



**ROCKY MOUNTAIN
POISON &
DRUG SAFETY**
Saving lives with answers.™

RADARS®
SYSTEM


Prescription Drug Misuse: France and Italy

Today's Goals

- Prescription drug misuse in France and Italy
- Landscape overview
- Prescribing patterns
- Misuse by class
- Misuse by API
- Poison centres data (GTNet)
- Addiction centres data (Europad)

What is the RADARS[®] System?



**DENVER
HEALTH™**
— est. 1860 —
FOR LIFE'S JOURNEY

- Supported by subscriptions from pharmaceutical manufacturers, government, and non-government agencies for surveillance, research and reporting services
- Property of Denver Health and Hospital Authority, a political subdivision of the State of Colorado
- Denver Health retains exclusive ownership of all data, databases and systems. Subscribers do not participate in data collection nor do they have access to the raw data.



France: Landscape

- National Action Plan on Addiction focuses on:
 - Prevention, treatment, supply reduction, research, monitoring, and international cooperation
- Illicit use and possession = criminal offenses
 - “Rapid and graduated” policy
 - Compulsory drug awareness course
- EMCDDA data



Drug use

in young adults (18-34 years) in the last year

Cannabis

21.8 %



Other drugs

MDMA	1.3 %
Amphetamines	0.6 %
Cocaine	3.2 %

High-risk opioid users

210 000
(180 000 - 240 000)

All treatment entrants

by primary drug

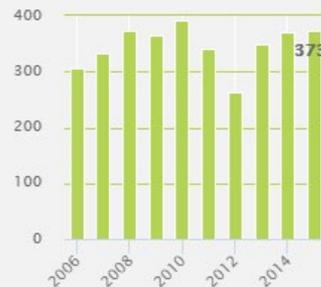


- Cannabis, 60 %
- Amphetamines, 0 %
- Cocaine, 8 %
- Heroin, 18 %
- Other, 13 %

Opioid substitution treatment clients

178 665

Overdose deaths



Source: ECDC

Drug law offences

223 509

Top 5 drugs seized

ranked according to quantities measured in kilograms

1. Cannabis resin
2. Herbal cannabis
3. Cocaine
4. Heroin
5. Amphetamine

New HIV diagnoses attributed to injecting



Population

(15-64 years)

