2022 SOAR Medications for Opioid Use Disorder (MOUD) Treatment Boot Camp

How To Get Started and Safely Manage Patients

History of the Opioid Epidemic | Brain & Addiction - Basic Neurobiology | Chronic Pain & Opioid Use Disorder (OUD)

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History of the Opioid Epidemic Brain & Addiction – Basic Neurobiology Chronic Pain & Opioid Use Disorder (OUD)

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Objectives

- Discuss the history of the opioid epidemic.
- Understand the basic neurobiology of addiction and what makes it a chronic health condition.
- Describe the intersection of chronic pain and opioid use disorder.
 - Illustrate different approaches to tapering chronic opioids analgesic therapy (COAT)
 - Identify alternative treatment options for chronic pain management.



Roadmap to Disaster



Dr. Portenoy co-wrote a seminal "paragraph" arguing opioids could be used in people without cancer.

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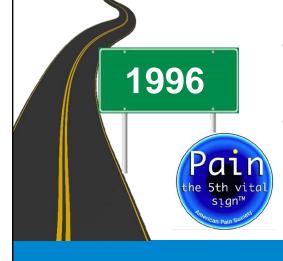
"We conclude that opioid maintenance therapy can be safe, salutary, and more humane alternative to the options of surgery or no treatment in those patients with intractable non-malignant pain and no history of drug abuse."

Pain, 1986 May 25 (2) 171-86

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Roadmap to Disaster cont.



The American Pain Society trademarked the slogan, "Pain: The Fifth Vital Sign."

"If pain were assessed with the same zeal as other vital signs, it would have a much better chance of being treated properly."

- Dr. James Campbell, MD, President of the American Pain Society

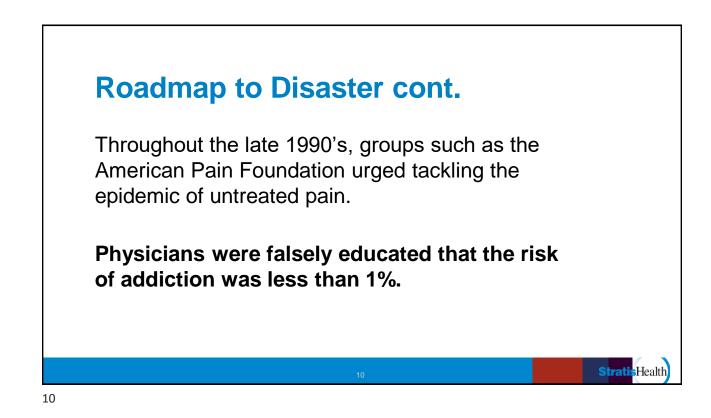
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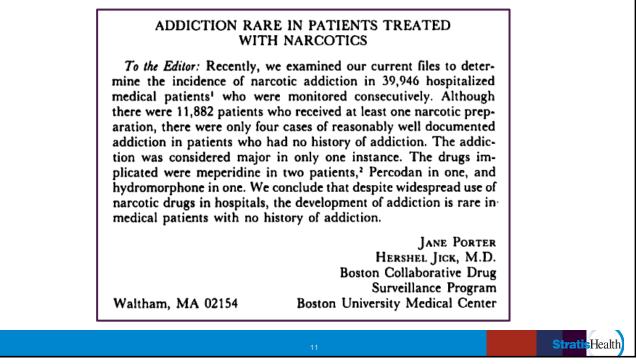
Essential body functions – pulse, body temperature, and respiration – are used as a measure of health or physical condition.

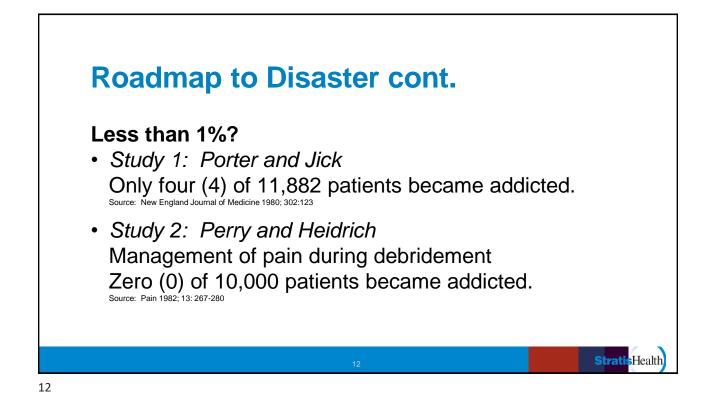
Roadmap to Disaster cont.

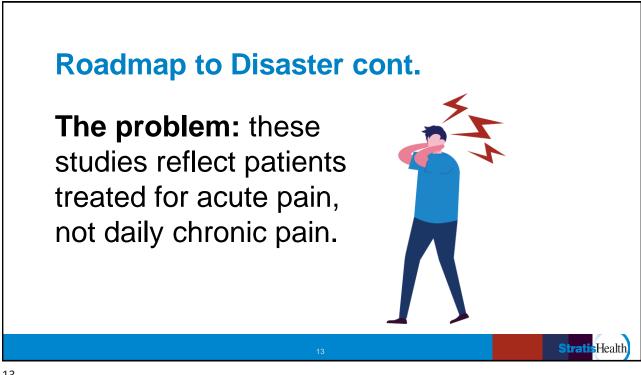
That same year (1996), Purdue Pharma released OxyContin, the most widely used narcotic pain killer today.





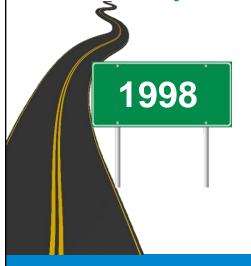






Multiple studies from 1991 to 1997 showed addiction rates from 3-43% in patients on chronic daily narcotics, research Purdue Pharma chose to ignore.

Roadmap to Disaster cont.



The Veterans Health Administration made pain a "fifth vital sign." The Joint Commission for Accreditation of Healthcare Organizations (JCAHO) did the same.

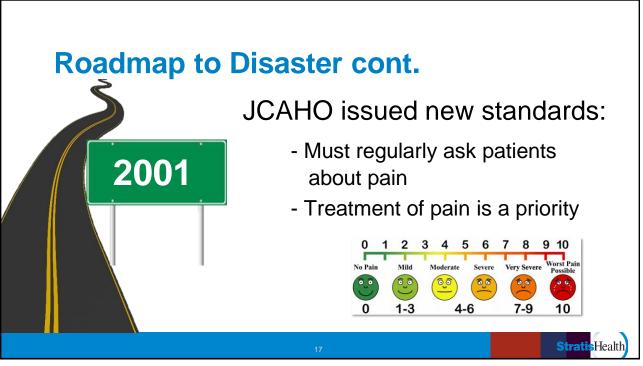
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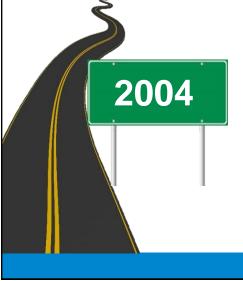
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The Federation of State Medical Boards released a recommended policy reassuring doctors they would not face regulatory action for prescribing even large amounts of narcotics.

