









## ADDICTION RARE IN PATIENTS TREATED WITH NARCOTICS

WITH NARCOTICS

To the Editor: Recently, we examined our current files to determine the incidence of narcotic addiction in 39,946 hospitalized medical patients' who were monitored consecutively. Although there were 11,882 patients who received at least one narcotic preparation, there were only four cases of reasonably well documented addiction in patients who had no history of addiction. The addiction was considered major in only one instance. The drugs implicated were meperidine in two patients, Percodan in one, and hydromorphone in one. We conclude that despite widespread use of narcotic drugs in hospitals, the development of addiction is rare in medical patients with no history of addiction.

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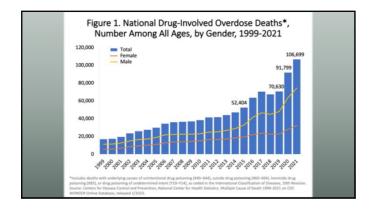
- Jick H, Miettinen OS, Shapiro S, Lewis GP, Siskind Y, Slone D. Comprehensive drug surveillance. JAMA. 1970; 213:1455-60.
   Miller RR, Jick H. Clinical effects of meperidine in hospitalized medical patients. J Clin Pharmacol. 1978; 18:180-8.

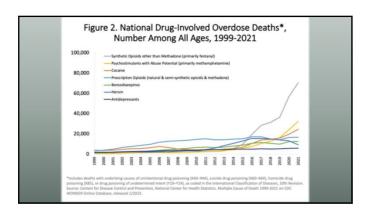
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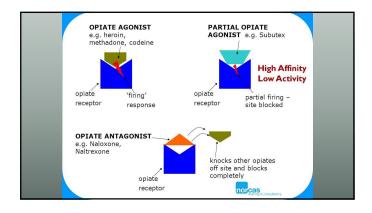












## **MAT Treatment Effectiveness**

- Reductions in overdose and overall death rates
- Reductions in opioid use and other substance use/misuse
- Improved HIV and Hep C outcomes
- Increased likelihood that a person will reatment
- Reduced criminal justice involvement
- Increased likelihood of employment
- Recent evidence suggesting cost effective and improved quality of life

(Norton et al 2017, Altice et al 1999, Kenworthy et al., 2017; Nosyk et al., 2015 Schwartz et al 2013, Sordo et al 2017)

22 substances detected in street drug supply since late September 2023	11.Gabapentin	
Control of the Contro	<ul> <li>Anticonvulsant, treats nerve pain and partial seizures</li> </ul>	
1. Fentanyi	12.Methamphetamine	
2. Heroin	o CNS stimulant	
3. 4-ANPP	13.Quinine	
<ul> <li>Non psychoactive substance created from improper</li> </ul>	<ul> <li>Cutting agent and was first used as a malaria drug. It is also present in</li> </ul>	
processing/synthesis of fentanyl	tonic water.	
4. Cocaine	14.1,3 Diacetin	
5. Tropacocaine	<ul> <li>Oxygenated fuel additive to boost cetane index and reduce toxic gas</li> </ul>	
cocaine-related alkaloid and a contaminant of street cocaine	emissions from diesel fuel.	
	15.N-buty(-aniline	
Ecgonine Methylester (EME)	<ul> <li>Type of chemical dye. Shows up as an amber color. Severely irritates</li> </ul>	
<ul> <li>Inactive metabolite of cocalne/crack</li> </ul>	skin and eyes.	
7. Cinnamoylcocaine	16. Methyl ecgonidine (MED)	
<ul> <li>Inactive metabolite of cocaine that becomes active when</li> </ul>	<ul> <li>Byproduct of when crack/cocaine is heated</li> </ul>	
smoked/heated(crack)	17. Benzoylecgonine (BZ)	
8. Xylazine	o Inactive metabolite of cocaine	
<ul> <li>Veterinary tranquilizer / CNS depressant not approved for human use.</li> </ul>	18.6-Monoacety(morphine (6-MAM)	
linked to chronic wounds, and lengthened/enhanced euphoric effects	<ul> <li>Heroin by product/metabolite, most often found in "Black Tar Heroin"</li> </ul>	
	19.Lidocaine	
when mixed with opioids.	20.N-pheny(propanamide	
9. Caffeine	<ul> <li>Degradation product of Fentanyt</li> </ul>	
<ul> <li>Standard stimulant but it is cut into drugs so that the opioid will</li> </ul>	21.P-fluorofentanyl	
vaporize at a lower temperature. This causes a faster rush when	<ul> <li>Also known as pFF (Para-fluorofentanyt)</li> </ul>	
smoked and the stimulant effect counterbalances the sedative effects.	<ul> <li>Fentanyl analog not intended for human use, illicit synthetic opioid</li> <li>22. Phenacetin</li> </ul>	
10.Tramadol	<ul> <li>Also used as a cutting agent. Used to be a popular painkiller but was</li> </ul>	
n Medical-grade opioid	removed from the market years ago as they found it to be carcinogenic.	

