

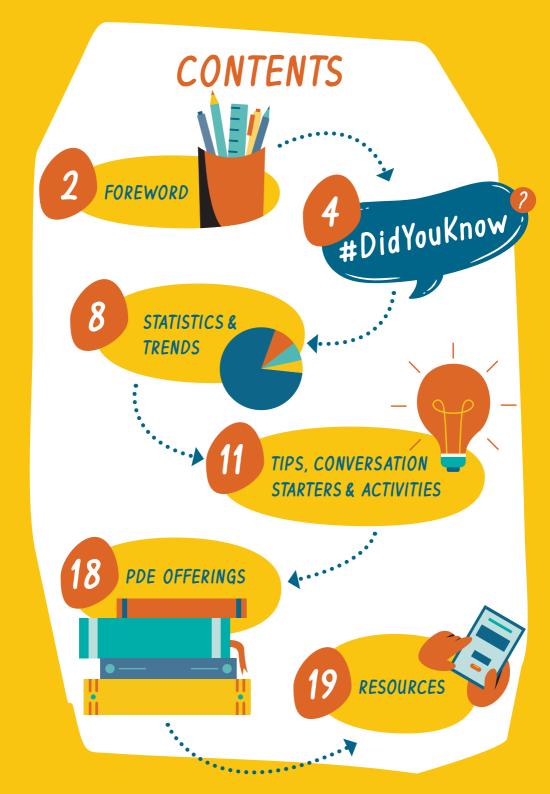




How can I start a conversation on this?

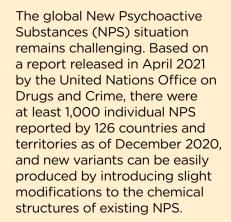
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FOREWORD

In Singapore,
NPS is one of
the three most
abused types
of drugs
since 2018.



The abuse of NPS can cause adverse physical and psychological reactions, including paranoia, seizures, hallucinations and even death. These include variants of chemically altered MDMA*, methamphetamine, ketamine, LSD^ and synthetic cannabinoids.

In Singapore, NPS is one of the three most abused types of drugs since 2018. In 2019, NPS overtook cannabis as the second most commonly abused type of drugs amongst new abusers arrested locally. This remains an area of concern.

The Central Narcotics Bureau (CNB) regularly reviews its strategies to improve the detection and regulation of NPS, including the listing of new variants as controlled drugs under the Misuse of Drugs Act (MDA). While a significant proportion of the NPS reported overseas are currently already listed under the MDA, it remains a challenge as perpetrators constantly come up with variants that are yet to be listed, so as to evade control.

To address these challenges, we continue to strengthen our laws to allow CNB to take decisive actions against the abuse and trafficking of a wider range of NPS and newer, synthesised drugs that are beginning to surface in other parts of the world.

It is important to guide our youths towards making the right choices and leading a drug-free, healthy lifestyle.

It is important to guide our youths towards making the right choices and leading a drug-free, healthy lifestyle. I hope this information booklet can equip persons of influence with factual information about NPS, so that we can build a drug-free society together, where everyone can live, work and play safely.

Mr Ng Ser Song

Director Central Narcotics Bureau

*MDMA: methylenedioxymethamphetamine ^LSD: lysergide

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#DidYouKnow

WHAT ARE NEW PSYCHOACTIVE SUBSTANCES (NPS)?



New Psychoactive Substances (NPS) refer to substances that mimic the effects of controlled drugs such as cannabis, cocaine, "Ecstasy", methamphetamine or heroin. They are produced by introducing slight modifications to the chemical structures of existing NPS and controlled drugs to create new variations that are not yet controlled. Some common names include "Spice", "K2", "bath salts", "Kronic", "Mushroom" and "synthetic weed".

WHY ARE NPS DANGEROUS?

NPS are usually marketed as "legal highs" as they may yet to be controlled by the authorities which gives the wrong impression that they are safe to consume, though they are not.

