

NON-FATAL OVERDOSE Scientific Evidence

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OVERDOSE IN IRELAND



WHAT

HOW

WHY

WHO

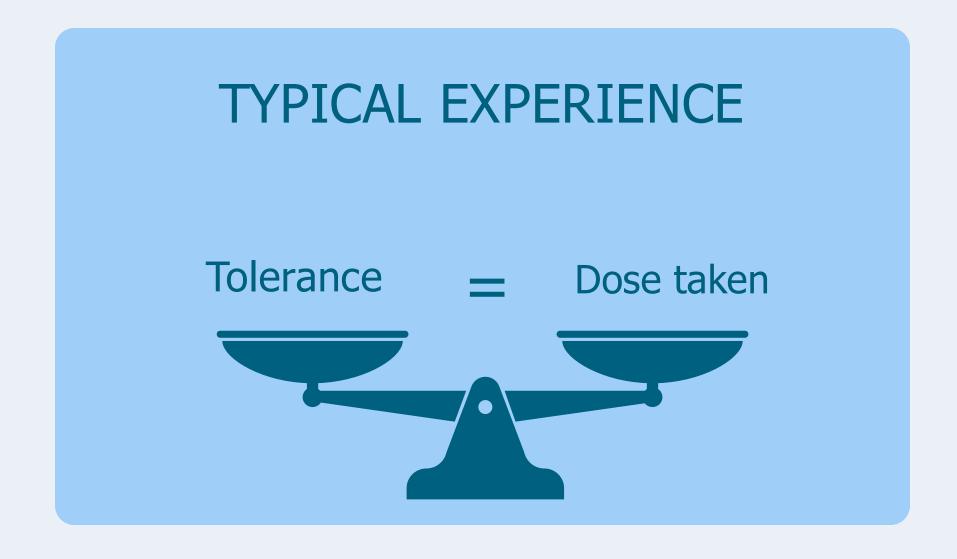
PREVENTION

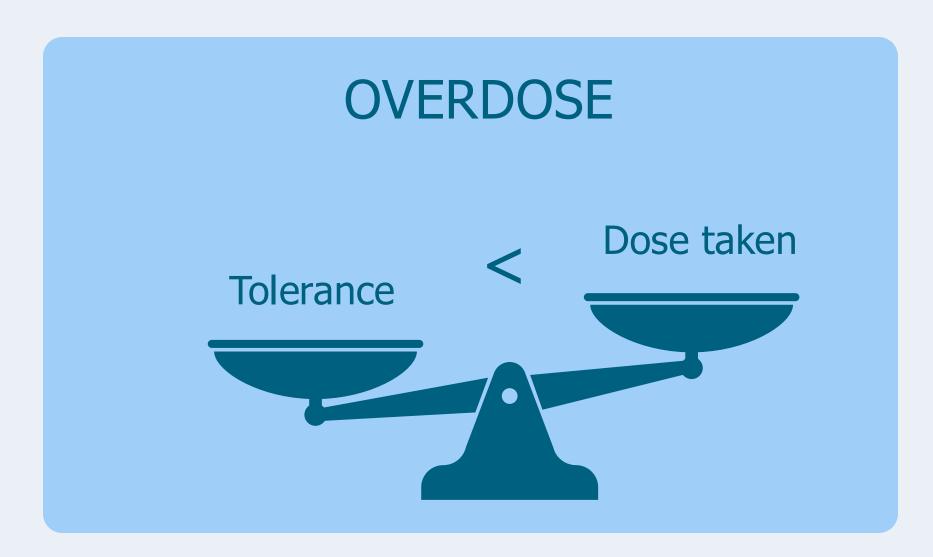
RESPONSE



WHAT IS AN OVERDOSE?

An overdose occurs when a person takes more of a substance than their body is used to (tolerance).







