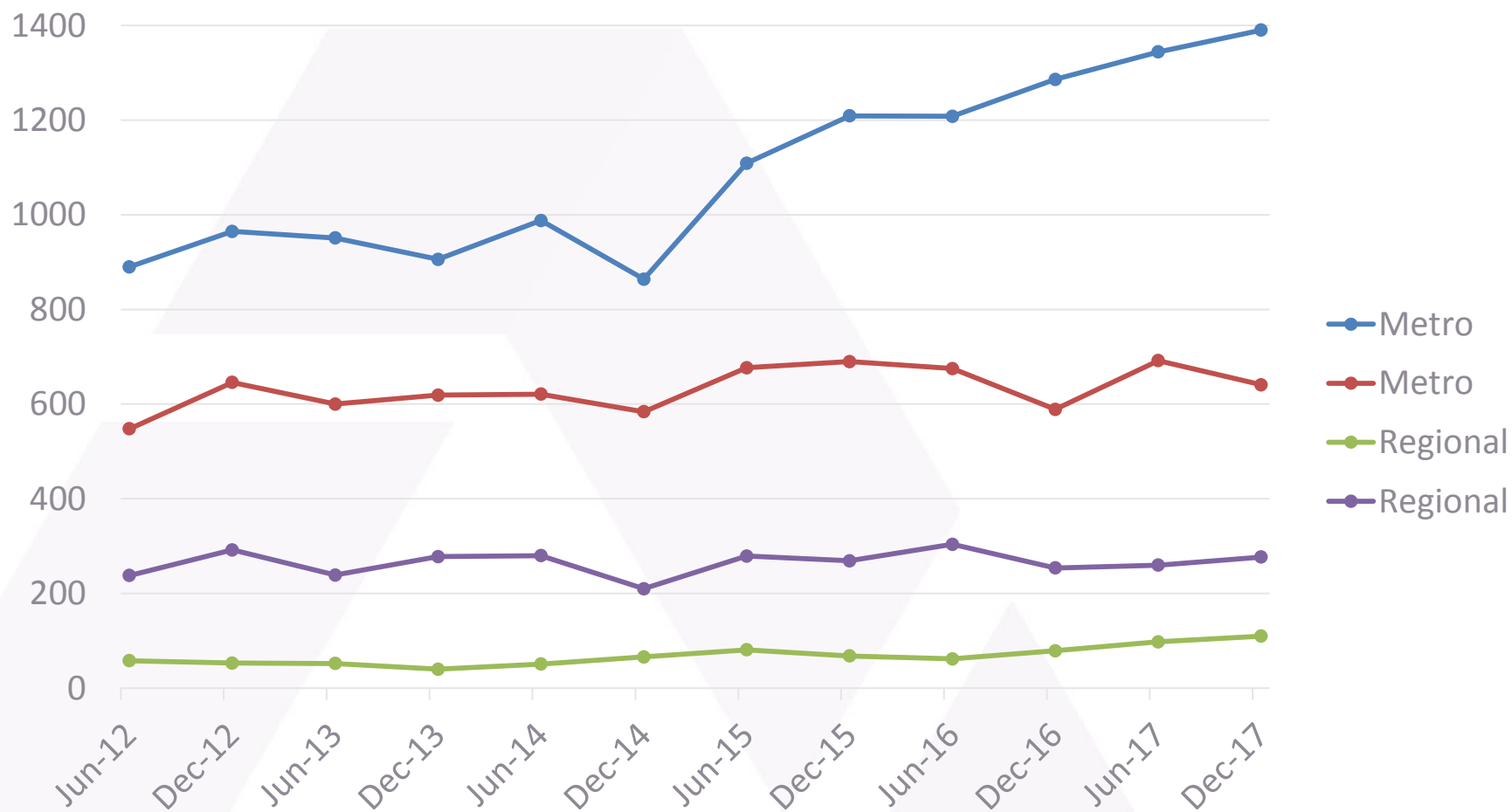
SUBMIT

Record: 1 of 1 Filtered Search

Opiate-related ambulance attendances June 2012-December 2017



Metro/Regional distribution