On the contrary, NPS are illicit in nature, and are known to be abused recreationally, clandestinely manufactured and associated with overdose fatalities or adverse reactions. There is generally a lack of information regarding their pharmacological effects and toxicities.

References for toxicology effects

- 1 United Nations Office on Drugs and Crime. (2020). NPS: New psychoactive substances [Brochure]. https://www.unodc. org/documents/scientific/NPS-Leaflet WEB_2020.pdf
- 2 Drug Enforcement Administration. (2011). Drugs of Abuse: A DEA Resource Guide. U.S. Department of Justice. https://www.hsdl. ora/?view&did=690750
- 3 Global SMART Programme. (2013). The challenge of new psychoactive substances. United Nations Office on Drugs and Crime.
- 4 European Monitoring Centre for Drugs and Drug Addiction. (2017). Perspectives on drugs: Synthetic cannabinoids in Europe. https://www.drugsandalcohol.ie/27398/1/POD_Synthetic%20cannabinoids_0.pdf

In Singapore, NPS may be found in "smoking blends" which are botanical materials coated with NPS, or in tablets that are sold as "Ecstasy".

NPS have **unknown**, **dangerous toxicology effects**, and are as addictive and harmful as controlled drugs. Abuse can lead to:



Severe intoxications¹



Severe toxic reaction leading to death¹



Paranoia²



Hallucinations^{2,3}



Adverse cardiovascular problems³



Renal failure³



Seizures^{3,4}

SINGAPORE'S POSITION AND APPROACH ON NPS



Strengthening legislation

The Central
Narcotics Bureau
(CNB) adopts a
multi-pronged
approach in
dealing with the
NPS threat by



Working with partners to enhance its detection and enforcement capabilities



Renewing its efforts to educate youths about the harms of drugs, including NPS

CNB regularly reviews its strategies to improve the detection and regulation of NPS. This includes the regular listing of NPS that have emerged in the global market with no licit uses. A significant proportion of the NPS reported overseas, even though they have not been detected locally, are currently listed as controlled drugs under the Misuse of Drugs Act (MDA).



LEGISLATIVE POWERS TO TACKLE NPS

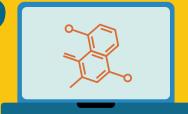


2010

In 2010, Singapore listed three NPS as controlled drugs under the MDA, the first time that such a listing was done for NPS. However, listing individual NPS under the MDA laws can be a lengthy procedure and may not be a fitting response to the fast-paced nature of the NPS market.

Thus, in May 2013, a generic listing approach was introduced, which allowed CNB to control a large number of closely related substances that share the same core molecular structure and substitution patterns.





2021



As of 1 May 2021, Singapore has listed another 13 NPS as Class A controlled drugs. There are now 12 generic groups and 80 individually named NPS currently listed under the MDA. This allows CNB to take action against any activities involving a wide range of new, synthesised substances as the trafficking, manufacture, import, export and possession of these substances will constitute as offences under the MDA.

STATISTICS & TRENDS

Global Trends

Based on a United Nations Office on Drugs and Crime (UNODC) report dated April 2021, as of December 2020, a total of 1,047 individual NPS were reported to the UNODC by 126 countries and territories.

NUMBER OF NPS REPORTED EACH YEAR

2019

314%
increase
in 62 countries
and territories

NPS first emerged in Europe in 2004 and have since grown in variants. Between 2012 and 2014, substances reported for the first time were mostly synthetic cannabinoids.

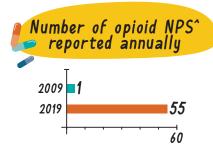
MOST OF THE SYNTHETIC NPS IDENTIFIED GLOBALLY (2009-2019)*





*According to the World Drug Report 2020

Of concern is also the sharp increase, in relative terms, in the number of opioid NPS reported annually.



^Includes fentanyl analogues and new chemical classes of synthetic opioids. These have proven to be particularly harmful, leading to NPS-related deaths, particularly in North America and, to a lesser extent. Europe.