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The Federation of Medical Boards called on state medical boards to make under-treatment of pain punishable.

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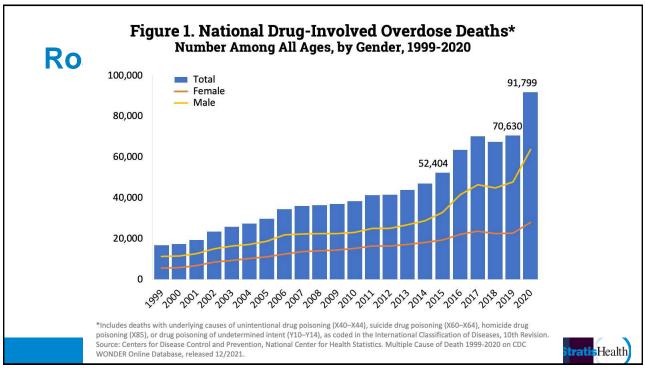
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Roadmap to Disaster cont.

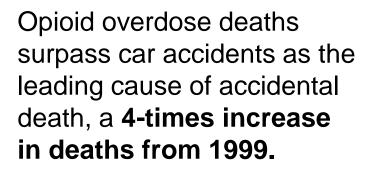
"Untreated pain or undertreated pain is as serious a departure from the standard of care, and as serious a violation of the Minnesota Medical Practice Act as is excessive prescribing of controlled substances or prescribing of controlled substance for non-therapeutic purposes."

- Minnesota Board of Medical Practice controlled substance work group, November 10, 2007

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What we knew prior to the [2016] CDC guidelines:

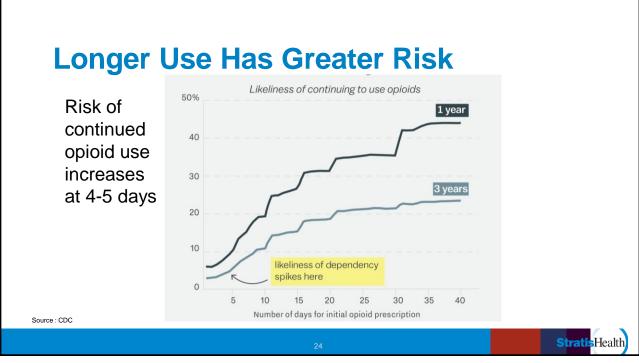
- Opioids are useful for up to 8 weeks for acute pain.
- Pain relief is modest.
- No evidence to suggest it is effective beyond 2 months.
- Dose escalation to maintain analgesia occurs.



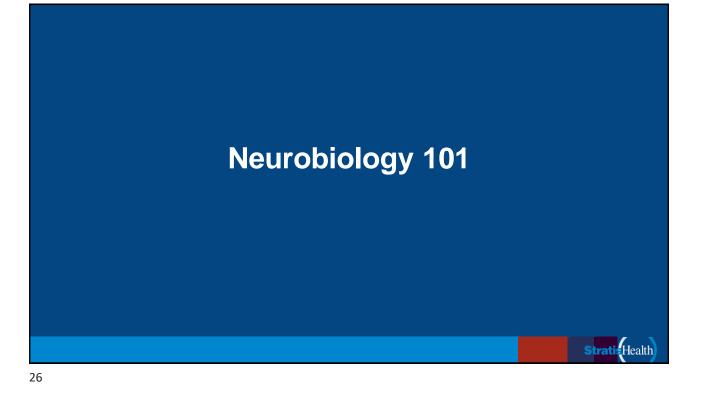
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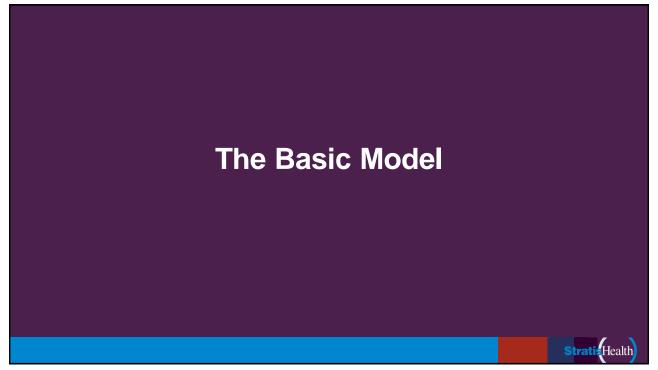
But Can We Predict Addiction?