41 739 037

Source: Eurostat Extracted on: 18/03/2019

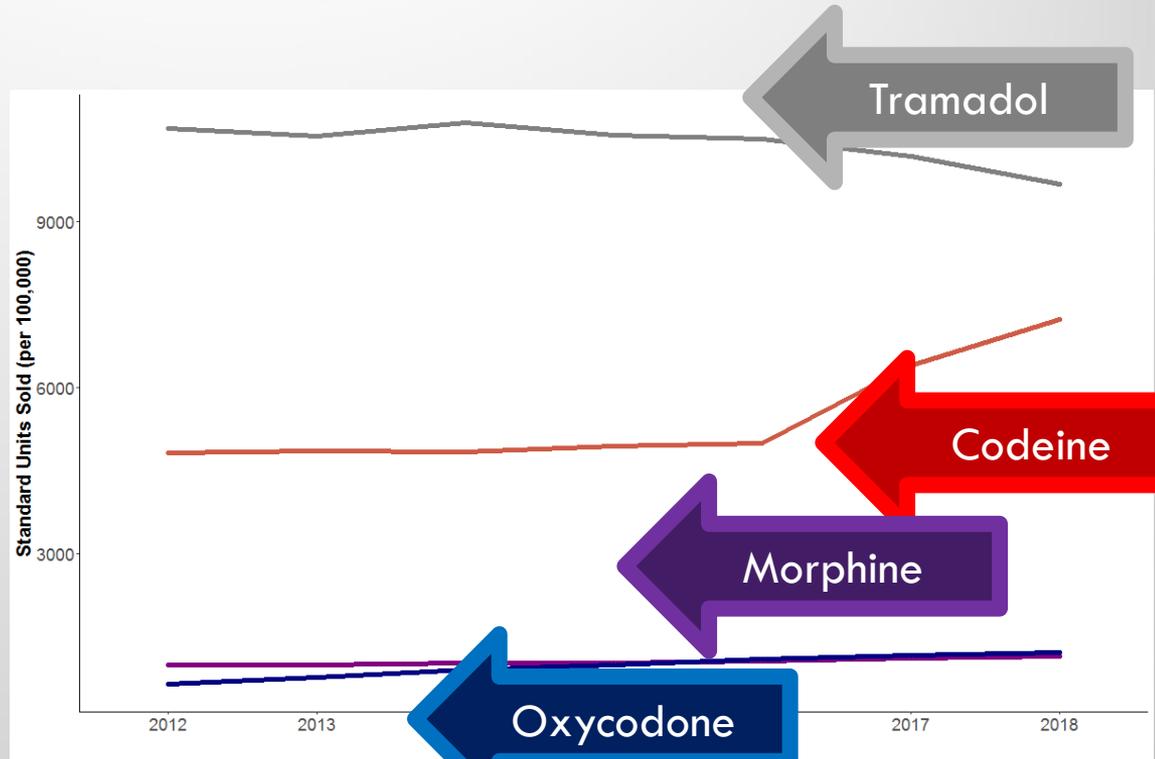
Syringes distributed

through specialised programmes

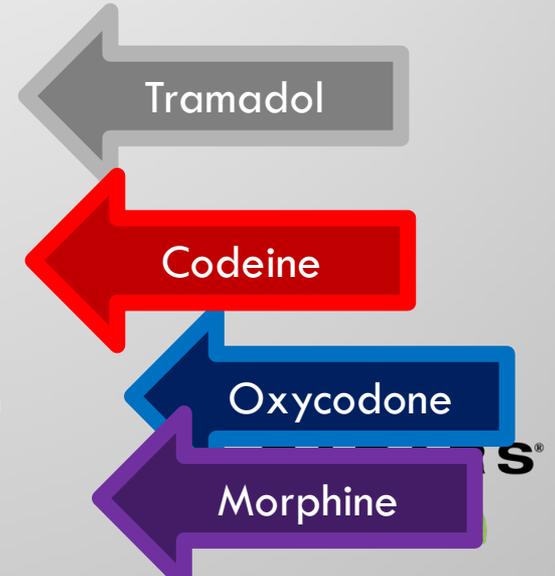
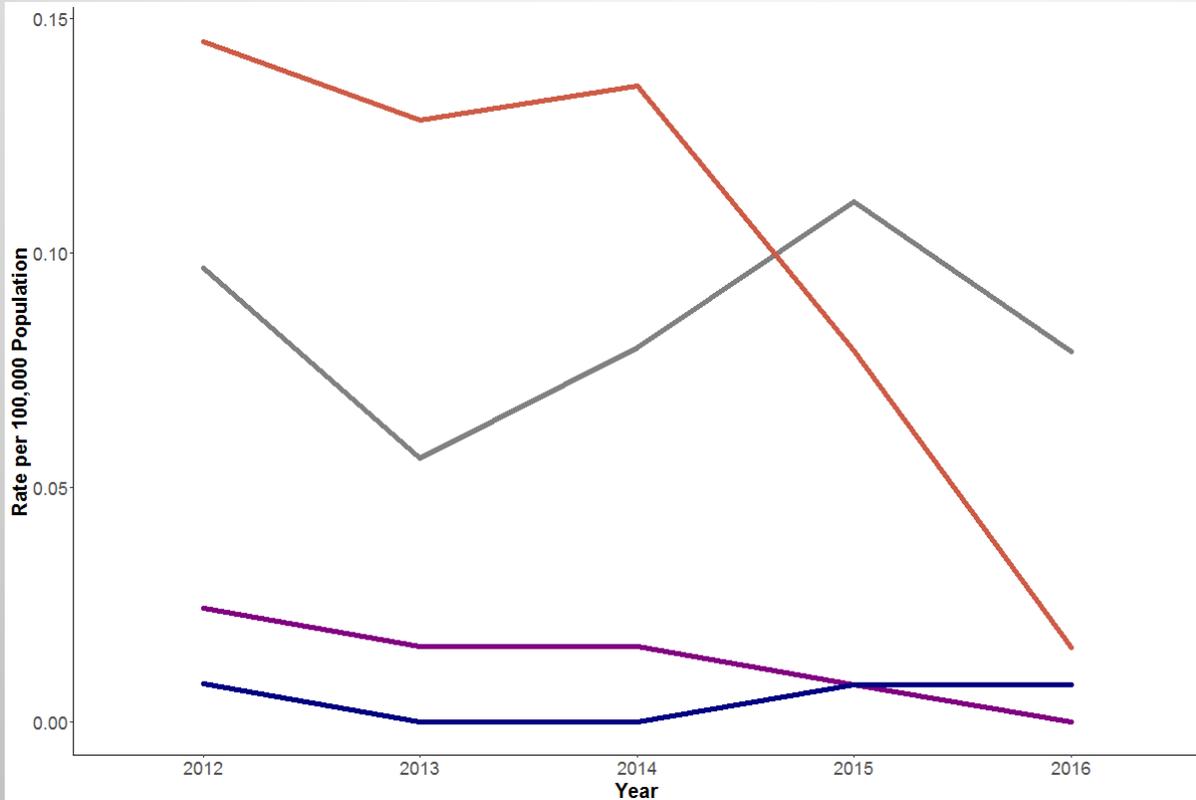
11 907 416