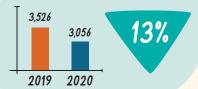
However, the World Drug Report 2021 highlighted that the number of NPS found at the global level has been stabilising in recent years. Quantities of synthetic NPS seized have also declined, including synthetic cannabinoids. National and international drug control systems have succeeded in containing the spread of NPS in high-income countries where different types of legislation have been applied.

OVERVIEW OF SINGAPORE'S ORUG SITUATION IN 2020*

NEW DRUG ABUSERS ARRESTED

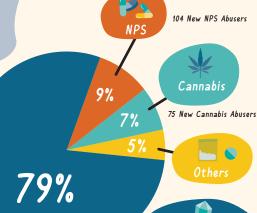


TOTAL DRUG ABUSERS ARRESTED



Proportion of new drug abusers arrested remained high at 38% of total drug abusers arrested

About 62% of new drug abusers arrested were below 30 years old



Methamphetamine, NPS and cannabis were the three most commonly abused drugs by new drug

abusers arrested in 2020

NEW ABUSERS

BY DRUG TYPE

914 New Methamphetamine Abusers

Methamphetamine

*The latest annual statistics are available at www.cnb.gov.sg.



TIPS

Do you know the tell-tale signs that your students/children are abusing drugs, and how you can help them avoid these dangers? Here are some ways you can engage them:

KNOW THE SIGNS



Hangs around with a different group of friends



Sudden drop in school grades



Exhibits extreme mood swings



Displays poor body coordination

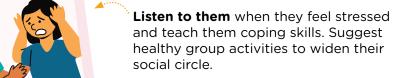


Has bloodshot/ sunken eves



Skips school regularly

WAYS TO HELP YOUTHS STAY DRUG-FREE





Equip them with the skills to refuse drug offers. This may include decision-making skills to assess the consequences of the different opinions they will face, as well as creative thinking and problem-solving skills.



to emphasise that substance abuse is not the right way to fit in.



Involve them in work that requires higher responsibility so that they are gainfully occupied and feel valued.



Develop their self-awareness so that they can recognise their own strengths and weaknesses. Give praise where it is due.

CONVERSATION STARTERS & ACTIVITIES

Below are some recommended activities to engage youths at different levels. Where suitable, you can consider engaging students in class discussions or friendly debates to discuss the topic of drugs in Singapore and have them conduct research to support their propositions.

For Primary Level

Pre-activity:

Conversation starters

WHAT CAN YOU DO WHEN SOMEONE OFFERS YOU DRUGS OR UNKNOWN SUBSTANCES? HAVE YOU HEARD OF DRUGS? HOW ARE THEY DIFFERENT FROM MEDICINE?

WHAT ARE THEIR HARMFUL EFFECTS?

Activities



Design a poster on how to say 'No' to drugs. Examples:

- I say 'No' to drugs because they make me fall sick easily.
- 2 I say 'No' to drugs by not mixing with bad influence.



Role Play: Take turns to play the role of 1) a friend who is introduced to NPS by friends outside of school; and 2) a friend who knows the harmful effects of drugs.

Consider the following:

- How would you dissuade your friend from taking drugs?
- How would you explain to your friend that it is okay not to succumb to peer pressure and that taking drugs does not make him or her look cool/grown-up?



Learn through play: Try out 'Drug Buster Buddies', an Augmented Reality mobile game application by CNB, and learn about the harmful effects of drugs through this interactive gameplay experience.



For Secondary Level

Pre-activity:

Conversation starters

DO YOU HAVE FRIENDS WHO THINK LIGHTLY OF DRUG ABUSE? IF SO, HOW DO THEY SHOW IT?

WHY DO SOME PEOPLE ABUSE DRUGS?

WHAT DO YOU KNOW ABOUT THE HARMFUL EFFECTS OF DRUGS SUCH AS NPS?

WHAT KIND OF MISPERCEPTIONS ABOUT DRUGS ARE PORTRAYED IN POP CULTURE/MEDIA?