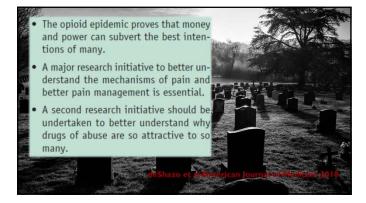
How to use a fe	ntanyl test strip	Interpreting the results
This is a fentanyl test strip	Whold the solid the test story and dip the other end in the water for about 10-15 seconds.	Pastine ted
Add a tiny amount of substance (about the size of a half grain of rice) to a half shot gloss of water (about 15nt).  Fro on setting-twell, cosains, MEMA or another intended, use a full shot gloss of seater (20n).  You can use a 20nt	4 Take the strip out of the water and lay it on a flat surface. Wat for about 60 seconds.	Personal live (document to the soulidate of the control of the control of the control of the control of the document of the control of the document, the tense to be soulidated to control of the document, the tense to be soulidated to control of the control of t
Mix the powder into the water used in it is completely disabled.  2 Mix the powder into the water used in it is completely disabled. If you are testing parameter gives a for powder came it from	5 Look at the othip under bright light. Even very light red lines count! ONE (1) red lines - FENTANYL PRESENT TWO (2) red lines - WID fundamy present Check the othip willfain 10 minutes of funding. Throw the titing wavey	Fembray bed ships only bed you if from the forestant is prosed to the sample to test. They do not fell you have much fembray in present.  A regulate test around do not current the endoughest to stack furnished bed with the endoughest of stack forestant the endoughest on tasks furnished bed with the endoughest of the forestant in the endoughest of the e

## What else can I do to lower my risk of overdose?

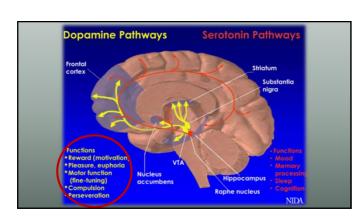
No drug is completely safe and there is always a risk of overdose. Try using the following tips:

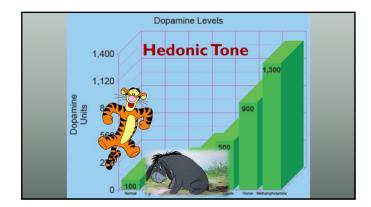
- Use drugs with other people, take turns, and avoid sharing needles and other devices.
- Go slow by taking small amounts and waiting in between use.
- Get naloxone and use it if there is an overdose. Naloxone can be obtained at your local pharmacy or can be obtained free-of-charge through the mail by visiting: naloxone.ohio.gov
- Contact 988: If you or someone you know is experiencing a non-life-threatening mental health or addiction-related crisis (thoughts of suicide, emotional distress, or substance use/addiction) call, chat, or text 988 for free, 24/7, confidential support.

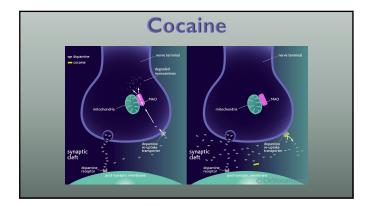
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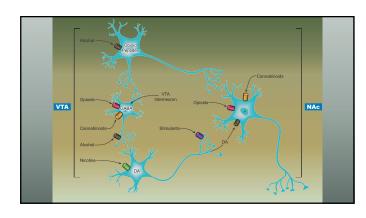