France: Prescribing patterns

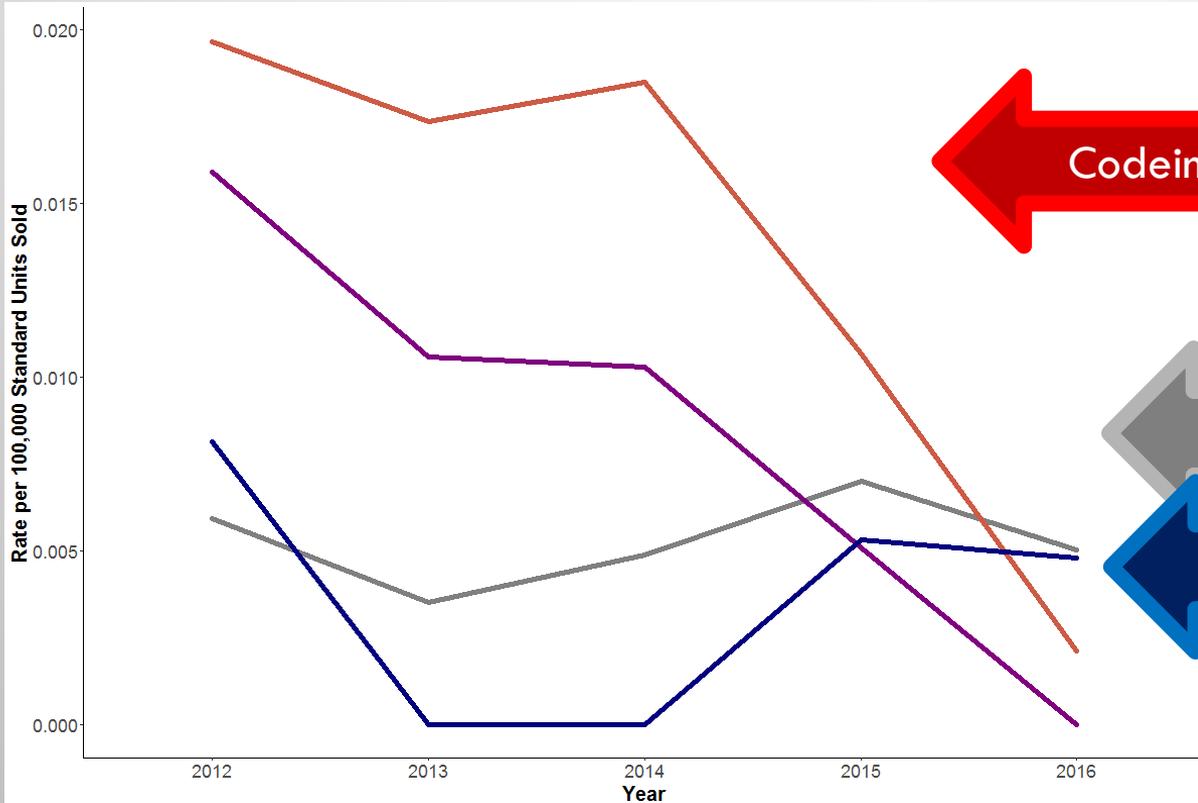
- Increasing prescribing for 3 of 4 opioids
- Tramadol most dispensed
- Codeine close behind