opioid-related ambulance attendances



AmboAODStats

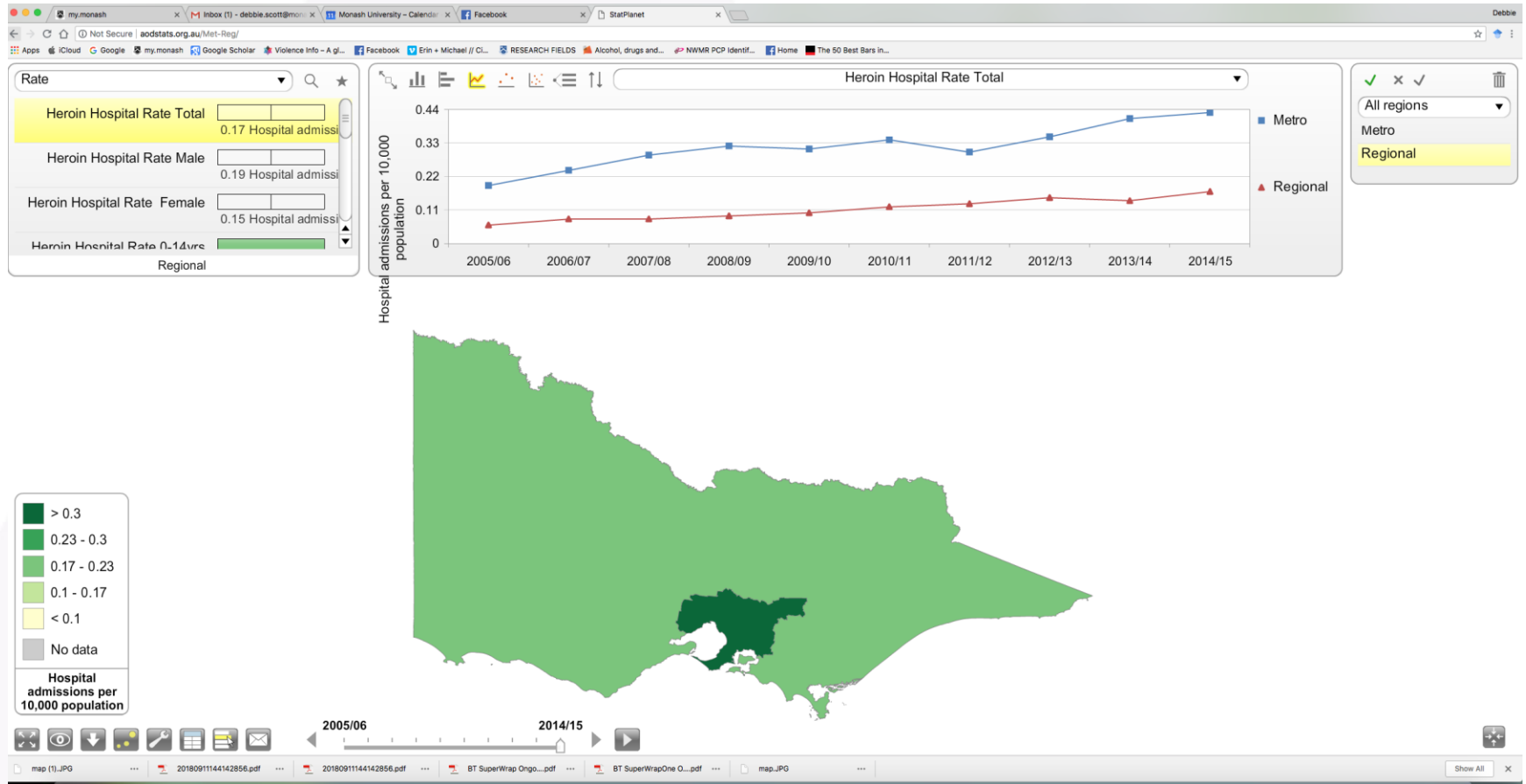
http://amboaodstats.org.au/Metro_Regional/

Opioids-Related Rate: Total (2016/17)