HOW DOES OVERDOSE OCCUR

The substances that are most commonly seen in overdoses can be broadly separated into 3 categories:

STIMULANTS

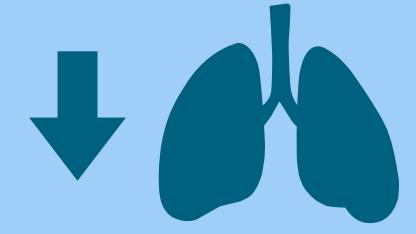
Overdose is dangerous due to: a high heartrate, seizure, and overheating



Examples: Cocaine, Methamphetamine, Adderall.

DEPRESSANTS

Overdose is dangerous due to:
slow breathing and
unconsciousness



Examples: opioids (heroin), benzodiazepines, sleeping tablets, alcohol, GHB.

DISSOCIATIVES

Overdose is dangerous due to: confusion, lack of motor control, and unconciousness





Examples: ketamine, PCP, Nitrous Oxide, DXM (Cough Syrup)

Other much less common substances in overdose are Hallucinogens, Cannabinoids, and other medications or substances

WHY DOES OVERDOSE OCCUR?

Overdose can occur due to many other reasons than a person just taking more than usual:



Reduced Tolerance

Intentional

WARNING!!!!



RISK FACTORS FOR NON-FATAL OVERDOSE



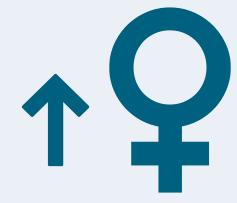
AGE

Younger people are more likely to overdose.



GENDER

Males are more likely to overdose, but female overdose is rising.



DRUG TYPE

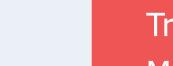
Opioids and benzodiazepines have the highest risk of overdose



Current OAT treatment can reduce risk.



- Depression
- Suicidal Behaviour
- PTSD and Bipolar Disorder



- Former OAT Treatment
- Multiple Treatment
- Episodes
- International
 - Research
- Lower Education
- Previous Incarceration
- Experiencing Homelessness



- Problematic Alcohol Use
- Needing Help Injecting

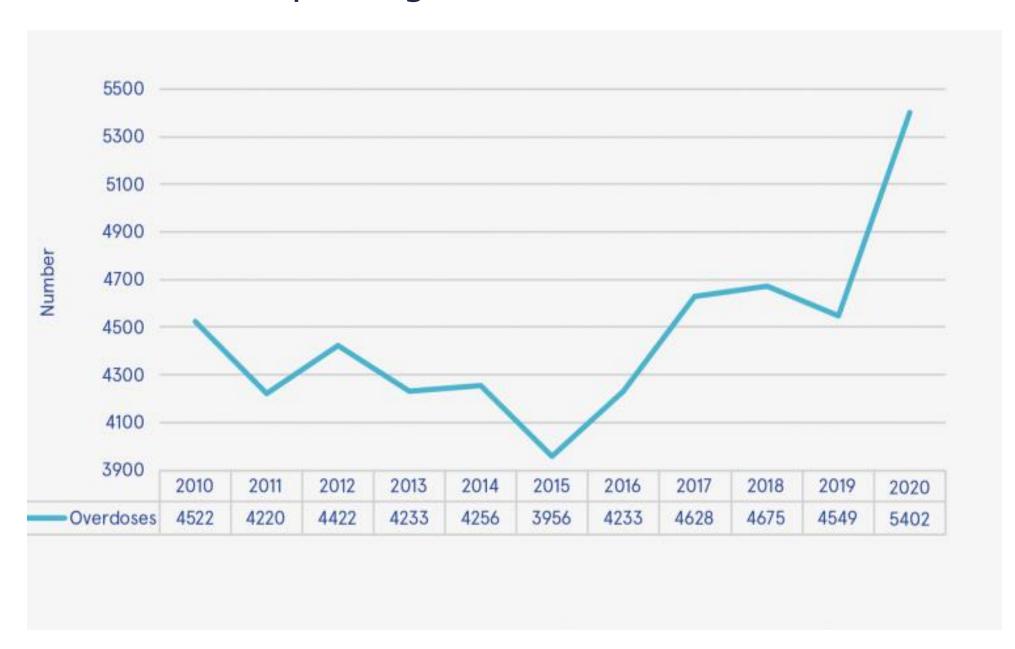
(Dunne & Ivers, 2024)