France: Poison Centres (GTNet) Misuse Rate per Population



France: Poison Centres (GTNet) Misuse Rate per Units Sold



Codeine

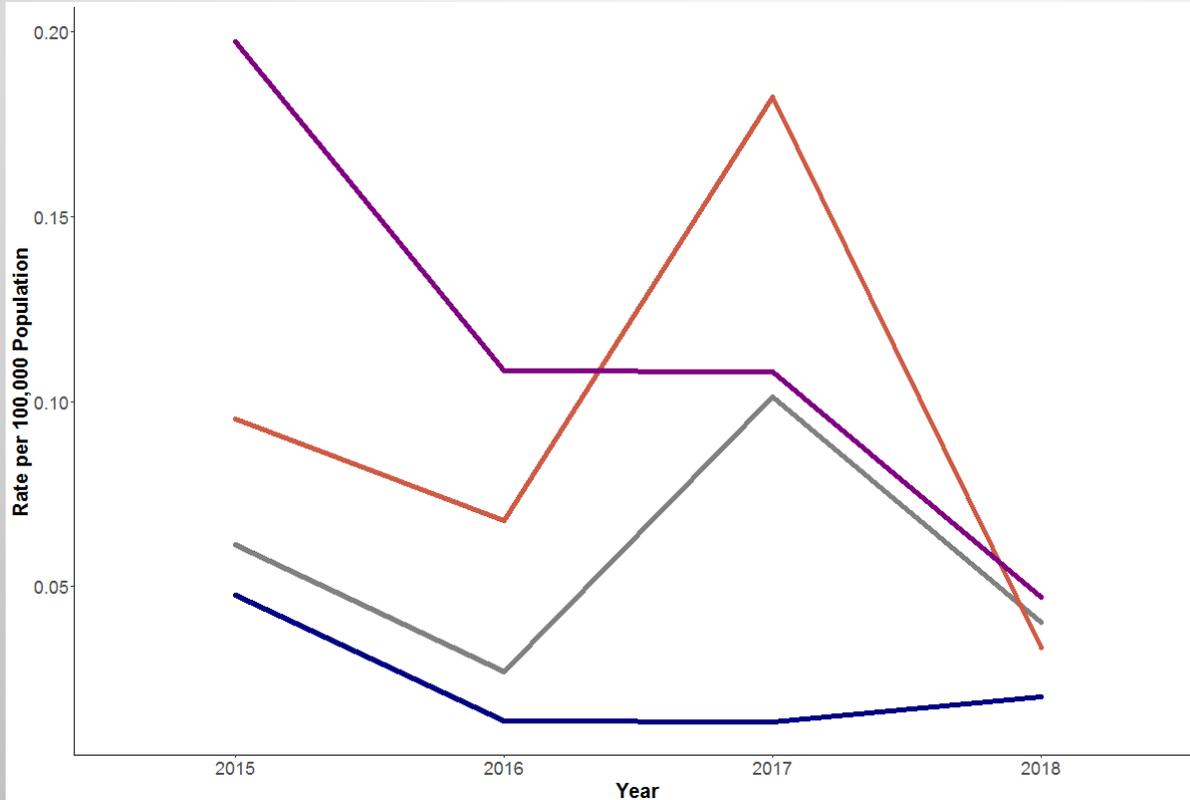
Tramadol

Oxycodone

Morphine

STATISTICS

France: Addiction Centres (Europad) Misuse Rate per Population



Codeine

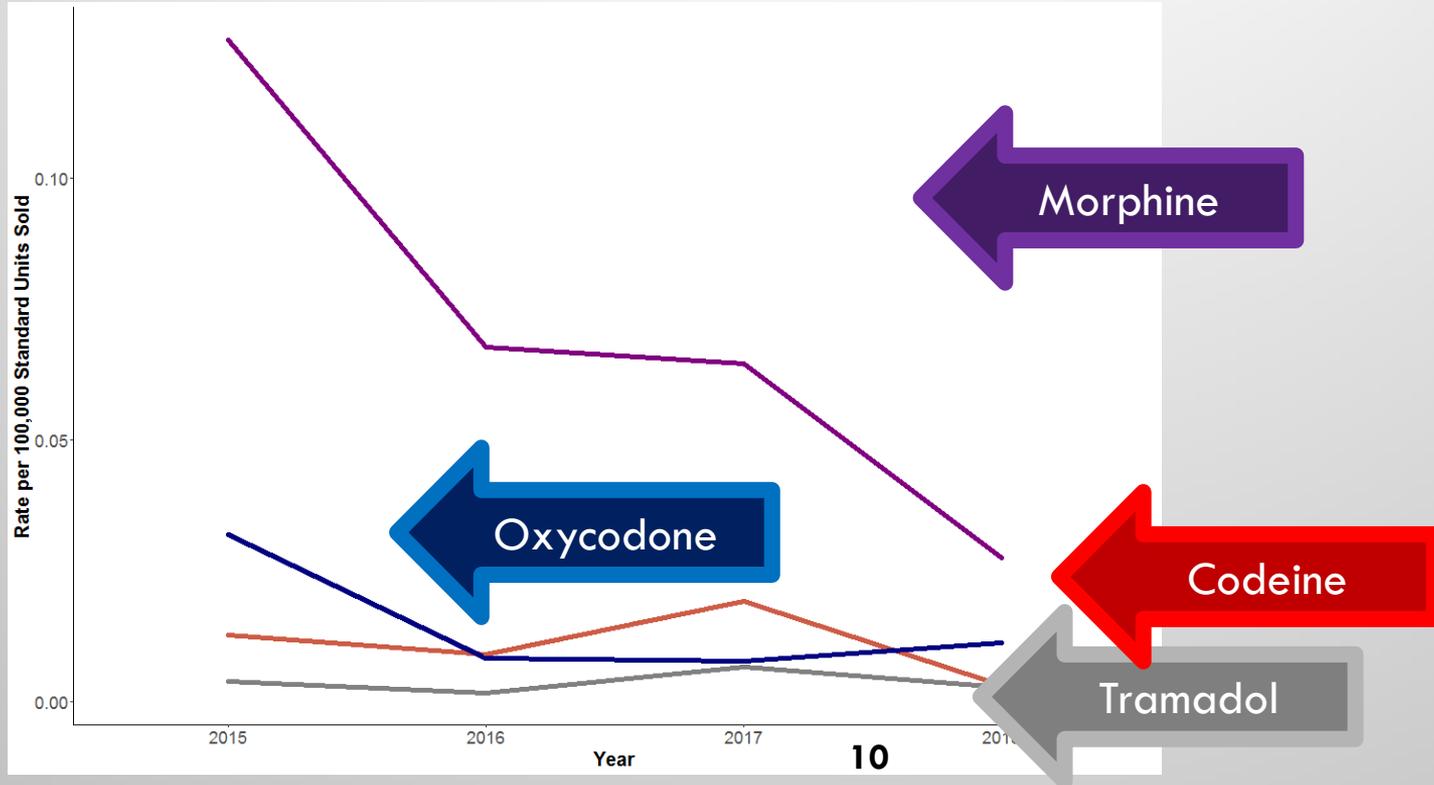
Morphine

Tramadol

Oxycodone



France: Addiction Centres (Europad) Misuse Rate per Units Sold



France: Conclusions

- Rising rates of opioid prescribing
- Poison centres show tramadol and codeine most misused per population
 - Oxycodone emerges when adjusted per drug availability
- Addiction centres show all opioids misused
 - Oxycodone emerges when adjusted per drug availability

Italy: Landscape

- National Action Plan on Drugs
 - Demand reduction: prevention, treatment, rehabilitation, reintegration
 - Supply reduction: evaluation, monitoring, legislation, supply reduction, juvenile justice
- Illicit use not specifically criminal
 - Possession = 1st offense warning, 2nd offense administrative sanctions
 - Option for socio-rehabilitation and therapeutic programme
- EMCDDA data