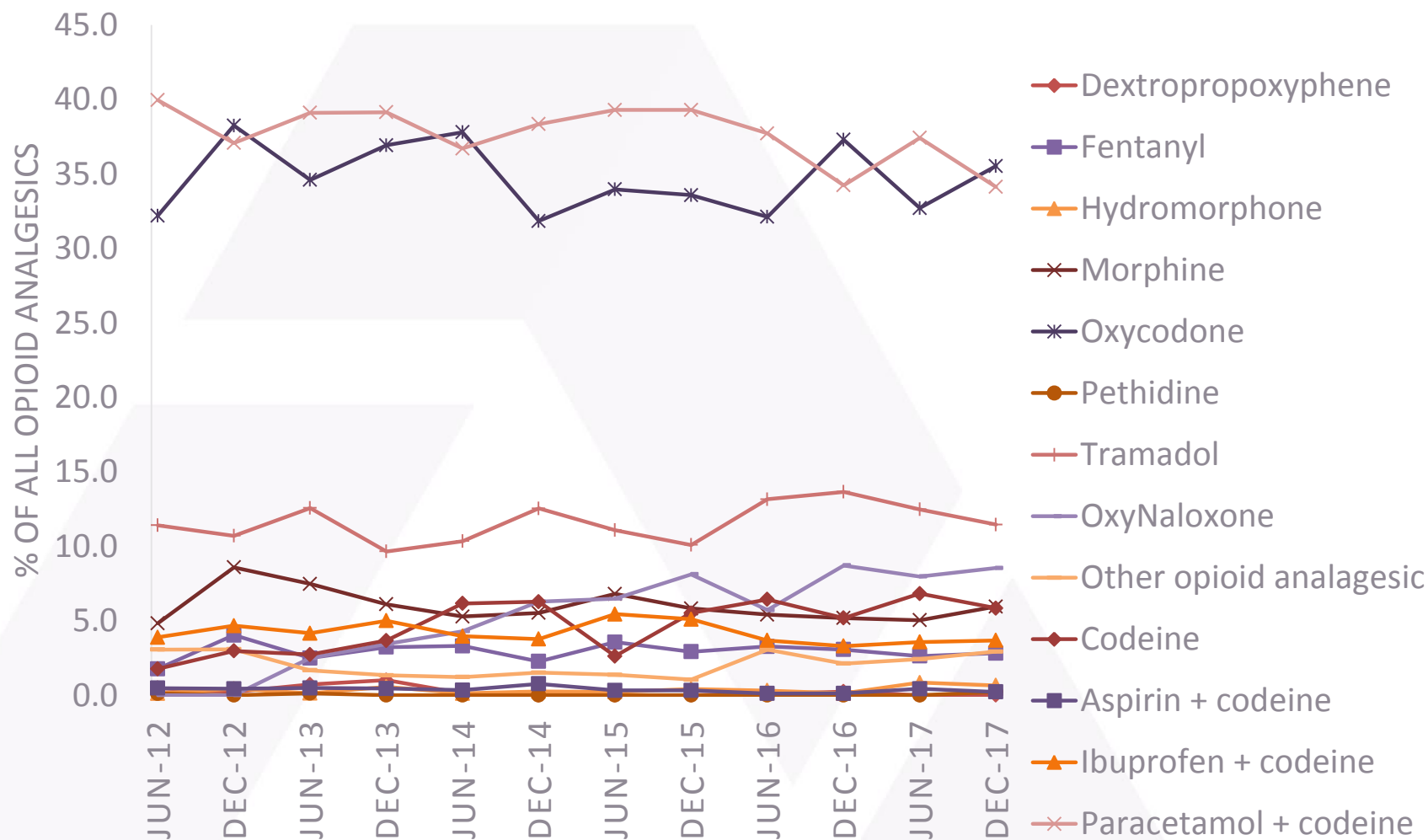


AOD Stats

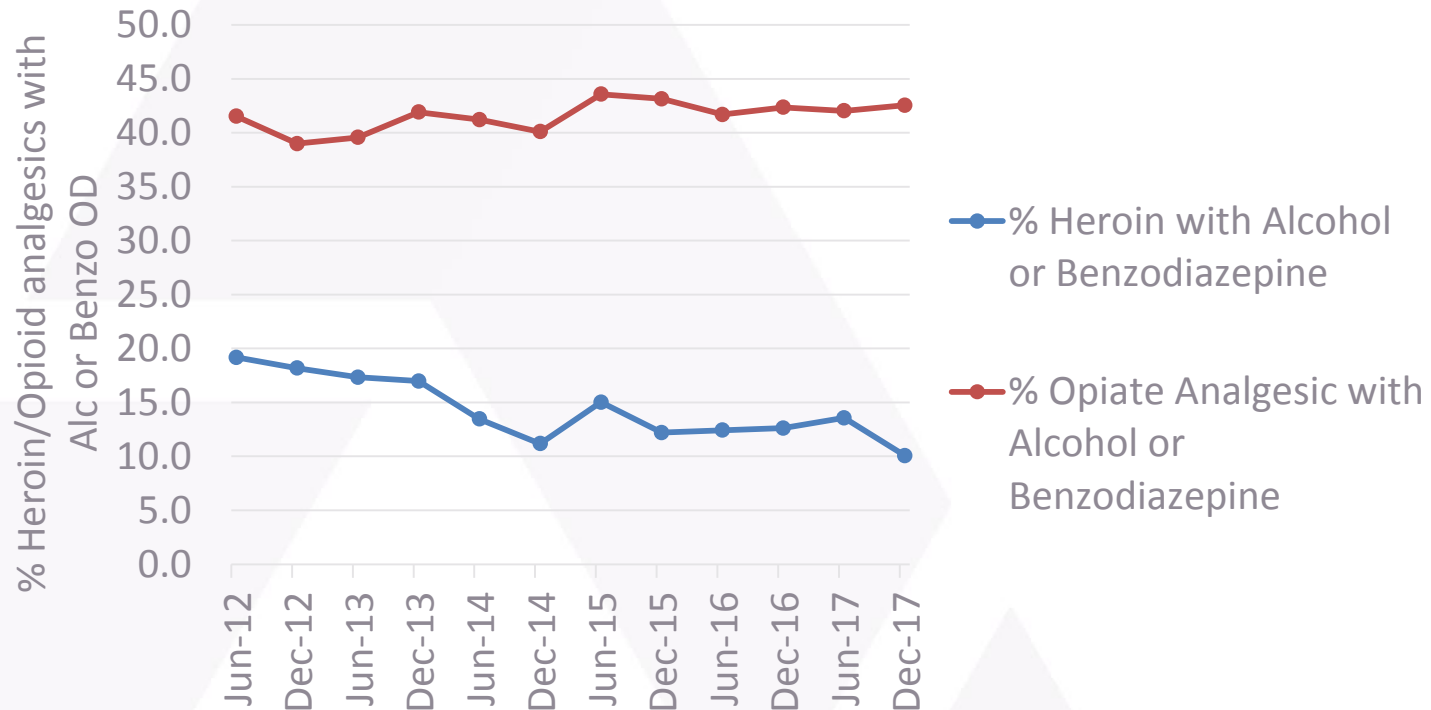
