

Pain and Addiction: Trends and Treatments

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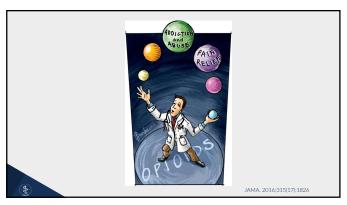




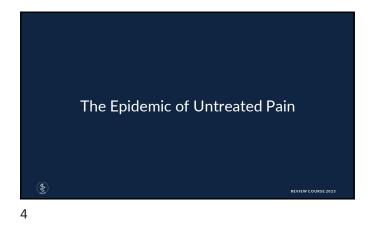
### **Financial Disclosure**

Edwin A. Salsitz, MD, DFASAM

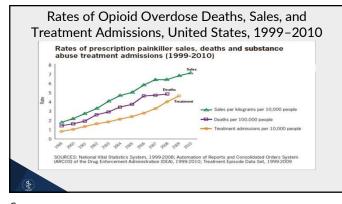
No relevant disclosures

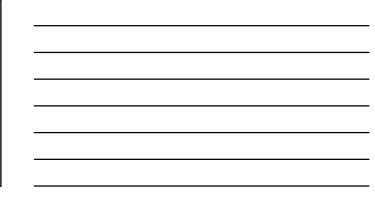


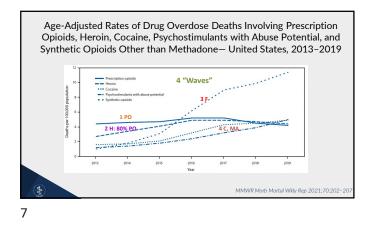


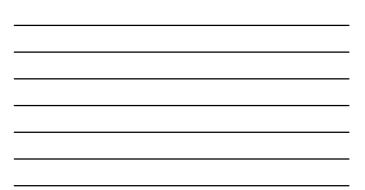


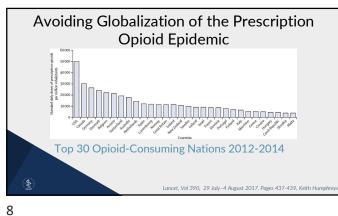
















ASAM Virtual Review Course



### "Perfect Storm"

- 1995: Introduction of Oxycontin
- 1995: Pain is Fifth Vital Sign
- Publications indicating low risk of addiction
- Thought Leaders with Financial/Pharma Conflicts
- Patient Satisfaction Surveys: "...staff did everything they could to help you with your pain"
- Physicians successfully sued for not treating pain
- No Evidence for long term Effectiveness COT ightarrow CNCP
- Physical Dependence vs Addiction

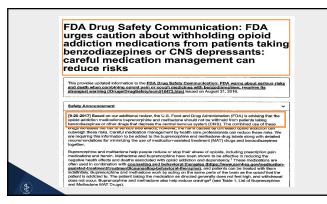
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|   | Safety Measures Announced for (   | •  |   |
|---|---|----|---|
|   | cs, Prescription Opioid Cough Pro   |    | d |
| В | enzodiazepines FDA: August 20   | 16 |   |
|   | Table 1. The Danger of Combining Opioids<br>And Benzodiazepines   |    |   |
|   | FDA Warning: Risks From Concomitant Use<br>With Benzodiazepines or Other CNS Depressants  |    |   |
|   | Concomitant use of opioids with benzodiazepines or other central<br>nervous system (CNS) depressants, including alcohol, may result in<br>profound sedation, respiratory depression, coma, and death. |    |   |
|   | <ul> <li>Reserve concomitant prescribing of (opioid) and<br/>benzodiazepines or other CNS depressants for use in patients<br/>for whom alternative treatment options are inadequate</li> </ul>        |    |   |
|   | <ul> <li>Limit dosages and durations to the minimum required</li> <li>Follow patients for signs and symptoms of respiratory</li> </ul>  |    |   |
|   | depression and sedation   |    |   |



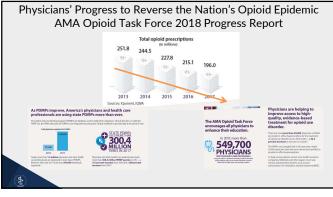


### Intended/Unintended Consequences in Reaction to the Prescription Opioid Epidemic

- Prescription Drug Monitoring Programs: PDMP
- Limits on the quantity and dosage prescribed
- UDTs become standard of care
- Education of prescribers: FDA REMS course on Safe and Effective Opioid Mgt.
- CDC Guidelines
- Tamper Resistant/Abuse Deterrent Formulations
- Patients Physically Dependent on Opioids Left in the Lurch
- HEROIN: Cheaper, Readily Accessible
- FENTANYL/Fentanyl Analogues

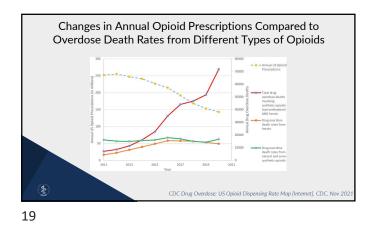
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### CDC Guidelines: 2016 vs 2022