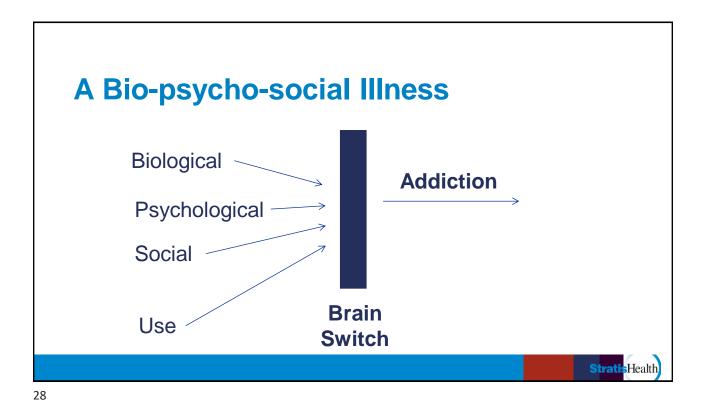


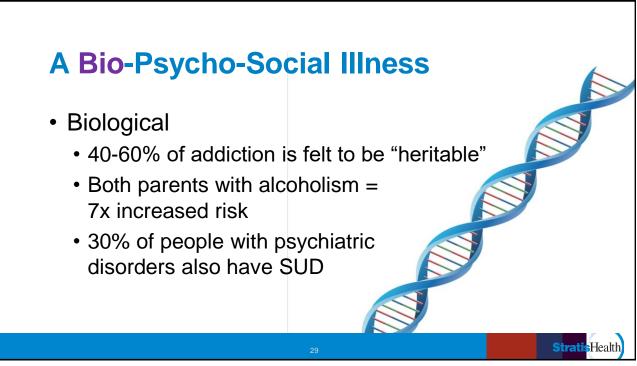












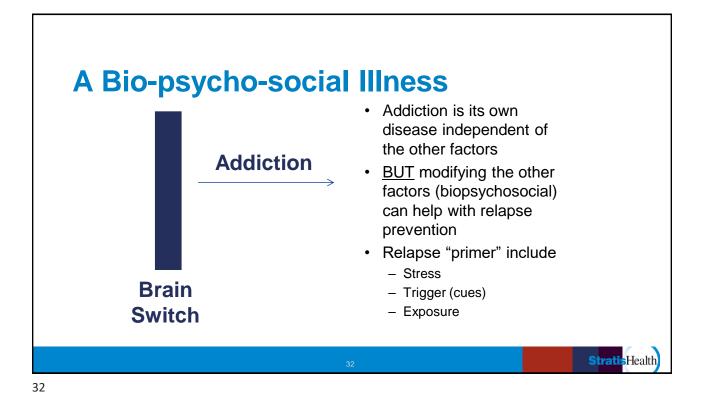


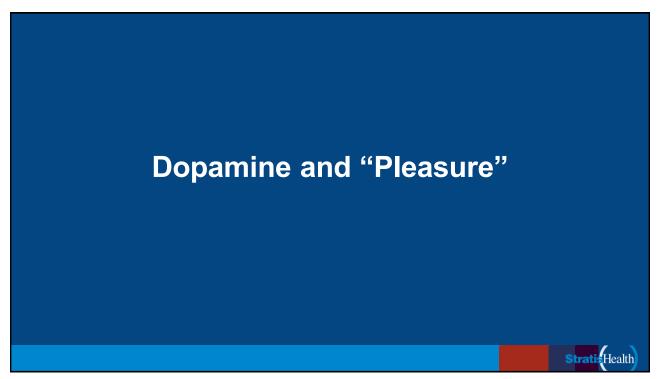
A Bio-Psycho-Social Illness cont.

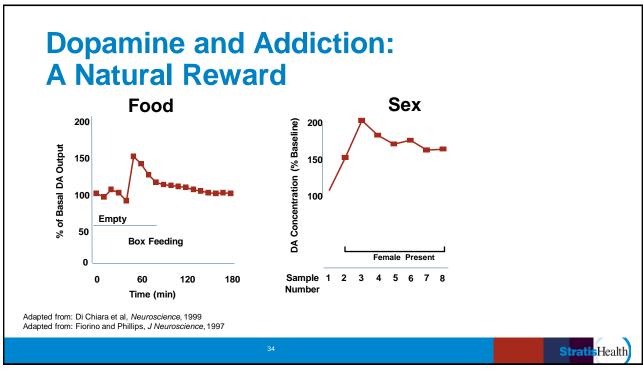
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- Social / Environmental risk factors:
 - Low socioeconomic status
 - Poor parental support

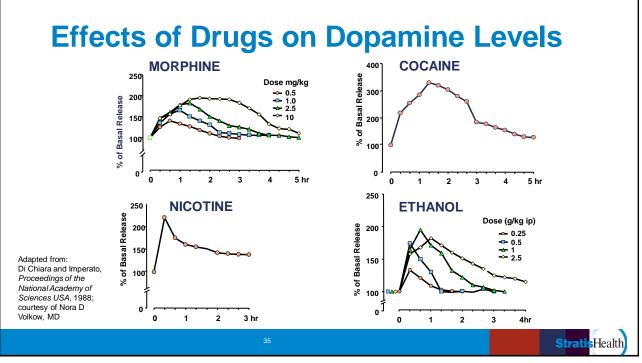
- Physical and psychological abuse
- Drug availability (access)