Tips

Refer to pages 4-5 for some pointers and to pages 20 for a video that can be played as a preamble to the activity.

Activities

Write down three **ways you overcome stress**. Share it with your partner/group.



Which stress-coping techniques do you identify with?

- **Problem-focused:** You tend to focus on solving problems by tackling the issue head-on, sometimes by breaking down the problem into smaller parts and addressing them bit by bit. You seek practical advice and solutions from a family member or close friend.
- **Emotion-focused:** You tend to adopt a positive mindset by seeing the good in a negative situation and seeking emotional support from others.
- Disengagement: You tend to give up, actively avoid the problem or choose to think about something else.



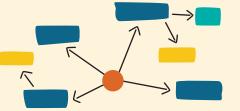


#DIDYOUKNOW?

Adopting a variety of coping techniques is healthy. However, disengagement from major stressors in life will not solve your problem. Some may even turn to extreme or dangerous ways of coping by abusing drugs to distract themselves from the problem. Drugs do not solve your problem; on the contrary, they only add to your troubles.

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Celebrate life! Draw a **mind map** of things you like to do and/or would like to learn or do.



Role Play: Take turns to play the role of 1) a friend who is feeling stressed from the upcoming examinations and was persuaded by bad influence to take NPS; and 2) a friend who knows that drugs will not help relieve examination stress but will in turn lead to addiction.

Consider the following:

- Would you be able to stand up against bad influence and help your friends stay away from drugs?
- Would you know enough about the harmful effects of NPS to be able to quide your friend away from them?



For Post-**Secondary Level**

Pre-activity: Conversation starters

WHY DOES SINGAPORE ADOPT A ZERO-TOLERANCE STANCE AGAINST DRUGS AND DRUG ABUSE?

DO YOU KNOW ENOUGH ABOUT THE HARMFUL EFFECTS OF NPS TO BE ABLE TO GUIDE YOUR FRIEND AWAY FROM THEM?

Tips

Refer to pages 4-5 for some pointers and to pages 20 for a video that can be played as a preamble to the activity.

HOW CAN WE TACKLE FAKE NEWS REGARDING DRUGS, E.G. THAT SOME DRUGS ARE NOT ADDICTIVE?

WHAT WOULD BECOME OF OUR SOCIETY IF DRUGS ARE LEGALISED IN SINGAPORE?

Activities



Debate/discuss the socioeconomic and cultural consequences of drug abuse in Singapore.



Write down three ways to lead a drug-free lifestyle. You can consider some activities you and your friends can engage in.





What creative ways could you use to persuade your friend or a loved one against abusing NPS?



Other recommended activities

Commemoration of the International Day Against Drug Abuse and Illicit Trafficking (26 June) in schools:

- Primary and secondary level students can spend some time on the annual anti-drug ribbon folding activity and learn about the harmful effects of drugs.
- Post-secondary level students may consider working with CNB Communications Division on other commemorative projects.

Scan the QR code for a short video demonstration of the ribbon folding activity.





Character and Citizenship Education (CCE) lessons or after-school sessions:

Use this time to share useful information to increase students' knowledge, social and life skills, and refusal skills towards drug abuse. Read more about CNB's Preventive Drug Education (PDE) offerings in the next section and PDE messaging in the MOE syllabus in the "Resources" section.





Lesson plans and teaching aids:

These have been developed for educators and are available online (both on the CNB website and on the MOE's Discipline Resource Portal).





PREVENTIVE DRUG **EDUCATION (PDE) OFFERINGS**

#DIDYOUKNOW?

CNB has the following PDE offerings for educators, counsellors and parents, as well as students, to take an active role in keeping our voung away from druas.