- Similar Recommendations on Opioids as the last option for chronic pain and in many cases of acute pain. Always start with IR opioids for the shortest duration and lowest effective dose.
- Change in Tone: These are guidelines. Use Clinical Individualized Patient-Centered Judgments as to duration, dose, risk/benefit of COT, and need for tapering
- These Guidelines are not to used by health systems, pharmacies, insurance companies, medical boards, or povernments to determine standard of care

CDC Guidelines at a Glan



### Start With Non-Pharmacologic Therapy

- Physical Therapy, Exercise
- Cold, Heat
- CBT, MI
- Meditation, Mindfulness
- Acupuncture
- Biofeedback
- Massage
- Aquatic Therapy
- Spinal Cord Stimulation (SCS)

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### Next Option: Non-Opioid Pharmacotherapy

- Acetaminophen (Efficacy), NSAIDS (Adverse Effects, Cardiac, Elderly)
- Anti-Depressants: TCAs, SSRIs, SNRIs
  - Neuropathic Pain, Nociplastic Pain (e.g., Fibromyalgia), Pain + Depression
- Anti-Convulsants: Gabapentanoids, Topiramate, Carbamazepine • Neuropathic Pain, Nociplastic Pain, Migraine Prophylaxis
- Topicals: Lidocaine Patch, NSAIDS, Capsaicin
- "Muscle Relaxants:" Baclofen, Cyclobenzadrine, Methocarbamol, Tizanidine
- · Avoid Benzodiazepines, Carisoprodol (Schedule IV)
- Ketamine: Acute Pain ( e.g., ED)
- Interventional Procedures: Epidurals, Nerve Blocks, Neurodulation \$

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#### Gabapentanoids: Conclusions

- Significant Misuse Among Patients with SUDs, Primarily OUD Receiving Methadone or Buprenorphine Maintenance.
- Significant Adverse Effects With Therapeutic Doses, and Increased Adverse Effects .
- With Supra-Therapeutic Doses Must Adjust for Renal Function
- Full Recovery From Adverse Effects Is The Rule
- · Death Is Uncommon, But Increased In Combination With Opioids
- Gabapentin Bioavailability  $oldsymbol{\psi}$  With Increasing Dose
- · Weak Evidence For Off Label Pain Treatment
- Should Gabapentin Be Listed On PDMPs (e.g., Ohio, NJ)
- Pregabalin Schedule 5 listed
- Add Gabapentanoids To UDT Screens

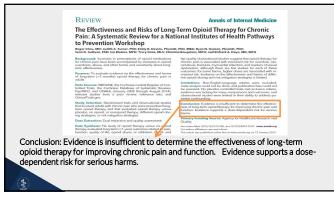
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### **Opioid Pharmacotherapy**

- Acute Pain: e.g., Post-Operative, Burn, Severe Trauma
- Limit Duration: NYS-7days
- Sickle Cell Disease 2022 Guidelines
- Cancer Pain
- Palliative Care, Hospice
- End of Life Care
- Chronic Opioid Therapy (COT) for
- Chronic Non-Cancer Pain (CNCP)
   Effectiveness, Safety, Adverse Effects,
  - IR vs. ER





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Chou R, et al. J Pain. 2009;10:113-30.

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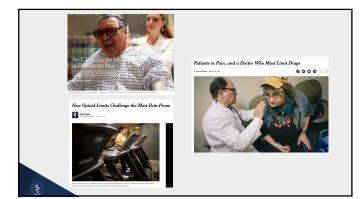


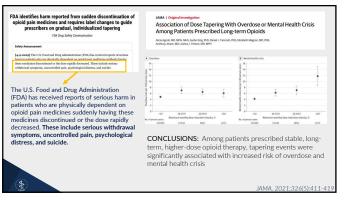
#### **Opioid Tapering/Deprescribing Strategies**

- Patient Requests/Agrees vs Patient Resists
- Alternative Treatment if Pain Still Present
- Clonidine/Lofexidine Tablets and Patches
- alpha 2 centrally acting adrenergic agonists  $\rightarrow$   $\psi$ LC  $\rightarrow$   $\psi$ NE
- Switch to Methadone
- Switch to Buprenorphine
- Symptomatic Meds: NSAIDS, Loperamide, Benzos(short course), non-benzo sleep meds
- Patients report favorable outcomes after tapering
  - Opioid Induced Hyperalgesia

JAMA Internal Medicine May 2018 Volume 178, Number The Journal of Pain, Vol 18, No 11 (November), 201

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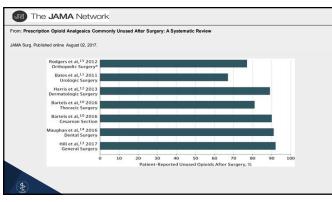






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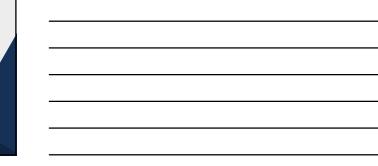