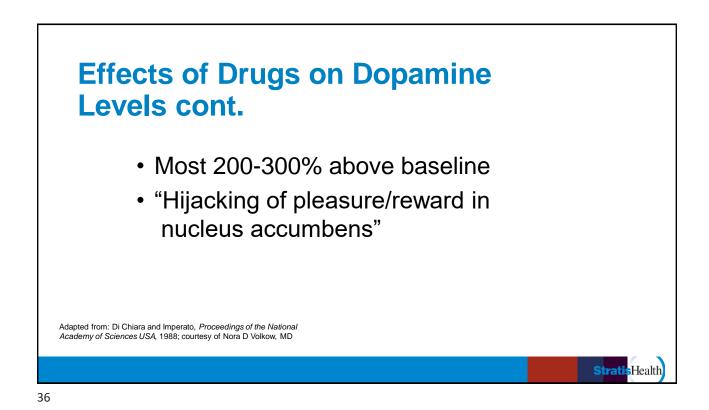


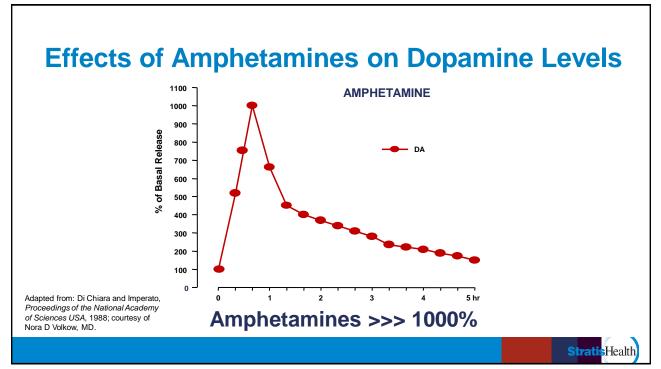


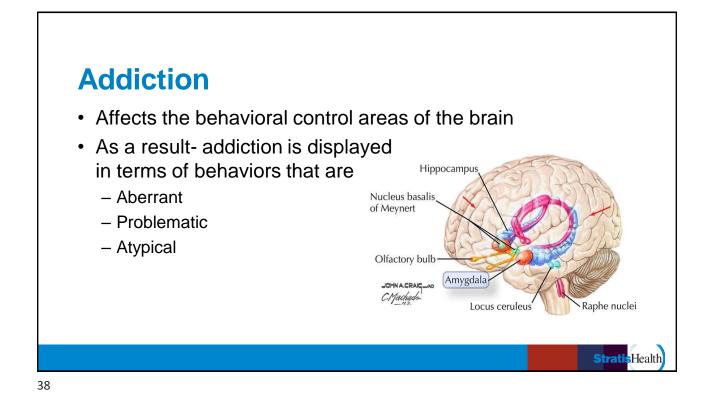






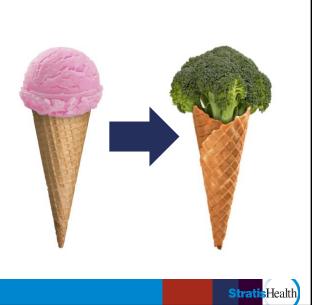


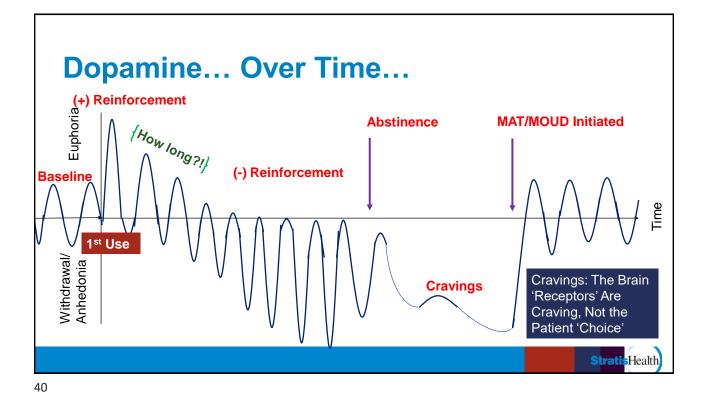






- Emotion over logic
- Over time = less dopamine "surge" = the "reward" is less "rewarding"





Use as a "Reward" cont.

- Poor inhibitory control and poor executive functioning mediated by prefrontal cortex (PFC)
 - Cannot "adult"
- Actions become stereotyped: drug seeking and drug taking become repetitive and ritualistic... not rewarding

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Anti-Reward

- Activated when expected results do not materialize
- Activity increased with repetitive drug exposure causing negative mood with drug withdrawal
- Using to not get sick rather than using to get high



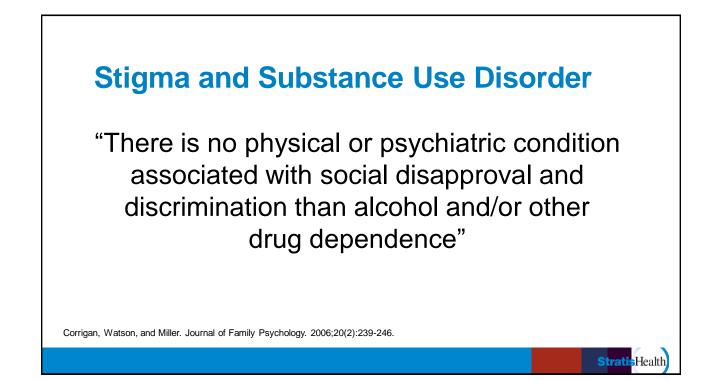
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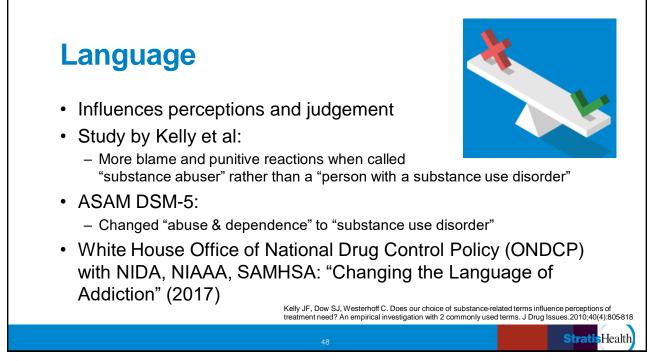




Stigma and Language







Changing the Language of Addiction

Instead of	Say
Drug abuser	Person with SUD (substance use disorder)
Clean	In recovery
Addiction	SUD
Addict	Person with SUD
Dirty urine	Person currently using substances
Clean urine	Person not currently using substances
Medication "replacement" or "substitute"	Medications for Opioid Use Disorder (MOUD) treatment
Junkie	Person with OUD (opioid use disorder)
La La Land	Intoxicated
Kicking	Withdrawal syndrome
Strung out	Intoxicated
Cop/fix	Obtain/purchase
·	

Addiction/Chronic Pain

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Overlap of Chronic Pain & OUD Study in Journal of Substance Abuse Treatment 2017: - Majority of patients diagnosed with OUD also had a diagnosis of chronic pain in a review of EMR (electronic medical record) data: • 5307 patients • 64.4% **Stratis**Health 51

Overlap of Chronic Pain & OUD cont.

- Study from 2019:
 - 10.3 million hospital admissions with a history of chronic pain
 - -680,631 had diagnosis of OUD (6.6%)

-Female patients: ~54.5%

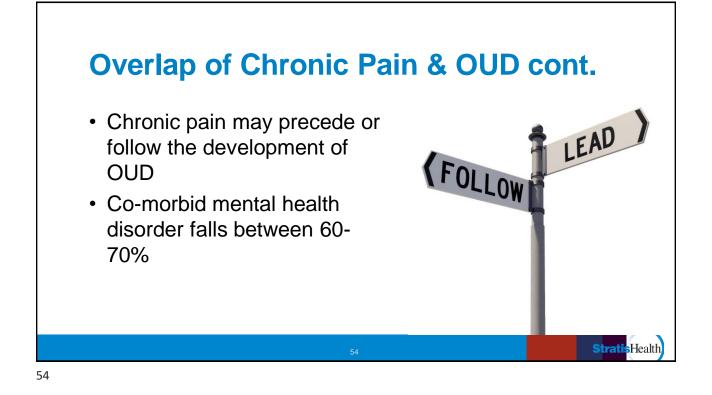


Overlap of Chronic Pain & OUD cont.

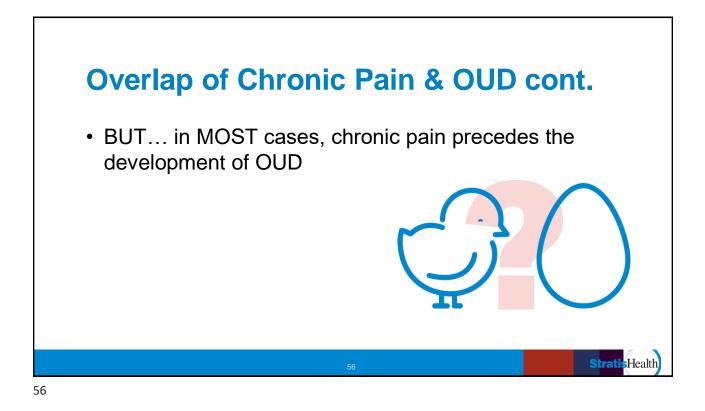
- Older adults group:
 - Largest jump from 2011-2015
 - -11.8% to 17%
 - Dual diagnosis of chronic pain and OUD