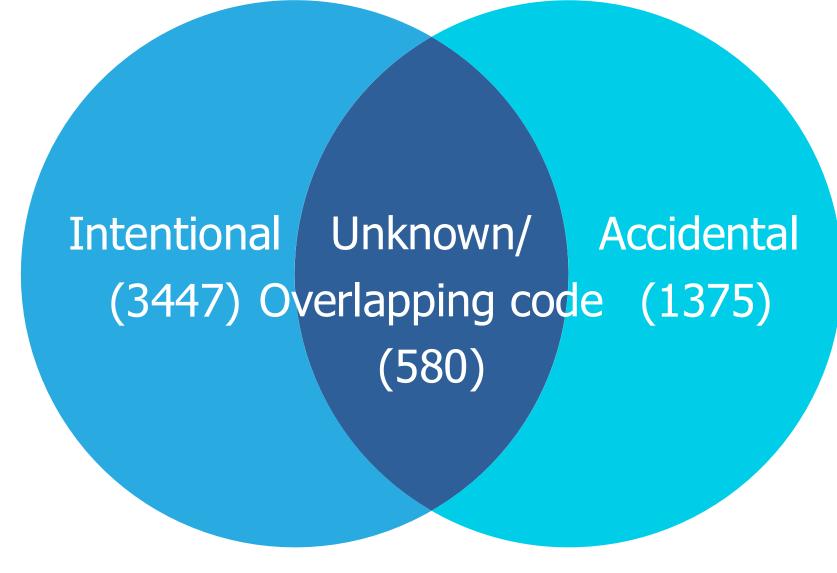
NON-FATAL OVERDOSE IN IRELAND



There has been a rise in non-fatal overdoses in Ireland, peaking at 5402 in 2020.



