### Drug Free Australia's series exposing pill testing misinformation

Episode 2 – How Ecstasy causes death



# Their narrative



• Pill Testing Australia falsely claims that pill deaths are from adulterants and impurities in party pills

"There are more than half a dozen different techniques available for identifying the ingredients of the pill including detecting the presence of dangerous contaminants." Dr Alex Wodak, The Catholic Weekly 24 January 2019

 They also falsely claim deaths are from MDMA overdose Catholic Weekly



https://www.catholicweekly.com.au/pill-testing-arguments-for-

- Two scientific analyses of coroners' reports on ecstasy (MDMA) pill deaths in Australia
  - The first is a subset of the second larger study with . . .
  - 392 ecstasy deaths between 2000 and 2018
    - no deaths from impurities identified
    - 5% of deaths had another drug mixed in the pill
    - this indicates that ecstasy is causal in 95% of deaths
    - 'bad batch' deaths almost non-existent in Australia
      - only 3 Chapel Street Melbourne deaths (2017)
    - so it is likely, on the probabilities of ecstasy causing the other 95% of deaths, that 99% are caused by it



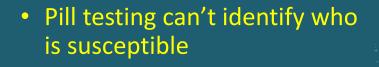
United Nations Office on Drugs and Crime (UNODC) presents

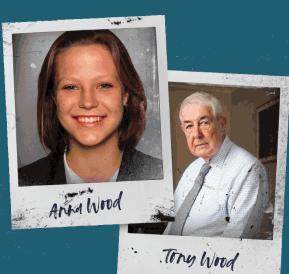
Science Addressing Drugs and HIV: State of the Art of Harm Reduction

Guest Editors: Monica Beg, Steffanie A. Strathdee, Michel Kazatchkine

• In the 2020 study of 392 Ecstasy deaths:

- 14% of deaths were from a reaction to MDMA
- akin to a deadly allergy as with the first death in Australia, Anna Woods
- no other drug in the pill





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United Nations Office on Drugs and Crime (UNODC) presents

Science Addressing Drugs and HIV: State of the Art of Harm Reduction

Guest Editors: Monica Beg, Steffanie A. Strathdee, Michel Kazatchkine

In the 2020 study of 392 Ecstasy deaths:

- 48% of deaths were from co-using MDMA pills with other legal and illegal drugs alcohol, amphetamines etc
- pill testing does not test users for their use of other drugs

- Pill testing can't identify who is using other drugs
- (and users can be educated of these dangers via ads on festival and nightclub screens)



United Nations Office on Drugs and Crime (UNODC) presents

Science Addressing Drugs and HIV: State of the Art of Harm Reduction

Guest Editors: Monica Beg, Steffanie A. Strathdee, Michel Kazatchkine

• In the 2020 study of 392 Ecstasy deaths:

• 29% of deaths were from accidents, mostly car accidents

• Pill testing cannot identify those who will have accidents



United Nations Office on Drugs and Crime (UNODC) presents

Science Addressing Drugs and HIV: State of the Art of Harm Reduction

Guest Editors: Monica Beg, Steffanie A. Strathdee, Michel Kazatchkine

- A medical journal study shows that rats that readily tolerate MDMA
  - at room temperature
  - with no social interaction

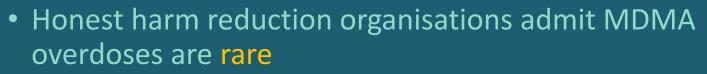
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- all die when
  - room temperature is increased 7 degrees Celsius and
  - when placed socially amongst other rats
  - Pill testing is superfluous for these factors

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Critical Role of Peripheral Vasoconstriction in Fatal B MDMA (Ecstasy) under Conditions That Mimic Hum Egens A Stark, Aberli Cin, Ker IV IV IV Research Michael H Baueran, sur Ven Bater and Kinder and Stark Bills 1981 TRATE, Diriver 1982 (BEARD Stark Bills	
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	References     Figures & Data
Introduction	Figures & Dats     Into & Metrics
3,4-Methylenedioxymethamphetamine (NDMA; "Ecstasy," 'Molly') is a psychoactive amphetamine	O eletters
derivative used for recreational purposes worldwide (United Nations World Drug Report, 2013).	O Dror
NDNA is a Schedule I controlled substance in the United States and under similar restrictions	
In most Western countries, but whether NDIIA is harmful remains a contentious issue (Pentiney, 2001: Check, 2004: Parroll, 2013). Initial studies in human and laboratory animals showed that	Keywords
2001; Check, 2004; Parrolt, 2013). Initial studies in numariand laboratory animals showed that NDNA excessive can induce life-threatening health complications, including fatal hiperthermia	acute intoxication, brain temperature, MDMA, peripheral
(Gordon et al., 1991; Rioaurte et al., 2000; Kalant, 2001). However, clinical evidence suggests	vasoconstriction, social interaction, warm environment
that MDMA at low doses may be beneficial as a therapeutic adjunct in the treatment of post-	Responses to this article
traumatic stress disorder (PTSD) and other anxiety-related disorders (Doblin, 2002; Bouso et al.,	
2008; Mithoefer et al., 2015).	Respond to this article

https://www.jneurosci.org/content/34/23/7754

#### Overdose is rare



- Drug Policy Alliance says "Overdoses are extremely rare and are also usually linked to dehydration or mixing drugs, rather than as a direct result of using ecstasy.
- Dancesafe says "Stop calling them overdoses"
- Despite overdose being rare, pill testing outfits keep telling the public and politicians that pill testing is needed to test the MDMA dose and purity in pills – a notion falsely premised on MDMA overdose being common

FACTS about DRUGS: MDMA





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DanceSafe Responds to LA Weekly Misinformation

pdrugpolicy.org

DanesSafe was founded in 1998 in order to help young people in the electronic music community stay safe. In particular, our aim was to help reduce the potential risks and harms associated with the use of ecstasy (IDMA), a therepartic medicine and recreational drug whose prohibition in 1985 quickly spawned the most adulterated, likel drug market in the work. Not only were there dozens of other drugs being sold under the amer "ecstasy," but many of them were far more dangerous than MDMA. The situation remains the same today, despite ecstasy are branding as "moly;" Following the example of the Dutch government, we began <u>testing ecstasy tablets</u> at raws in the San Francico Bay Area in order to help people who used the drug avoid testing ecstasy tablets at areas in the San Francico Bay Area in order to help people who used the drug avoid mosts that faile and adulterated oils. In addition, we submoled albordtors washis is poram whose an once

https://web.archive.org/web/20201020063248/https://drugpolicy. org/sites/default/files/DPA\_Fact\_Sheet\_MDMA.PDF

https://dancesafe.org/mdma-related-deaths-stop-calling-them-overdoses/

#### Summary

- With MDMA deaths caused by:
  - idiosyncratic, personal reactions

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- polydrug use
- accidents
- social environment
- ambient temperature

• Pill testing has no value in identifying any of the real factors



### Next episode

• In this series

- 1. It's the ecstasy, stupid!!
- 2. How ecstasy causes death

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- 3. More deaths the result
- 4. The UK's bad experience
- 5. Better equipment useless
- 6. Call out your politicians

# Information

#### • For more detail

#### PUBLIC EDUCATION

AT 1 A PART

#### WHAT EVERY AUSTRALIAN YOUNG PERSON NEEDS TO KNOW ABOUT



https://d3sdr0llis3crb.cloudfront.net/images/book-paperpdf/Ecstasy\_Deaths-INFOSheet31-01-20.pdf