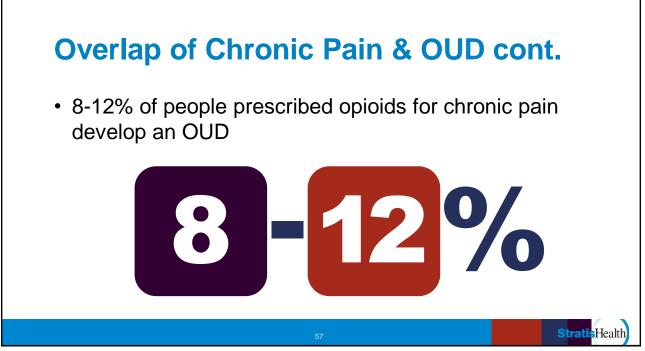


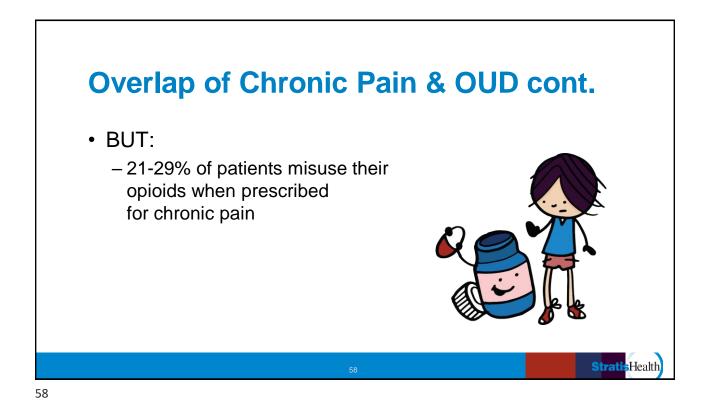
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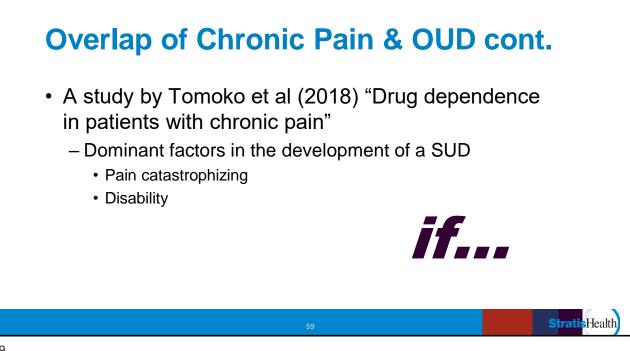


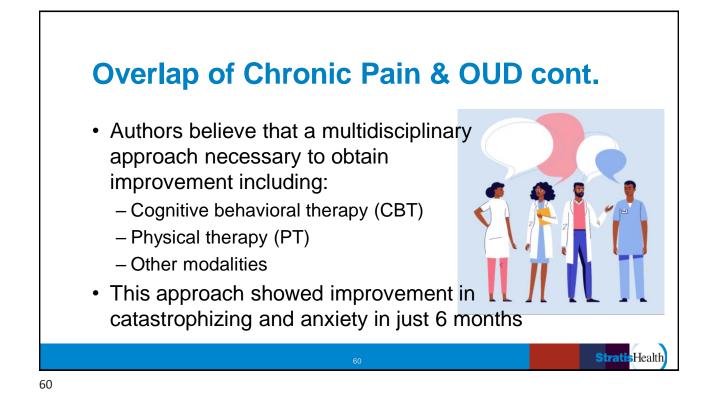
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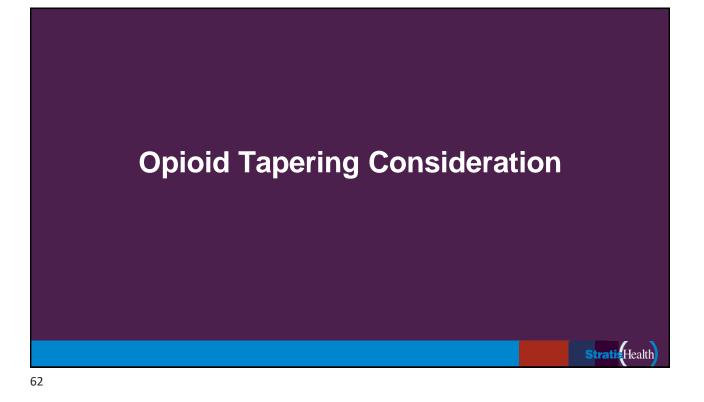


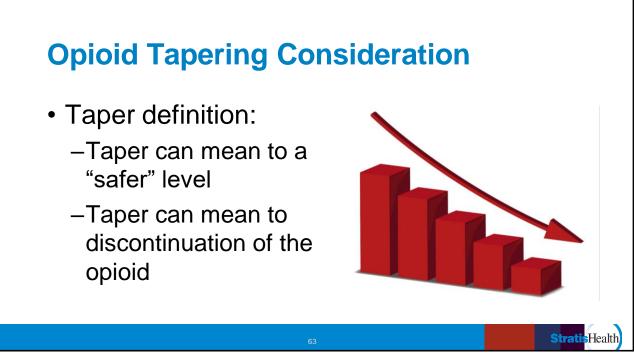


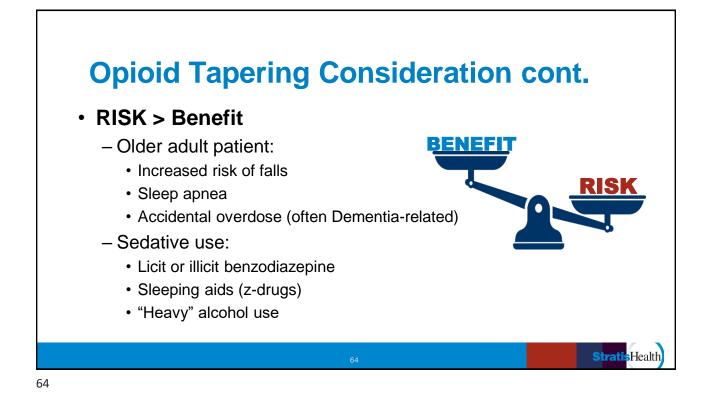
- Tomoko et al had a patient in the study with:
 - Chronic low back pain
 - Hip pain
 - Knee pain
 - Shoulder pain
- Chronic LBP and hip pain more likely to develop SUD-related to their treatment than other chronic joint complaints