Drug use

in young adults (15-34 years) in the last year

Cannabis

20.9 %



Other drugs

MDMA	0.8 %
Amphetamines	0.3 %
Cocaine	1.7 %

High-risk opioid users

235 000

(223 000 - 247 000)

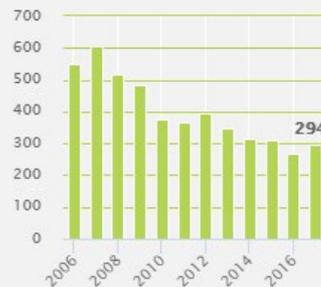
All treatment entrants

by primary drug



- Cannabis, 22 %
- Amphetamines, 0 %
- Cocaine, 33 %
- Heroin, 41 %
- Other, 4 %

Overdose deaths



Source: ECDC

Drug law offenders

73 804

Top 5 drugs seized

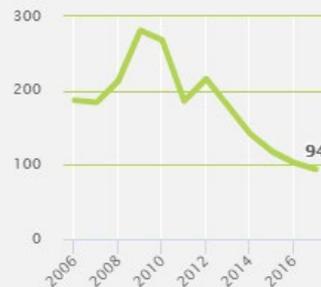
ranked according to quantities measured in kilograms

1. Herbal cannabis
2. Cannabis resin
3. Cocaine
4. Heroin
5. Metamphetamine

Opioid substitution treatment clients

69 642

New HIV diagnoses attributed to injecting



Source: ECDC

Population

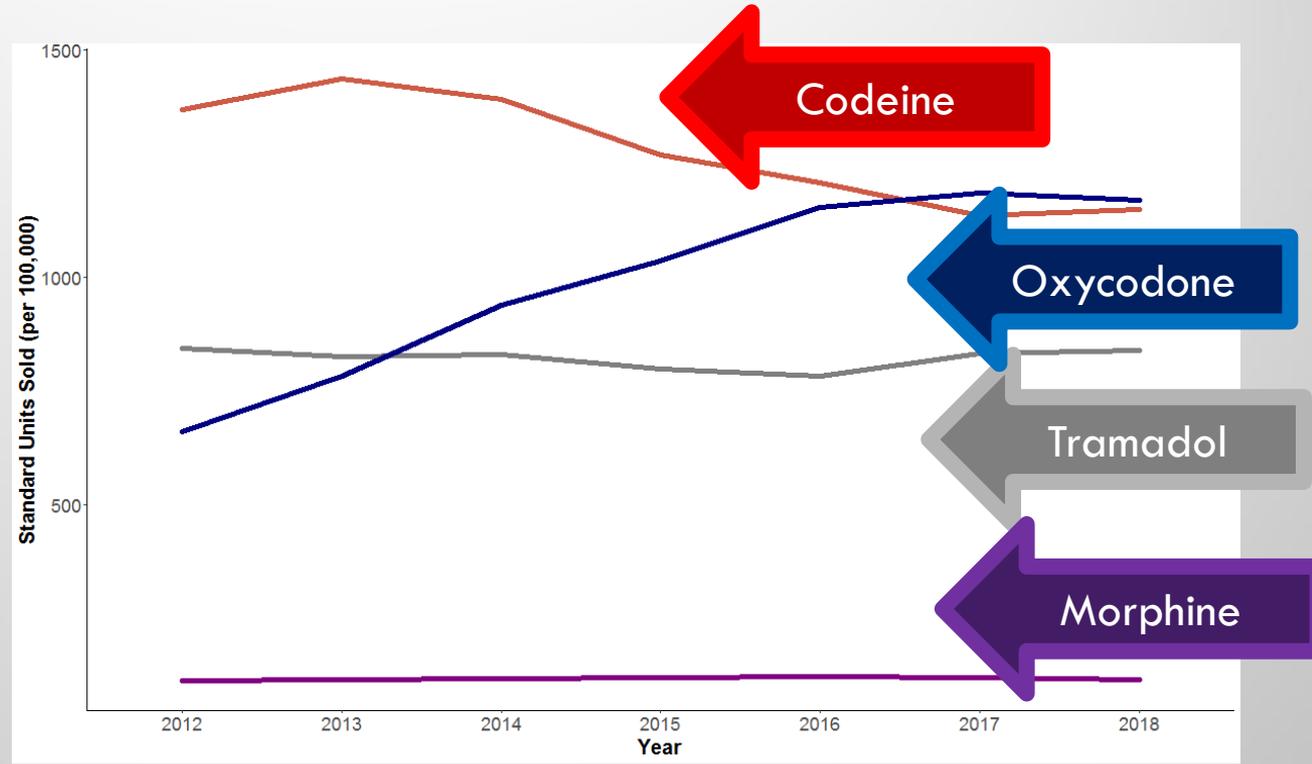
(15-64 years)