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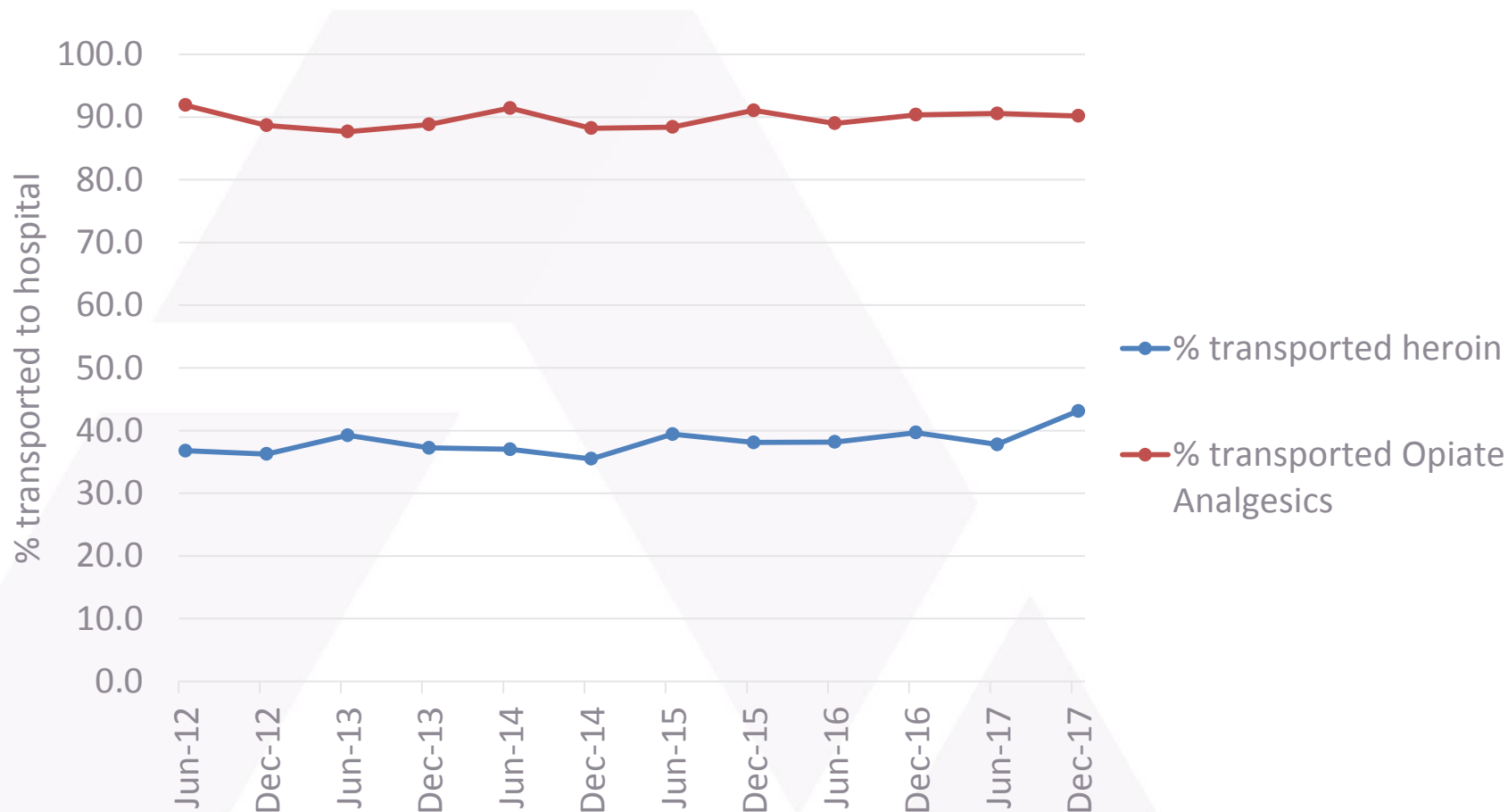
Type of opioid analgesic in ambulance attendances