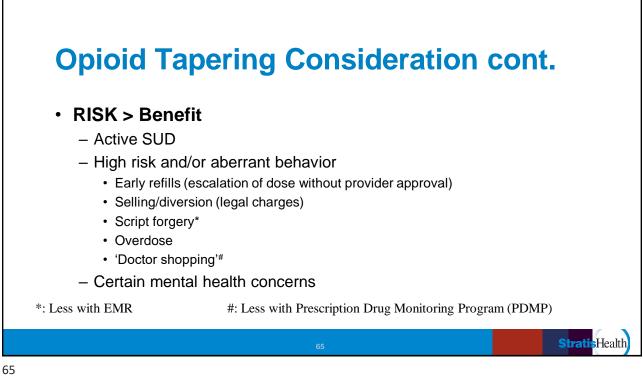


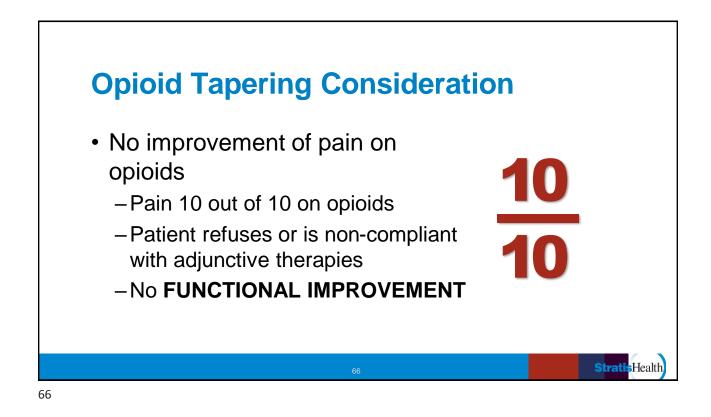
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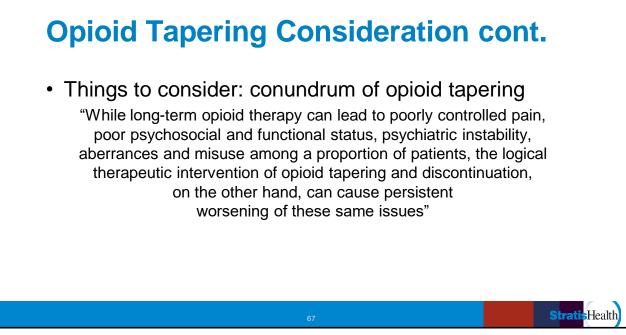