General

- Monthly e-Newsletter (for teacher and parent advocates)
- Toolkit (for educators, counsellors and parents)
- Information booklet kNOw Cannabis (for educators. counsellors and parents)
- Message Cards (for educators, counsellors and parents)
- Learning Journeys (for students, educators and counsellors)
- Talks (for students, educators, counsellors and parents)
- Interactive Skits (for students)
- Exhibitions (for students)
- Videos at CNB's social media handle @CNB.DrugFreeSG

Post-Secondary Level

- Anti-Drug Advocate (ADA) Programme
- Collaboration on anti-drug projects as part of course curriculum (e.g. final year projects)
- Collaboration on anti-drug
- Sponsorship of collaterals for activities with anti-drug elements

Pre-School and Primary Levels

- Interactive book Be Careful, Max! (for ages 4 to 6
- Activity book Captain Drug Buster & Dr. Wacko: The Origin (for ages 5 to 8 years old)*
- Illustrated book Captain Drug Buster vs Dr. Wacko: The Final Showdown (for ages 7 to 9 vears old)*
- Anti-Drug Ambassador Activity (for ages 10 to 11
- 'Drug Buster Buddies' Augmented Reality mobile game application (for ages 7 to 12 years old)

Secondary Level

- Comic book Captain Drug Buster vs Dr. Wacko: The First Encounter*
- Small group sharing sessions by ex-abusers (for vulnerable students)
- Augmented Reality exhibition
- After-School Engagement programme
- 'Conquer' board game

*Available at all school and public libraries.

Scan this QR code to find out more on the CNB website.





#DIDYOUKNOW? CNB has produced the following PDE resources to raise awareness about NPS and aid persons of influence such as educators, counsellors and parents.

Resources

INFOGRAPHICS

NPS Mythbuster Series







NPS ARE DESIGNED TO MIMIC THE EFFECTS OF CONTROLLED DRUGS

YOU DON'T KNOW WHAT CHEMICALS YOU'RE INGESTING, AND HOW TOXIC THESE SUBSTANCES CAN BE.











NPS AFFECT YOUR HEALTH IN WAYS YOU DON'T KNOW ABOUT





FACT: NPS CONTAIN UNKNOWN TOXICITY LEVELS













MYTH BUSTED: NPS ARE MERELY DESIGNED TO MIMIC ILLEGAL DRUG: THEIR ACTUAL CONTENTS ARE NOT





Resources

VIDEOS



NPS Mythbuster Series

1:22 min

In this MythBuster series, we seek to uncover more facts about NPS. No matter how fancy NPS may sound, they all lead to the same grim fate.



go.gov.sg/npsmythbuster









A video sharing by an ex-abuser and a student

6:11 min

CNB collaborated with Team HBYP, winner of the DrugFreeSG Competition 2020 (Young Adult category) to produce a video interview of Matthew, an ex-abuser and Aqil, a student to share their thoughts on NPS and drug abuse.



go.gov.sg/npsmatthew







What are new psychoactive substances?

2:57 min

A video by the European Monitoring Centre for Drugs and Drug Addiction (EMCDDA) to explain NPS.







Resources

ARTICLES OF INTEREST



Combatting the rising threat of new psychoactive substances

Source: TODAY







Laws to be amended in first half of 2021 to allow swifter enforcement against new psychoactive substances

Source: The Straits Times Online







Keeping ahead in detecting new generation of drugs in Singapore with names like Spice