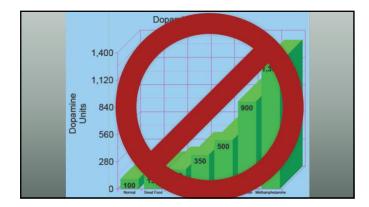


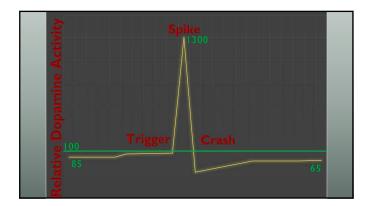




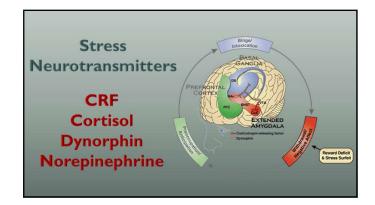














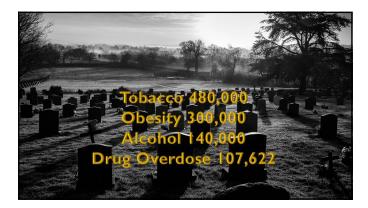




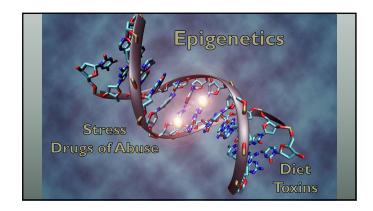


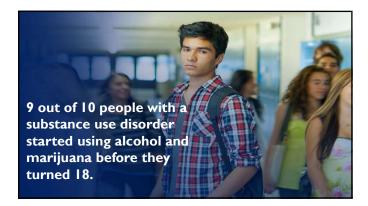


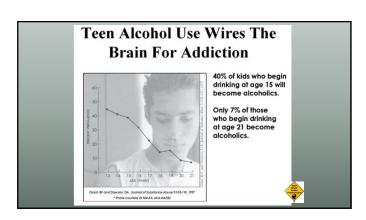










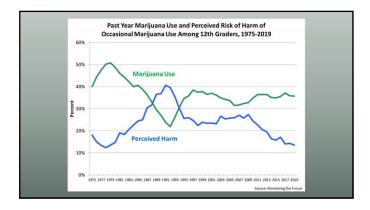


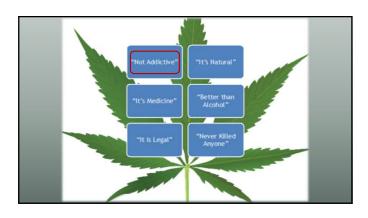


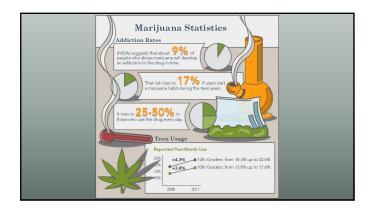


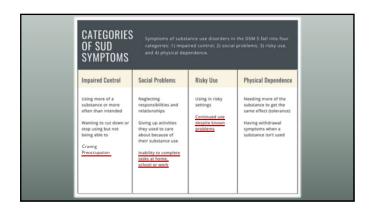


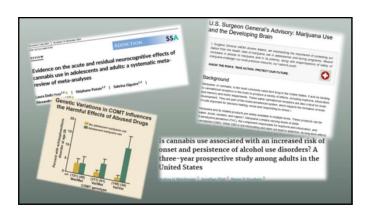




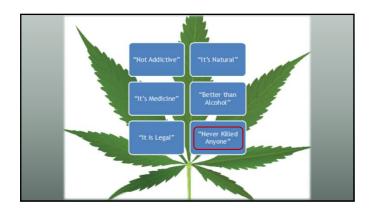


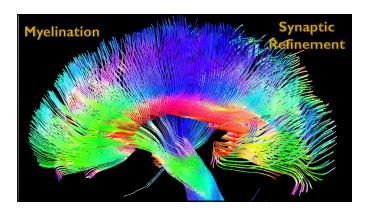


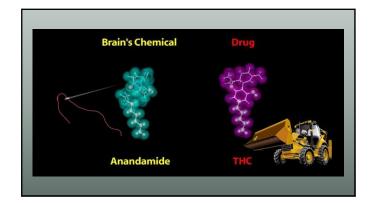




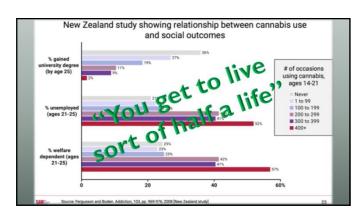


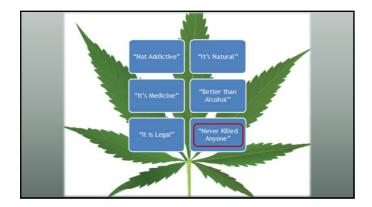








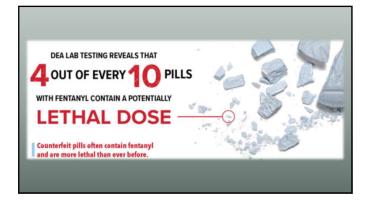




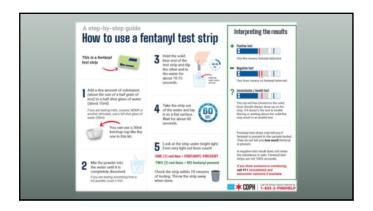


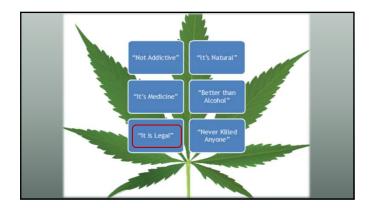




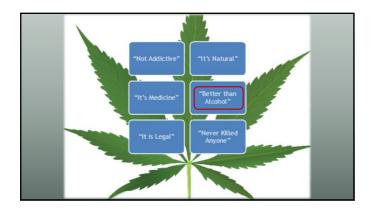


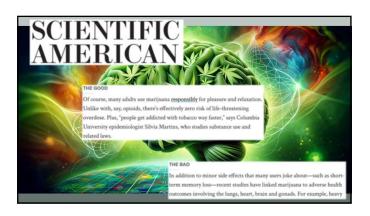


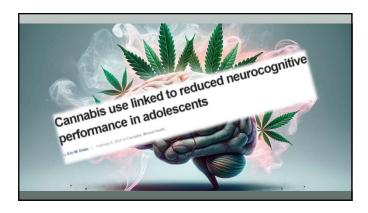


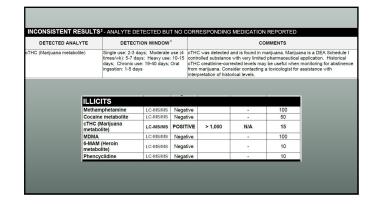


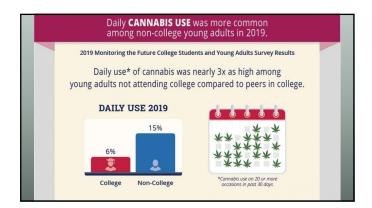


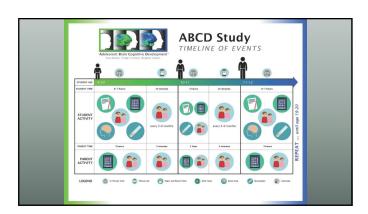


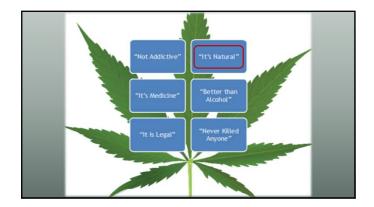


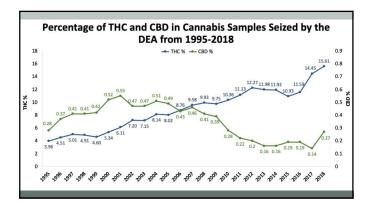




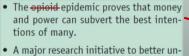








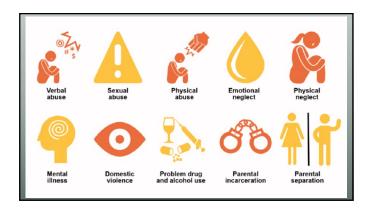




- A major research initiative to better understand the mechanisms of pain and better pain management is essential.
- A second research initiative should be undertaken to better understand why drugs of abuse are so attractive to so many.

Alcohol
Tobacco
Cannabis
Illicits
Gambling
Food
Sex
Pornography
Media
Shopping





Genetics Loads the Gun: Life Pulls the Trigger  Teen Brain Under Construction  Teen Brain Under Construction	
Genetics Early Use Trauma Shame	
Guilt says "I made a mistake". Shame says "I am a mistake".	
Shame is one of the root factors leading to addiction.	
As the cycle of addiction continues, it can of course deepen the sense of shame and self-loathing.	
Stigma is defined as a set of	
negative (and potentially unjustified)  beliefs that a person or group of	
people may have regarding a	
particular individual, circumstance or condition.	-

--People with substance use disorders may be perceived as making "poor choices" or having "weak morals."

--Internal shame combined with external stigma is a deadly combination. It may result in people not seeking or leaving treatment.

"They treated me like an addict."

Which by the way says a lot more about the person doing the judging than it says about the person being judged.

--MAT patients may be stigmatized
by the recovery community.
"You're not really sober."

--SUD or MAT patients may be stigmatized
by law enforcement or even other members
of the healthcare community.

--Societal stigma may lead to a
society being less likely to dedicate
resources to the treatment of
addiction.