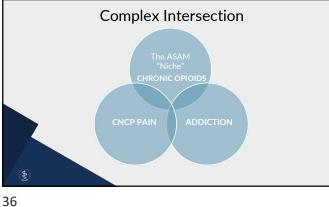
### **Opioid Rx Disposal**

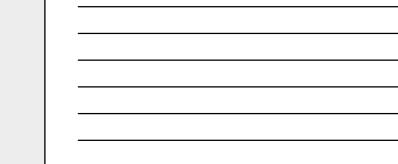
- DEA Take Back Programs
- Some Pharmacies, Some Police Stations
- Mix with cat litter/coffee grounds, then seal in plastic bag and throw out in trash
- Flush down toilet: environmental issues • Fentanyl Patch: Flush only

• DO NOT throw out in trash in Rx bottle









#### Pain and Addiction: Definitions

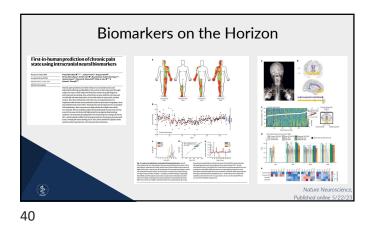
 "Pain is viewed as a biopsychosocial phenomenon that includes sensory, emotional, cognitive, developmental, behavioral, spiritual and cultural components." (IASP website) • Addiction is a treatable, chronic medical disease involving **complex interactions among brain circuits, genetics, the environment, and an individual's life experiences.** People with addiction use substances or engage in behaviors that become compulsive and often continue despite harmful consequences.

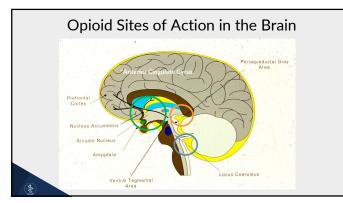
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### "Exaggerated Response" What Did It Feel Like The First Few Times?

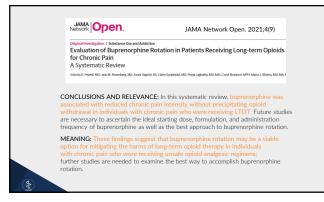
- "All my problems disappeared."
- "Felt like I was under a warm blanket."
- "Thought this is how normal people feel."
- "Forgot about all the abuse."
- "Felt like the world was at peace."
- "Totally relaxed." "Not shy."
- "Looking at a beautiful sunset."
- "I was energized!"
- Liking opioids: this is a vulnerability.



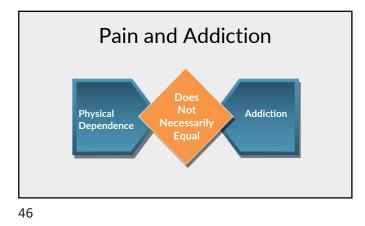




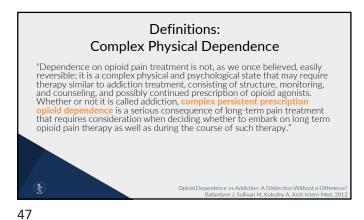


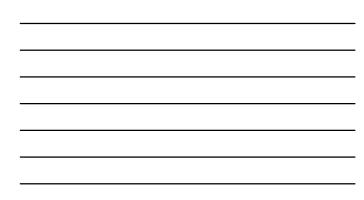


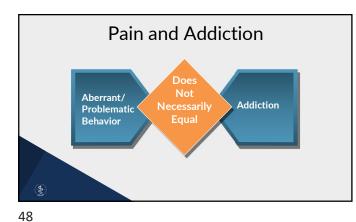




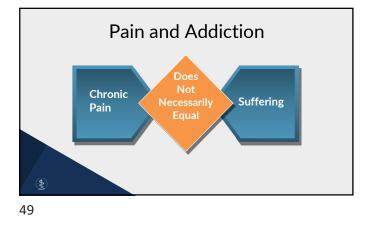


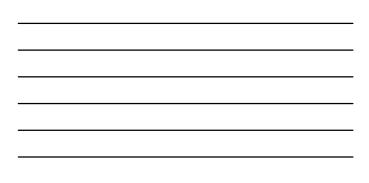


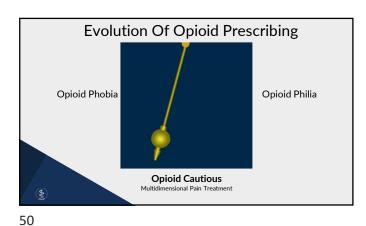




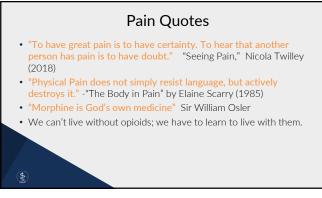




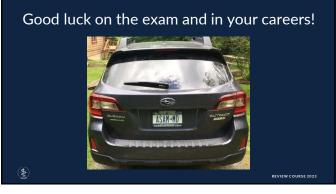












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