Poly substance with opiates



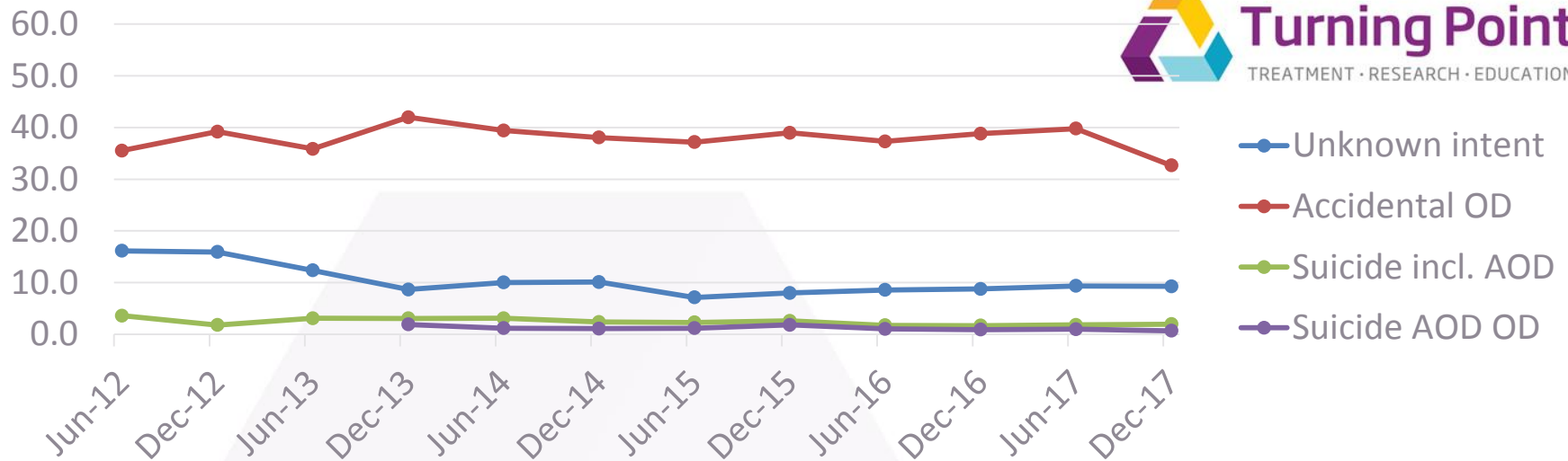
Opiate-related attendances – Transported to hospital