38 878 311

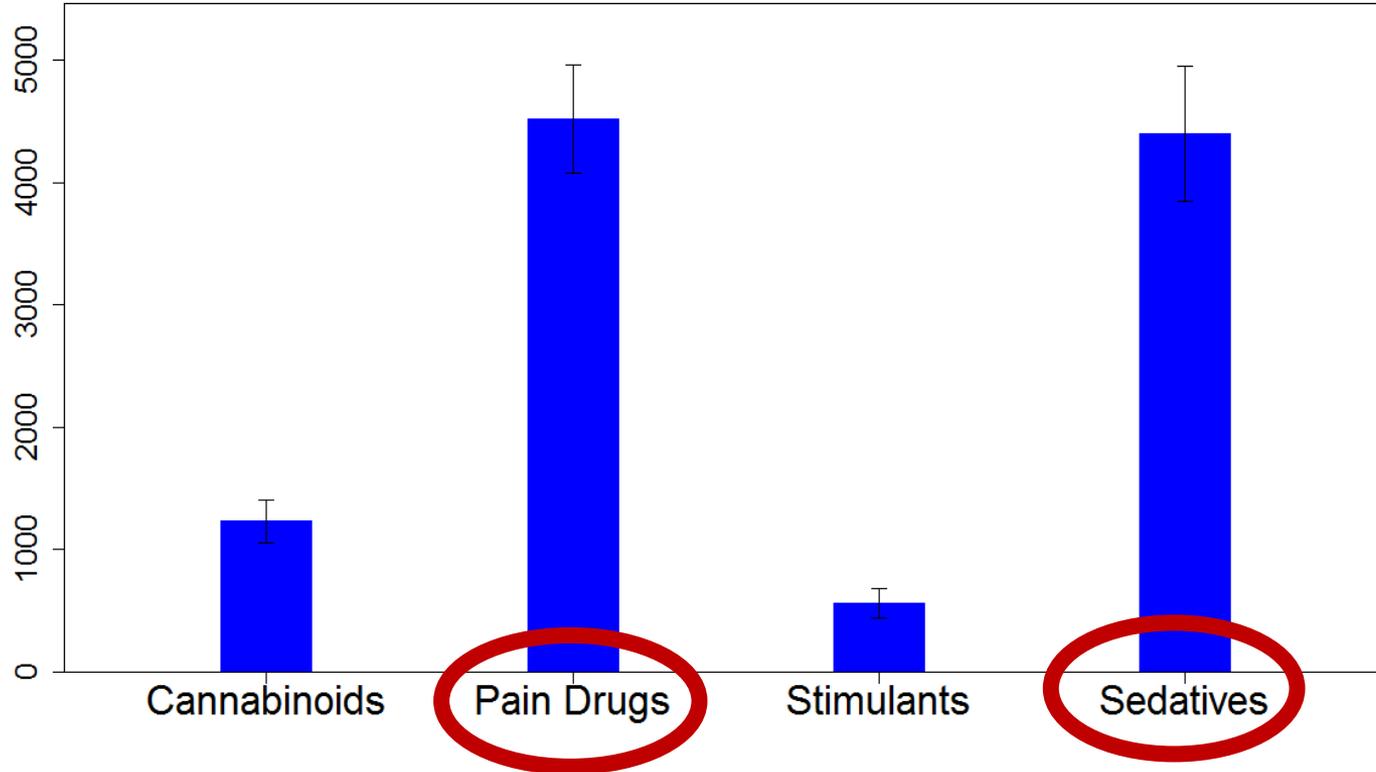
Source: Eurostat Extracted on: 18/03/2019