Source: The Straits Times Online







CNB seizes more than 1kg of psychoactive substances, some disguised as tobacco

Source: CNA Online



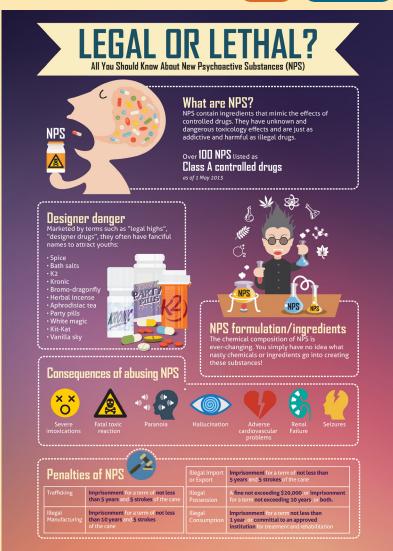








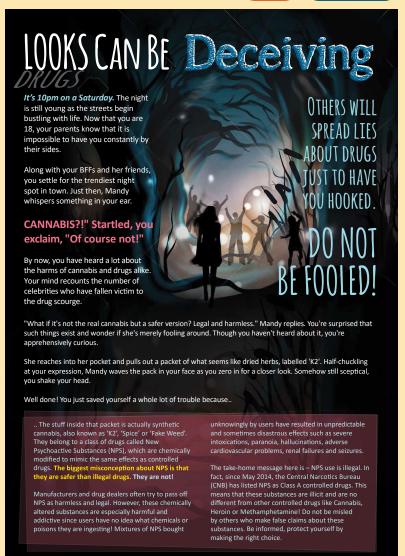




Access the poster at go.gov.sg/npslegalorlethal.







Access the poster at go.gov.sg/npslookscanbedeceiving.

PDE MESSAGING IN THE MOE SYLLABUS

#DIDYOUKNOW? CNB has collaborated with the MOE to incorporate the following PDE messaging into the current syllabus:

Primary 4 and 5Health Education

textbook,
An Active and
Healthy Me –
Substances
harmful to health

Lower Secondary Science (Normal Technical) textbook, Science Around Us –

What are drugs

and their effects?

Secondary 1

Character and Citizenship Education lesson plan – "In Control"

> Secondary Science (Normal Technical) Anti-Drug Module – "Drugs and their effects" on the Student Learning

Space (SLS)

OTHER RESOURCES

#DIDYOUKNOW? There are also useful resources from the UNODC, which include:

"Listen First" campaign:

A science-based approach to drug prevention that advocates listening to children and youths as the first step to help them grow healthy and safe. Materials are available at https://www.unodc.org/listenfirst.





NOTES





#DIDYOUKNOW? The colours of the anti-drug ribbon, which is a green ribbon over a white one, represent 'Health', 'Vitality' and 'Strength'.

Sources

- United Nations Office on Drugs and Crime. (2020). NPS: New psychoactive substances [Brochure]. https://www.unodc.org/documents/scientific/NPS-Leaflet_WEB_2020.pdf
- 2 United Nations Office on Drugs and Crime. (2019). Current NPS Threats (Vol. I, March 2019). https://www.unodc.org/pdf/opioids-crisis/ Current NPS Threats - Volume I.pdf
- 3 United Nations Office on Drugs and Crime. (2020). Current NPS Threats (Vol. II, January 2020). https://www.unodc.org/documents/ scientific/Current NPS Threats Volume II Web.odf
- 4 United Nations Office on Drugs and Crime. (2020). Current NPS Threats (Vol. III, October 2020). https://www.unodc.org/documents/ scientific/Current NPS Threats Vol.3.pdf
- 5 United Nations Office on Drugs and Crime. (2020). The growing complexity of the opioid crisis (Global SMART Update, Vol. 24, October 2020). https://www.unodc.org/documents/ scientific/Global SMART-2020-Vol 24 web.pdf
- 6 United Nations Office on Drugs and Crime. (2021). Regional Diversity and the Impact of Scheduling on NPS Trends (Global SMART Update, Vol. 25, April 2021). https://www.unodc.org/documents/scientific/GlobalSMART 25 web.pdf

- 7 UNODC Early Warning Advisory (EWA). (2021). Early Warning Advisory on New Psychoactive Substances. United Nations Office on Drugs and Crime. https://www. unodc.org/LSS/Page/NPS
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- 10 United Nations Office on Drugs and Crime. (2021). 'Listen First' initiative. https://www. unodc.org/unodc/en/listen-first/index.html
- 11 European Drug Addiction Prevention trial (EU-Dap), (2016). UNPLUGGED Area: Education Material. https://www.eudap.net/Unplugged-HomePage.aspx





Visit the CNB Website at www.cnb.gov.sg for more information on drugs and drug abuse, and to download a digital copy of this booklet.

CNB Hotline: 1800-325-6666