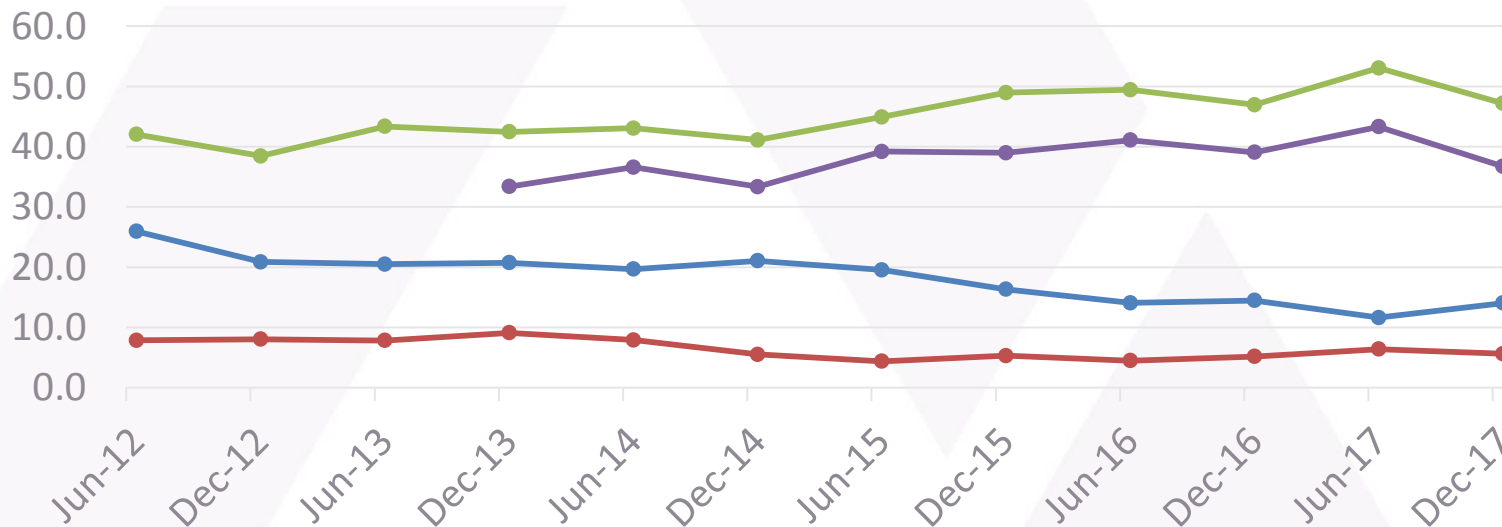
Heroin - intent



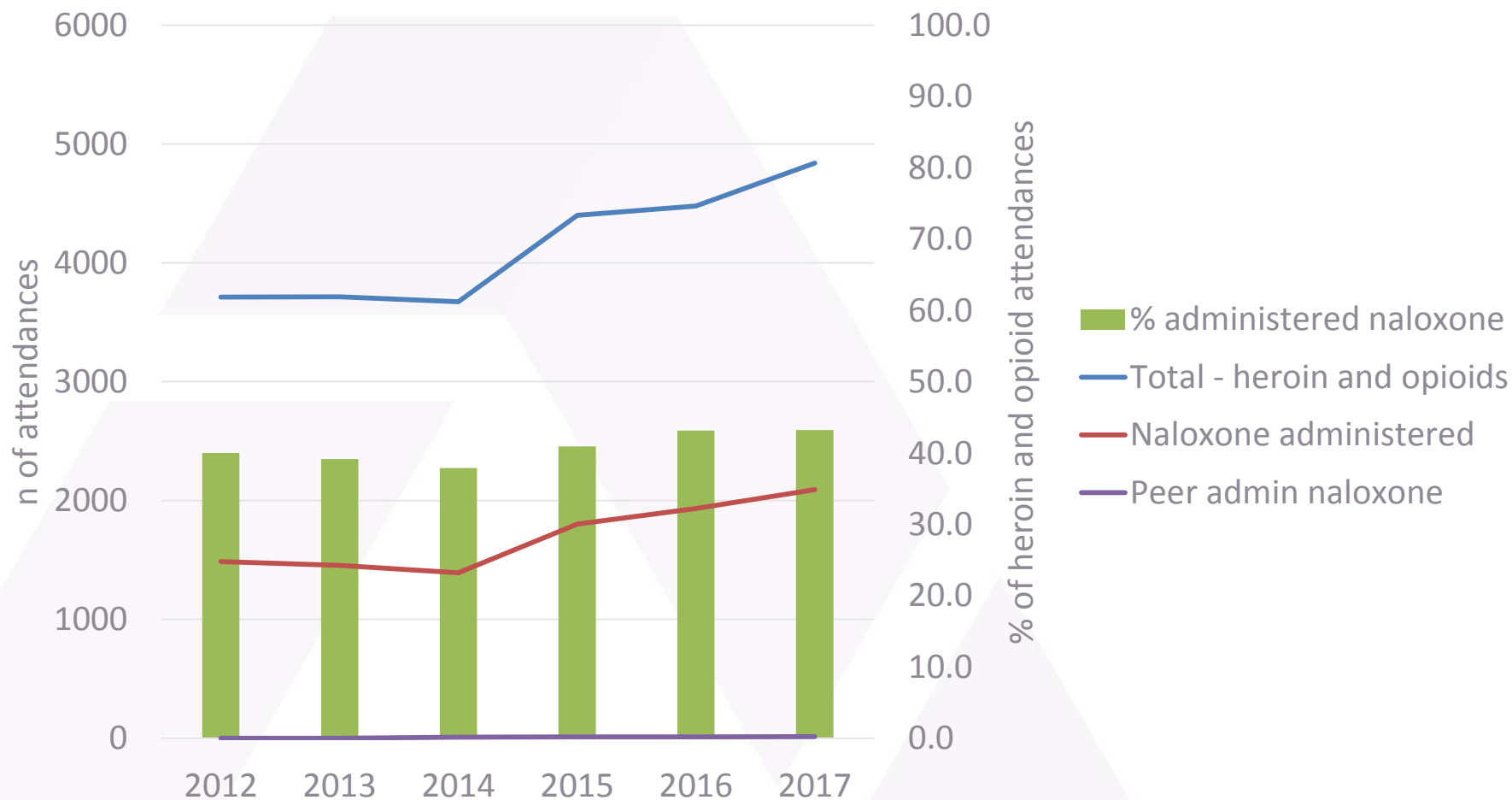
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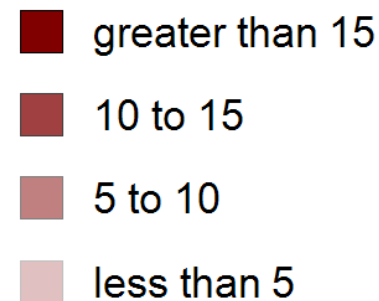
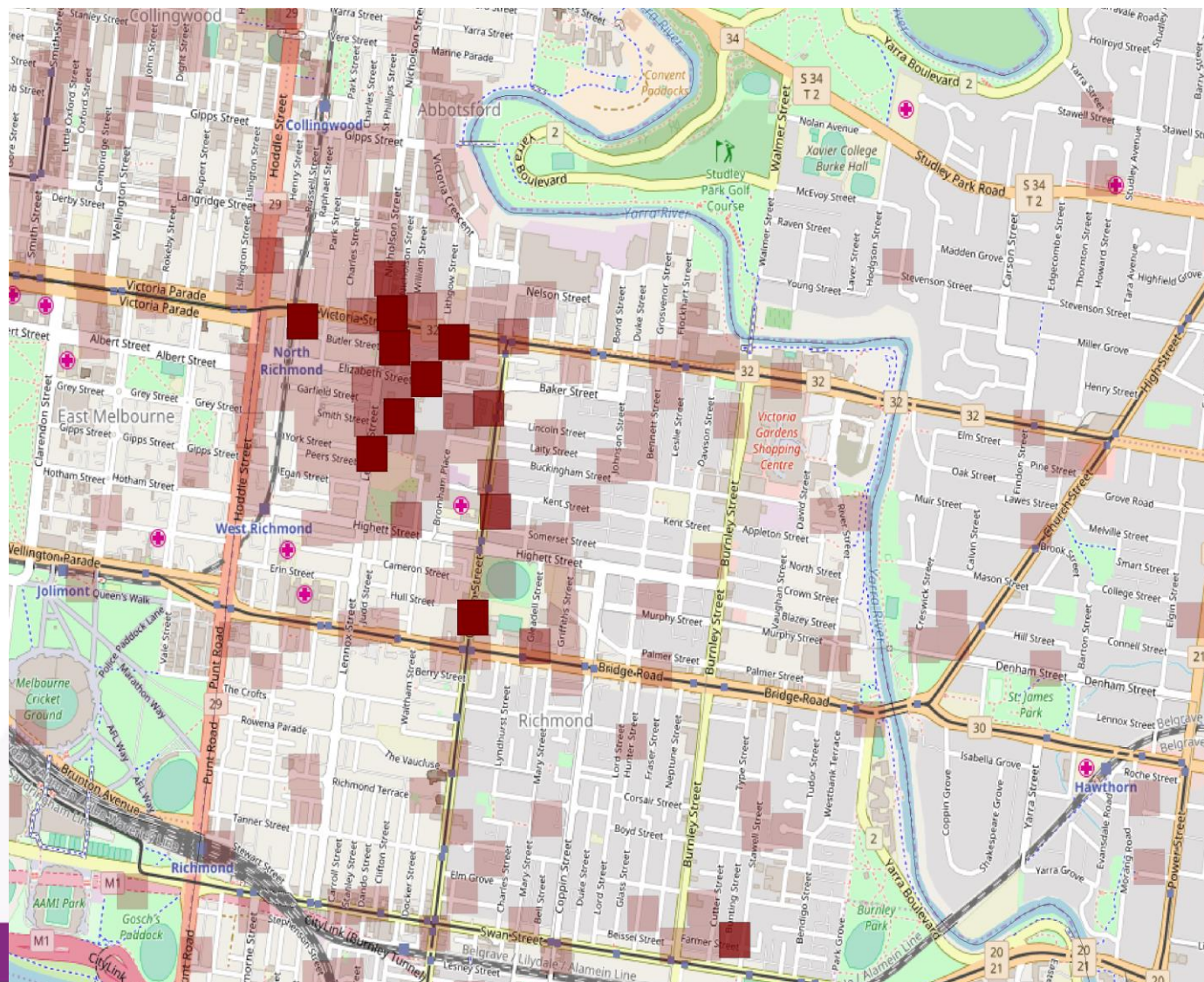
Opioid analgesics - intent



Naloxone and opiate-related ambulance attendances



Ambulance attendances for selected injectable drugs



Includes: heroin,
amphetamines,
cocaine, opioid
analgesics, opioid
pharmacotherapy
benzodiazepines



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