Italy : Prescribing patterns

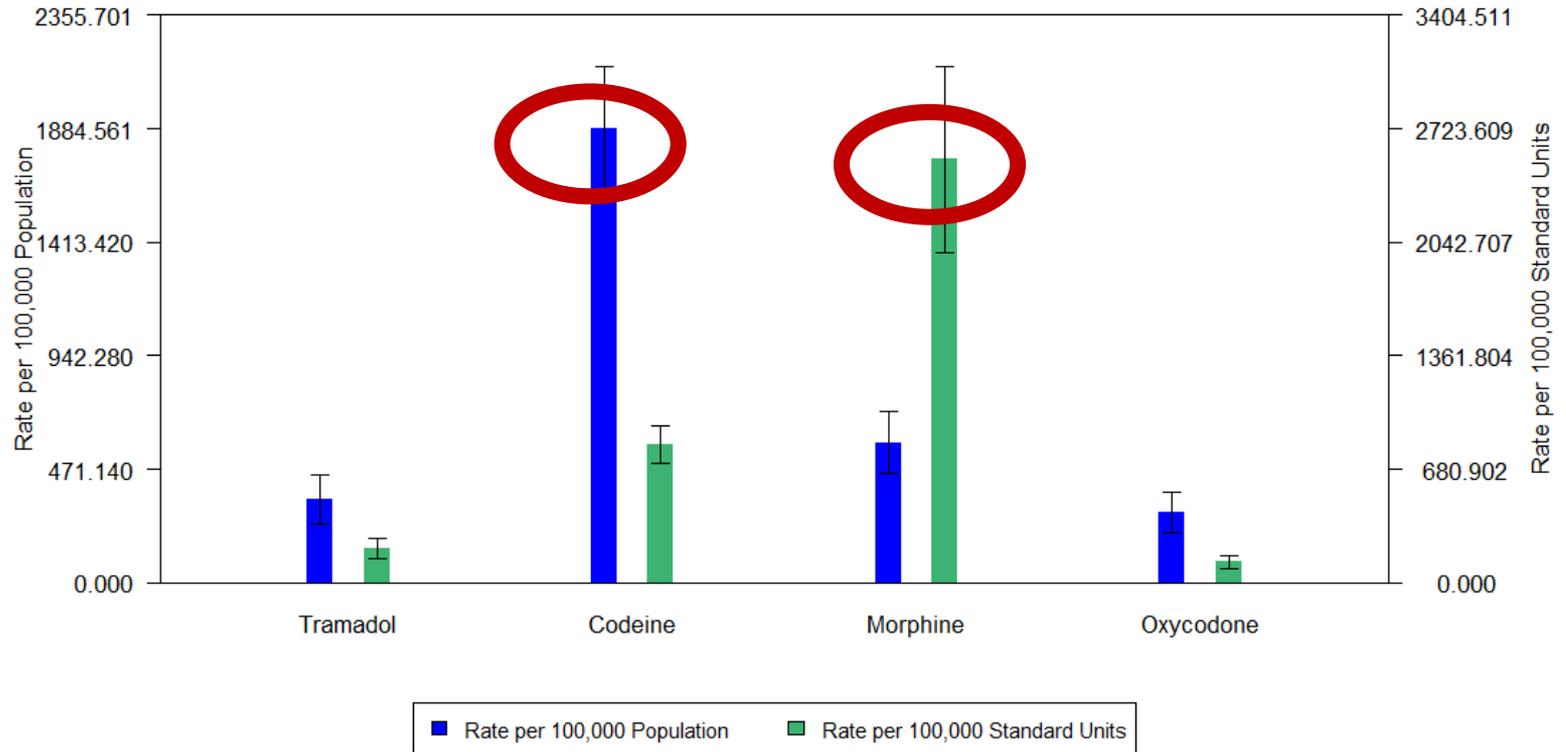
- Increasing prescribing for oxycodone
- Oxycodone and codeine most prescribed



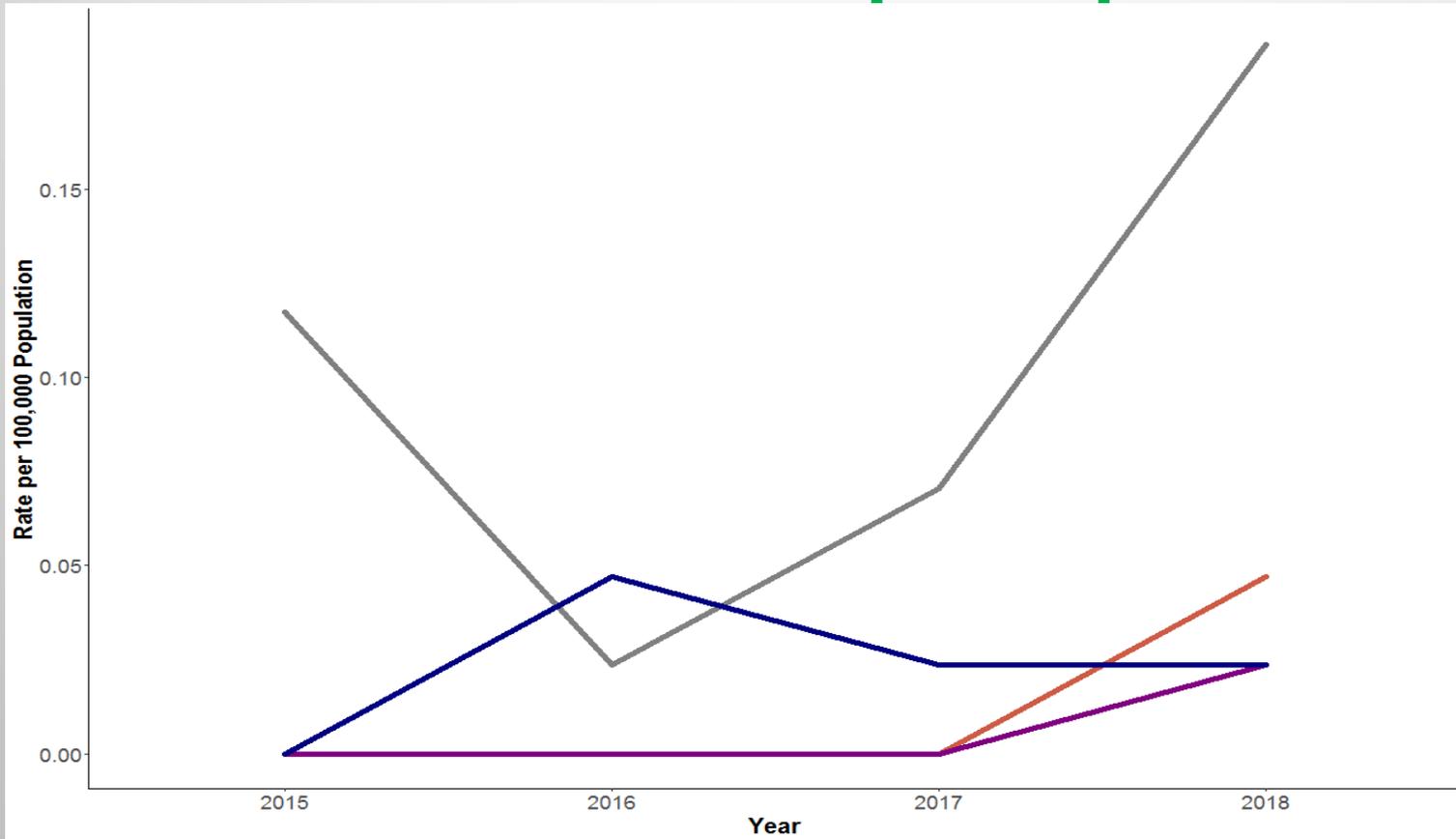
Italy : General Population Misuse by Class