Reason for overdose





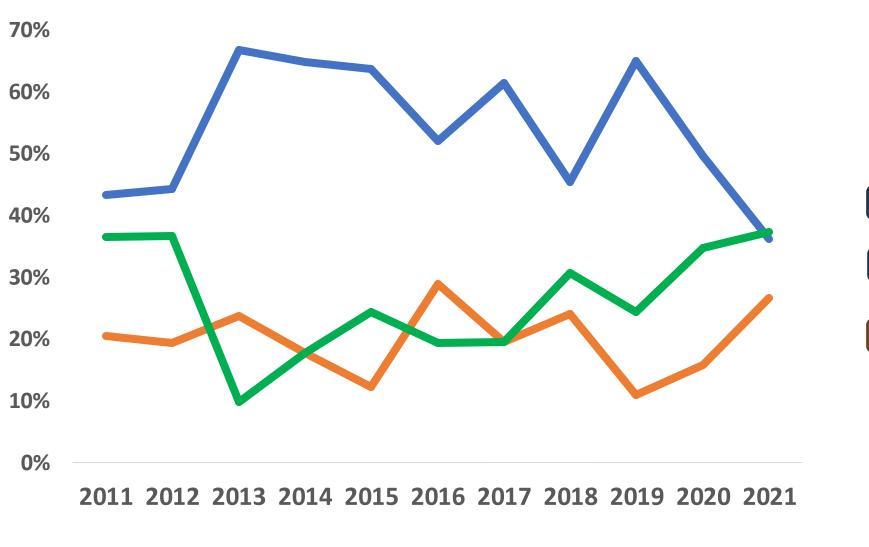
NON-FATAL OVERDOSE IN IRELAND

Heroin



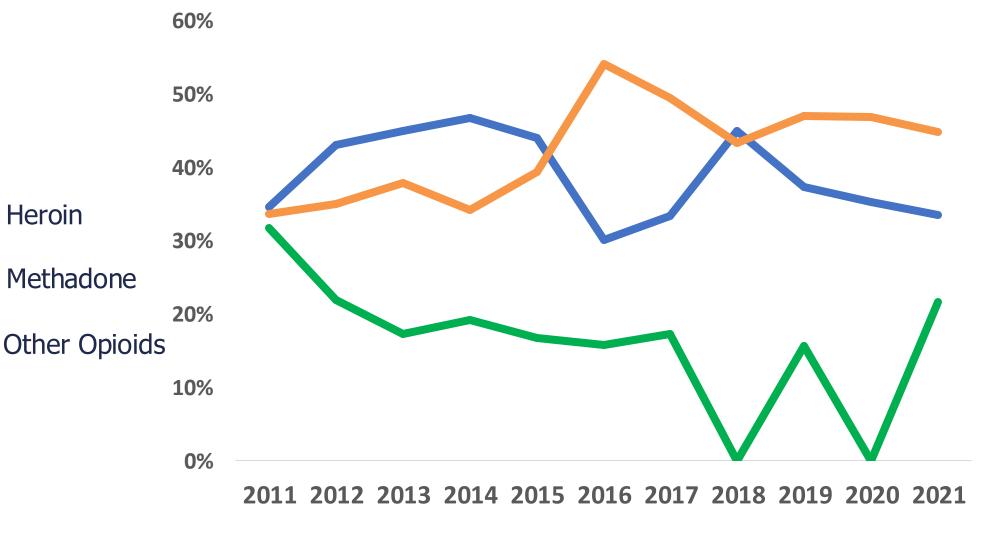
While heroin was usually the most commonly involved opioid in an overdose, it has been overtaken by others.

Non-fatal Overdose in Inner-City Dublin



In inner-city Dublin, methadone (marginally) is now the most implicated.

Non-fatal Overdose in Other Hospital



Outside of inner-city Dublin, "other opioids" are the highest cause of overdose.



LONG-TERM NEUROLOGICAL CONSEQUENCES

The most concerning long-term neurological consequence of opioid overdose comes from the brain not receiving oxygen (hypoxia).

If a person's breathing is reduced for more than 4 minutes, brain damage may occur.



COGNITIVE

- Memory issues
- Impulse Control
- Problem Solving
- Desicion Making

BEHAVIOURAL

- Depression
- Confusion
- Apathy
- Irritability

OTHERS

- Motor Control
- Speech issues

(Dysarthria, Aphasia)

Sensory Issues

THERAPIES

- Psychological
- Speech
- Physical
- Occupational



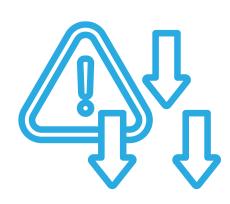
EVIDENCE-BASED INTERVENTIONS POST NON-FATAL OVERDOSE

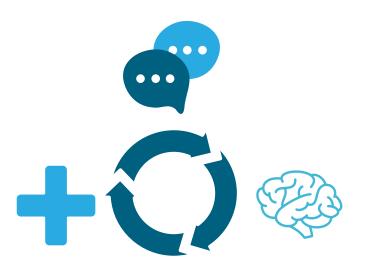












- Post-Overdose
 Outreach
- Brief Interventions and Motivational Interviewing
- Linkage to Substance use Treatment
- Explaining harm-reduction strategies
- Mental Health Support and Integrated Care

KEY INTERVENTIONS TO BE FURTHER DEVELOPED

Peer-Support and Recovery Coaching

Experienced peers guide others

- Goal-orientated
- Personal Support
- Resource Navigation



Emergency Department Interventions

Intervention at the point of contact

- Resource Linking
- Psychological Treatment
- Enabling Further Contact



Social Support and Housing Assistance

Based on the Recovery Capital Concept

Giving the person as many resources as possible to enable personal development





SUMMARY OF KEY LEARNINGS

Summary of overdose in Ireland

TOPICS DISCUSSED:

Causes of Overdose

Consequences of Overdose

Peer Intervention

AREAS TO FOCUS ON:

Prevention

Clinical and Psychological

Accessible Peer Support

KEY TAKEAWAYS:

Education

Treatment Equity

Increased Funding



THANK YOU FOR LISTENING! Reach out for any questions.

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SOCIAL MEDIA