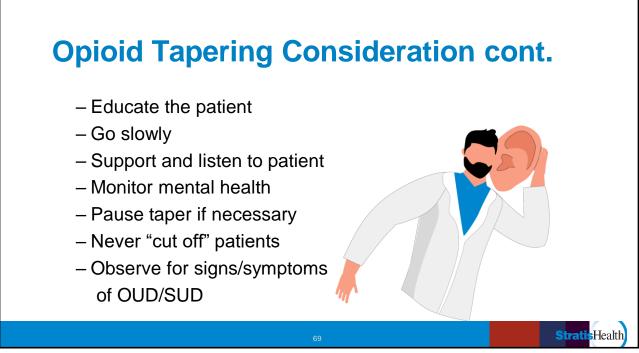


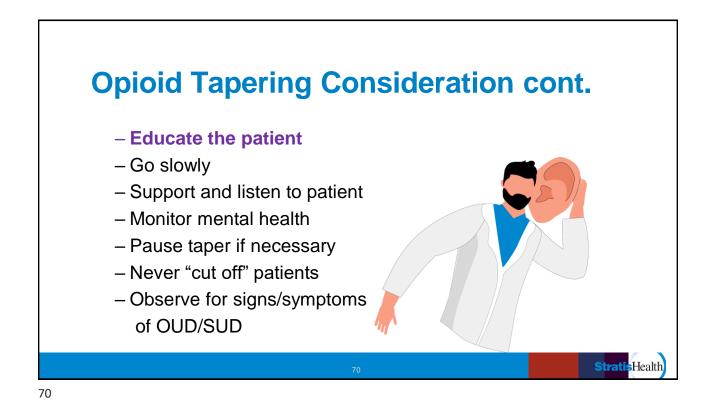


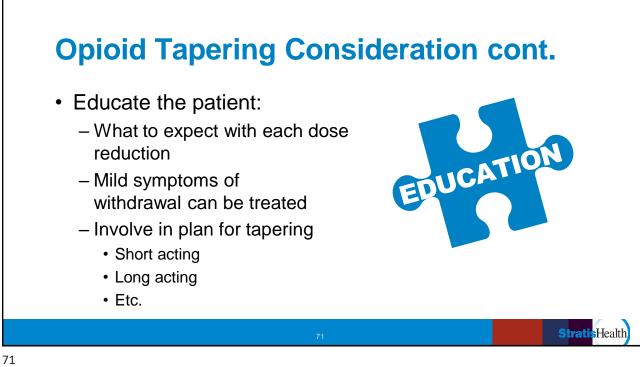


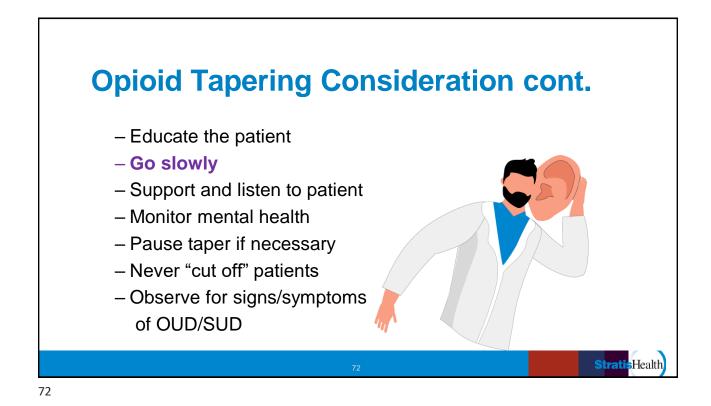


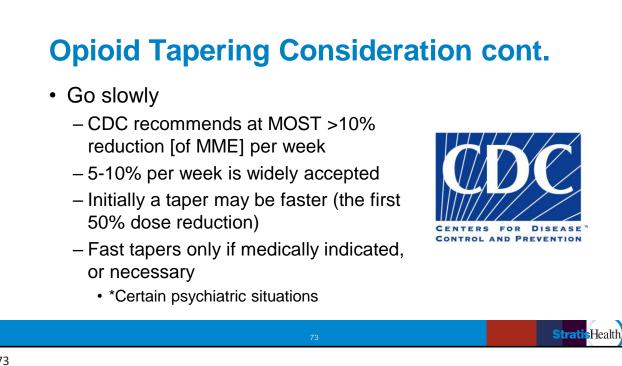


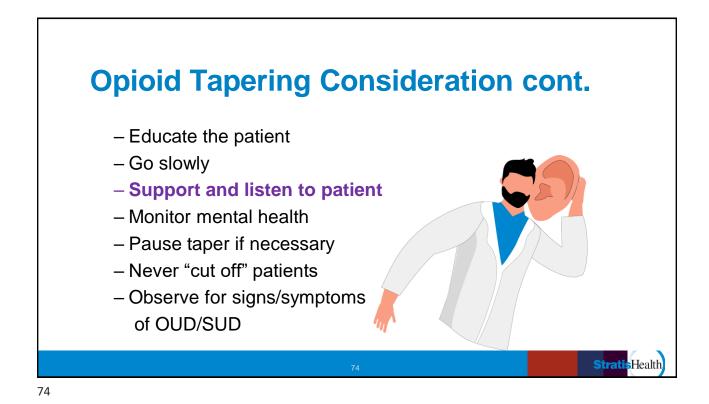


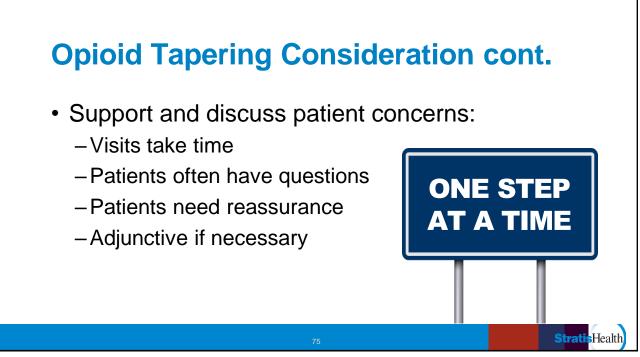


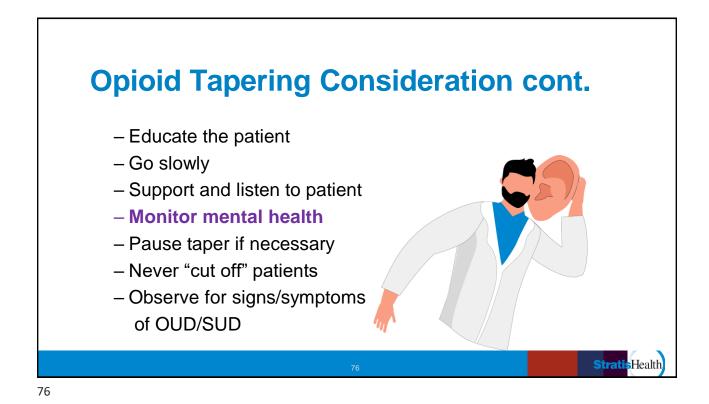


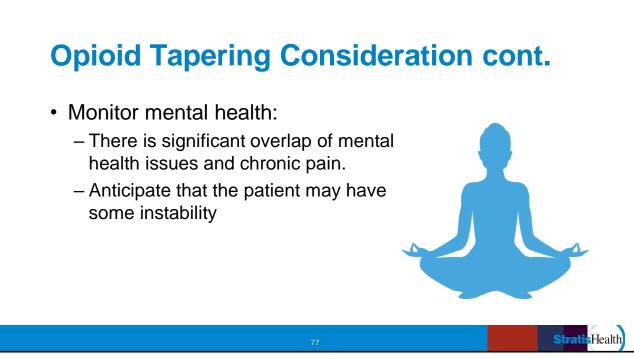


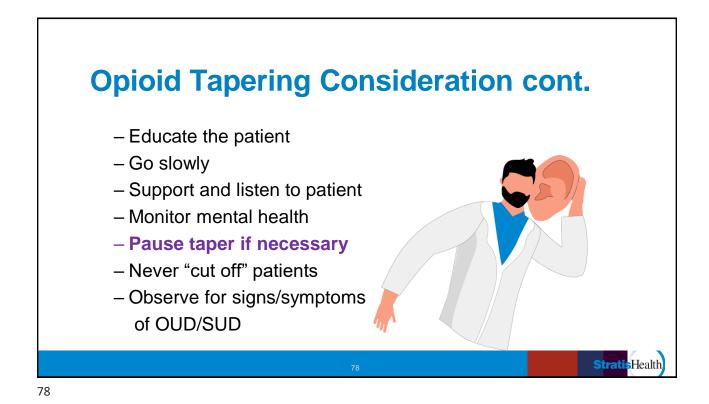


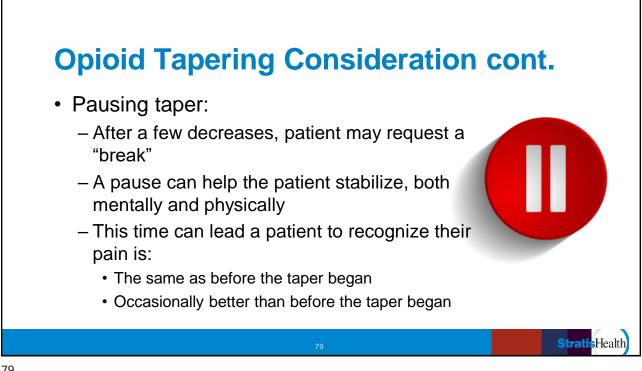


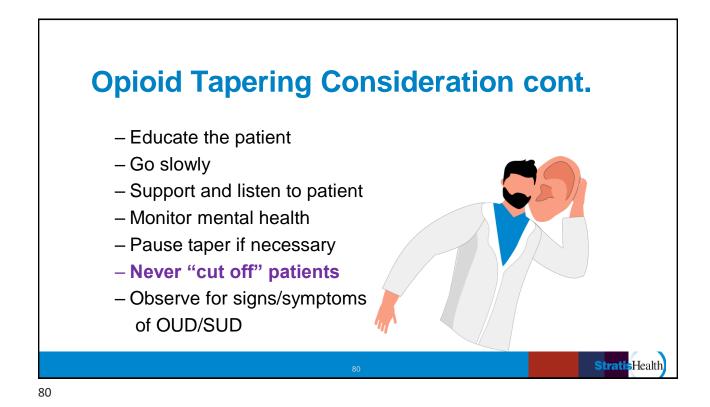










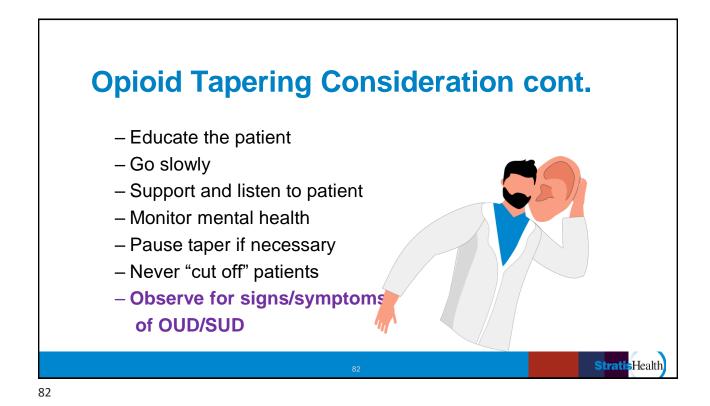


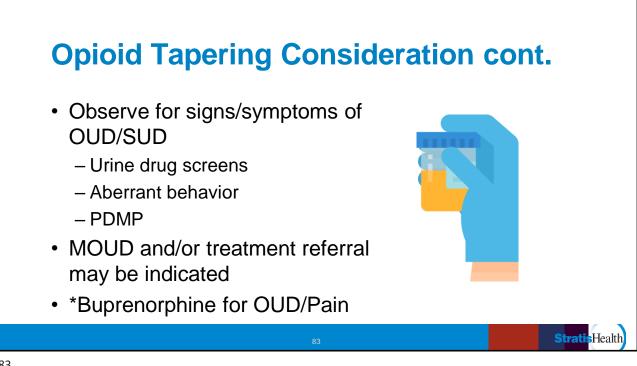
Opioid Tapering Consideration cont.