Italy : General Population Misuse by APIs



Italy: Addiction Centres (Europad) Misuse Rate per Population



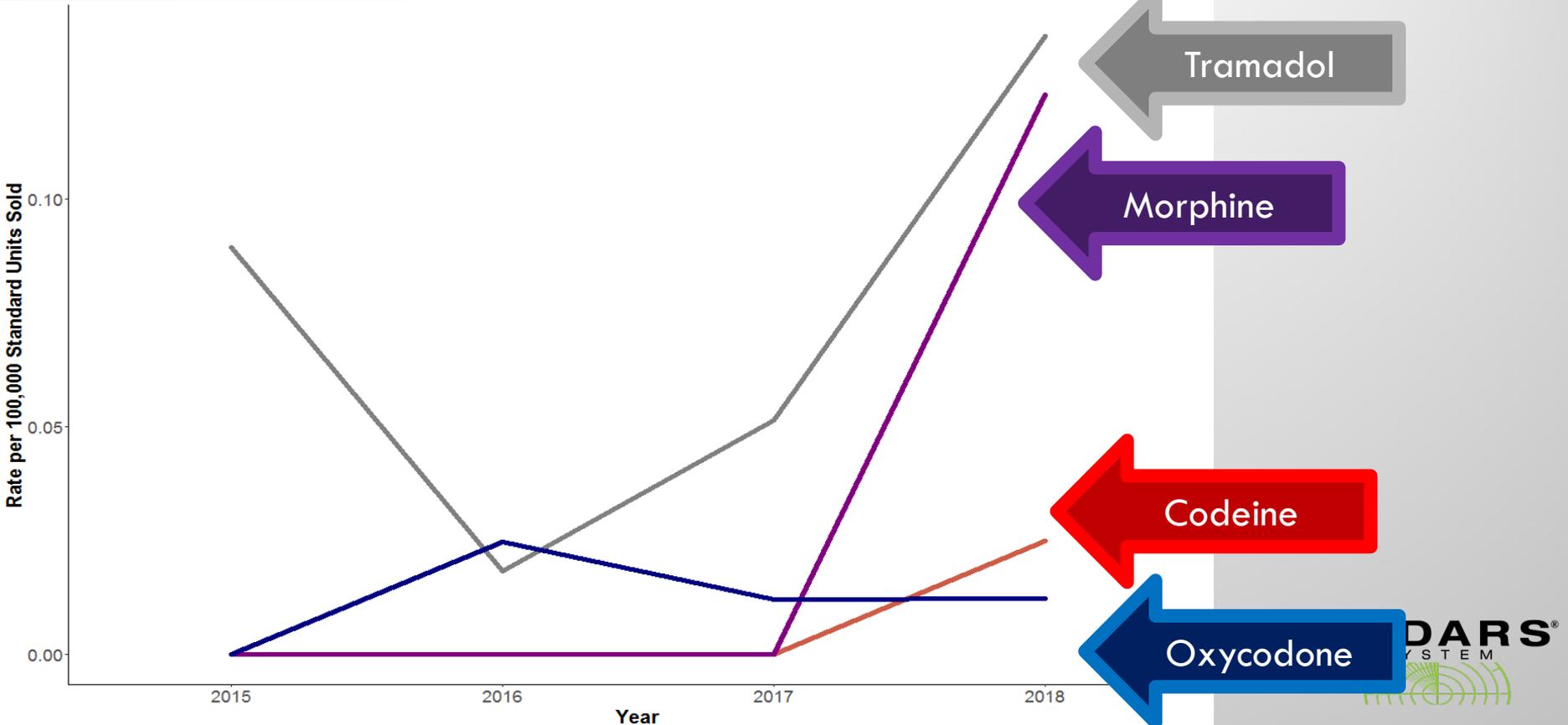
Tramadol

Codeine

Oxycodone

Morphine

Italy: Addiction Centres (Europad) Misuse Rate per Units Sold



Italy : Conclusions

- Rising rates of oxycodone prescribing
- General population shows pain and sedative medications most misused
 - Codeine most misused per population
 - Morphine most misused per drug availability
- Addiction centres show tramadol and codeine most misused
 - Morphine emerges when adjusted per drug availability