Addiction and HIV in 2019: What You Need to Know to Care for Your Patients

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Learning Objectives

After attending this presentation, learners will be able to:

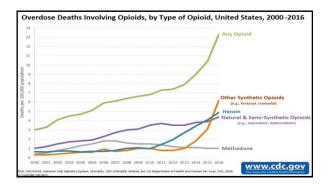
- Describe opioid use disorder
- Initiate treatment for opioid use disorders
- Describe the implications of opioid use disorders in people living with HIV infection
- Describe stimulant use disorders and treatments for these disorders

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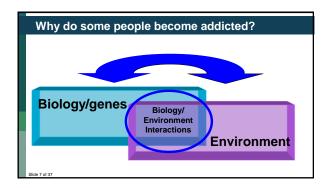
Question 1: According to CDC data, how many people died of opioid overdose in the United States in 2017?

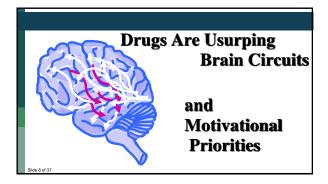
- 1. 5,000
- 2. 10,000
- 3. 20,000
- 4. 30,000
- 5. Over 40,000

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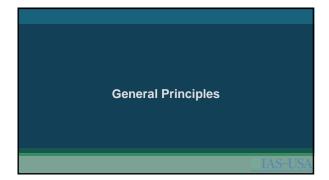








Consequences: Sex a	nd Drug	ıs - "Chemsex"
Chemsex drugs & HIV risk		/mensored/sound of thing thinks of 1880/1894 A
MACS Cohort(HIV Neg) Use of poppers, stimulants, and erectile dysfunction drugs increased risk for HIV sercoowension. AURAH study (HIV Neg) 1.1484.2.1.88 (234) reported Chemsex drugs—associated with greater risk behaviours. Methamphetamine may increase rectal mucosal inflammation (HIV pos & HIV Neg)		Personal control of co
trow D et al J Azapsi Immune Defic Syndt 2009;51:349-355 need et al recrustional Journal of Grup Policy 43 (2017) 33-43	(Neo minister resid	Courtesy Mark Pakianathan CROI



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General	Prin	CID	е

- Treat all patients with dignity and respect
- People who use drugs are people
- Malingering, manipulation, etc. are all survival mechanisms people who use drugs use for survival. Don't take it personally.

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Practical Initial Step: Screening

- 1. Screen patients for substance use disorders using standardized questions:
- How many times in the past year have you had 5 or more standard drinks in a day?
- How many times in the past year have you used an illegal drug or a prescription medication for nonmedical reasons?

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Practical Next Step: Think about systems

- Provision of low threshold, rapid access, appropriately dosed treatment (e.g., buprenorphine, methadone, or other treatments)
- Culturally appropriate counseling for addiction [can be simple (NA) to more complex (CBT)]

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P	ractical	Steps	: Treat	ever	vone
г	Tactical	Steps	s. IIEai	ever	VOLLE

Treatment of the medical issues associated with addiction (e.g., HIV, hepatitis B/C, and Tuberculosis)

- There is NO data to support denying or waiting to start patients on ART or any other treatment.
- Prescribe naloxone and consider becoming a buprenorphine provider
- Review guidelines on the treatment of chronic pain and re-evaluate how you prescribe opioids

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Case 1

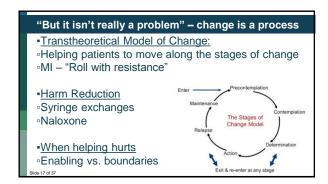
You inherit a new patient: A 45 year old male comes in for his refill of oxycodone of 30 mg tablets, two tablets every 6 hours for a total of 240 tablets for the month. You notice there hasn't been a urine toxicology in 5 years, but notice that there have been a few recent Emergency Department visits for methamphetamine intoxication. The patient today is agitated, struggling to sit still, and wondering why the refill is taking so long....

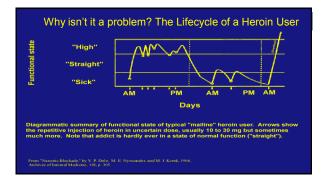
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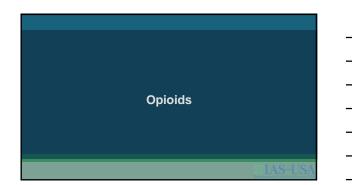
Your next steps:

- 1. Curse the prior provider who left you a mess
- 2. Give the refill and find a way never to see the patient again
- 3. Call social work (or anyone) to try and diffuse the situation and get the patient into treatment
- 4. Talk with the patient about the ED visits and methamphetamine use to gauge interest in treatment, and refill the medication
- 5. #4 but do not refill the medication

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It's Friday	at 4PM	

 30 year old comes into clinic and, through much creative and interesting conversations, you conclude that the oxycodone you were giving for back pain is not in the urine toxicology, but morphine is.....

