7 Minute Briefing

Nitrous Oxide (N20)

a.k.a 'hippy crack', 'laughing gas', 'balloons'

RNOH Safeguarding

Introduction

serious users facing up to 2 years in prison and dealers up to 14



News Update

8 November 2023

COV.UK Possession of 'laughing gas' is now illegal with repeat

tanks and even larger tanks containing 2,000 grams are now also being advertised N2O use by young adults in England in

Wales was first recorded in 2013-14 when 7.6% of those aged 16-24 reported using the drug in the past year. Prevalence peaked at 9.0% in 2016- 2017

Recent UK recreational use has been domi nated by 8g cannisters. Larger 640g sized

Estimated use of N2O by 16-24-year-olds was 8.7% in the year ending March 2020/1 making it the second most prevalent drug after cannabis.







Further information

N20-briefing-for-professionals-v1.0-DrugWatch-version.pdf (michaellinnell.org.uk)

Possession of nitrous oxide is now illegal - GOV.UK (www.gov.uk)

https://www.standard.co.uk/news/london/london-studentscampaign-awareness-dangers-nos-balloons-b1026936.html

https://www.frontiersin.org/articles/10.3389/fneur.2021.627183/ <u>full</u>



Effects

Concerns

A single inhalation will result in effects peaking about 10-30 seconds after inhalation and then rapidly dimin-

It produces a euphoric, pleasant, joyful, empathogenic and sometimes hallucinogenic effect, and causes a deep 'silly' voice.

Short term temporary side effects include pins and needles, numbness, dizziness, dissociation, disorientation, loss of balance, impaired memory and cognition and weakness in the legs



Nitrous oxide:

'Daily use of laughing gas left me in a wheelchair'

Kerry-Anne Donaldson, 26 and from east London, first started using nitrous oxide, also known as NOS, when she was 18, taking almost 100 canisters daily.

Five years later, she was taken to hospital after waking up with no sensation in her legs and arms. She now uses a wheelchair.



This is not an isolated case.

The RNOH Spinal Cord Injury Centre has seen a rise in spinal injuries related to nitrous oxide use.



The earliest symptoms of B12 deficiency are usually the persistence of tingling skin crawling or itching, numbness in hands and legs and later a staggering uncoordinated walk, lower limb weakness, muscle stiffness or twitching.

When B12 is inactivated by nitrous oxide, the myelin is no longer kept in good repair, which can cause spinal cord damage. resulting in some people being unable to walk. In some cases, this can last for months or years, or may even be permanent.



The Dangers of N20

- Burns: Ice burns
- Asphyxiation: (suffocation)
- Accidents: Driving under the influence Falls and trips



- People with heart conditions or abnormal blood pressure may be at higher risk.
- Use of N20 may induce psychotic symptoms in people with underlying mental ill health.
- Pregnant, breast-feeding or planning on becoming pregnant then you should avoid nitrous oxide as this can harm the baby