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Your next step:

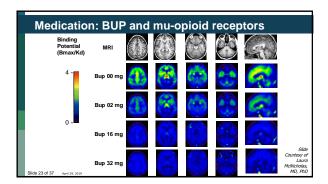
- Refuse to refill the medication and call someone else to deal with the upset patient
- 2. Agree with the patient that it was a one time thing and give all or some of the oxycodone
- 3. Discuss treatment for opioids and start buprenorphine
- 4. Discuss treatment for opioids and refer to methadone
- 5. Discuss treatment for opioids and start naltrexone

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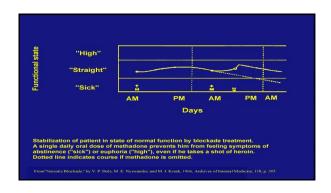
Treatment

- Pharmacological Treatment
- Buprenorphine, Methadone, Naltrexone
- Behavioral Treatment (Therapy)
- Motivation Interviewing getting you motivated to do treatment
- Cognitive Behavioral Therapy getting you to think differently about drug use

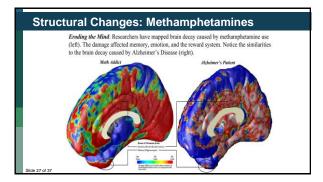
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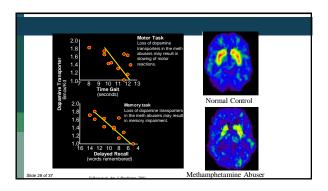


Medications to treat opioid use disorder •Methadone Only in OTP Efficacious, best retention •Buprenorphine Office based Efficacious, retention less than methadone •Naltrexone Office based Efficacious Retention less than methadone & buprenorphine









HIV Specific Metham	phetamines Effects
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- Neurocognitive effects and HIV may result in permanent neurobiological changes.
- Methamphetamine increases HIV replication and expression of CCR5 on macrophages and these events may contribute to the immunopathogenesis of HIV-infected methamphetamine users.
- Reduced neurocognitive performance can severely compromise HIV clinical care and is associated with HIV nonadherence and the development of HIV resistance.

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Treatment

- Pharmacological Treatment
- No pharmacological agents have demonstrated efficacy through Phase 2 trials. Morley, K. C., et al. (2017).
 "Pharmacotherapeutic agents in the treatment of methamphetamine dependence." Expert Opin Investig Drugs 26(5): 563-578.
- Behavioral Treatment (Therapy)
- Motivation Interviewing –motivated to do treatment
- Cognitive Behavioral Therapy getting you to think differently about drug use

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Medications that do not work

Aripiprazole Mirtazapine
Baclofen Modafinil
Buproprion Ondansetron
Dextroamphetamine Gabapentin Sertraline

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- Riluzole is a glutamate regulator and effective in treatment of neuropsychiatric conditions.
- Double blind placebo controlled trial in men 18 to 65 to 50 mg riluzole (n=34) or placebo (n=54) twice daily for 12 weeks.
- Patients were excluded for serious medical conditions or neurologic disorders, comorbid psychiatric disorders other than methamphetamine dependence including other drugs of abuse

Riluzole cont'd

- RESULTS: Visit attendance went up and the number of positive methamphetamine urine test results was significantly lower in the riluzole arm.
- Patients in the riluzole arm experienced significantly greater improvement on all the craving, withdrawal, and depression measures regarding mean score changes from baseline to endpoint
- ISSUE: Small study, only men, needs larger study to validate.

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Lisdexamfetamine forthcoming trial

- Agonist therapy has been tried with mixed results in the past.
- LDX used for ADHD and binge eating has potential as an agonist therapy for methamphetamine dependence, and possible benefits of reduced risk of aberrant use due to its novel formulation.
- RCT ongoing. TRIAL REGISTRATION NUMBER: ACTRN12617000657325

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HIV, Pain and Addiction	
Clinical Infectious Diseases IDSA GUIDELINE	hıvma
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2017 HIVMA of IDSA Clinical Practice Guid Management of Chronic Pain in Patients Livi	
R. Douglas Bruce, "Jessica Merlin," Pauls J., Lum," Ettesam Ahmed," Corla Alexander," Amanda H. Corbent, "Kathleen i Glenn Jerdan Treisman," and Peter Selveya" "Department of Medicine, Cornel Scorel Health Cette and Yele University, New Heven, Connecticut, "Divisions of Infectious Diseases and Geroon	untrient Geriatries and Palliative Care University
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Center, Albert Einstein College of Medicine, Brans, New York • https://academic.oup.com/cid/article/65/10/e1/4157299	99
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Useful websites: • American Pain Society has resources availa	able online:
http://www.americanpainsociety.org/resource	
mary-care-practitioner.html • American Academy of Pain Medicine resour	ireos:
http://www.painmed.org/library/main.aspx	
 Providers Clinical Support System (PCSS) f https://pcssnow.org/resources/clinical-tools/ 	
Buprenorphine training: https://www.samhsa.gov/medication-assiste	-
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Questions?	
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Question-and-Answer	
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