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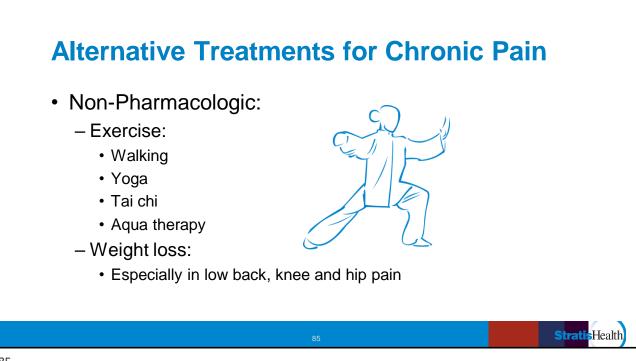
Never abruptly "Cut off" a patient*

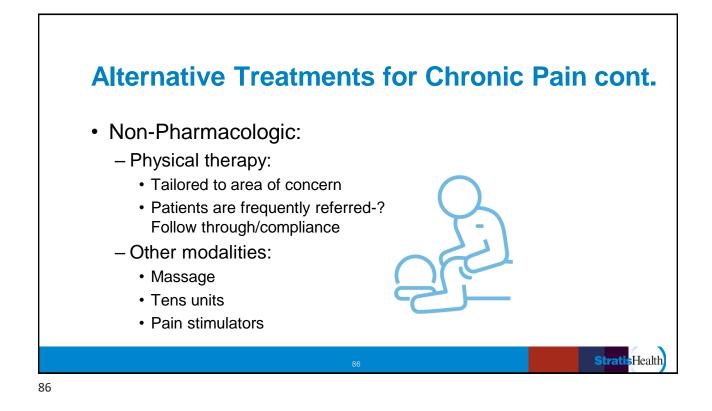
*If a patient does not have their opioid in their urine occasionally on subsequently tested UDAS, then discontinuation is acceptable – this wouldn't be a taper

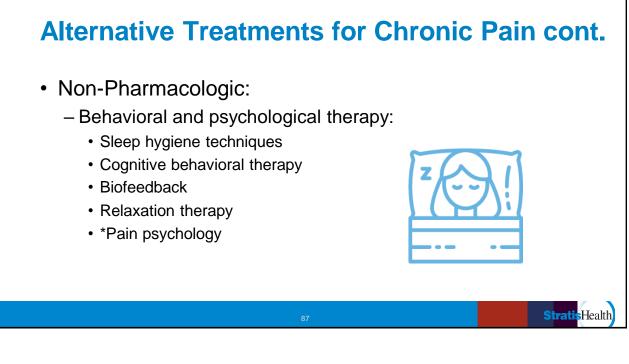


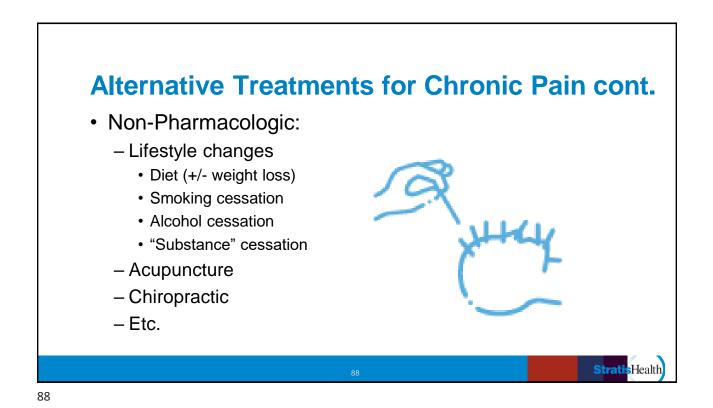




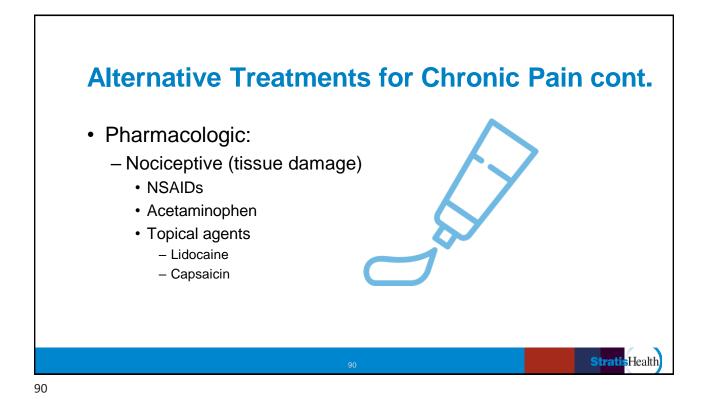


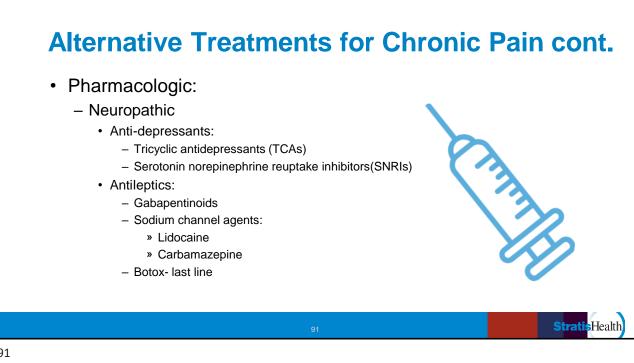












Alternative Treatments for Chronic Pain cont.

 Referral for neuromodulation, interventional therapy or multidisciplinary team



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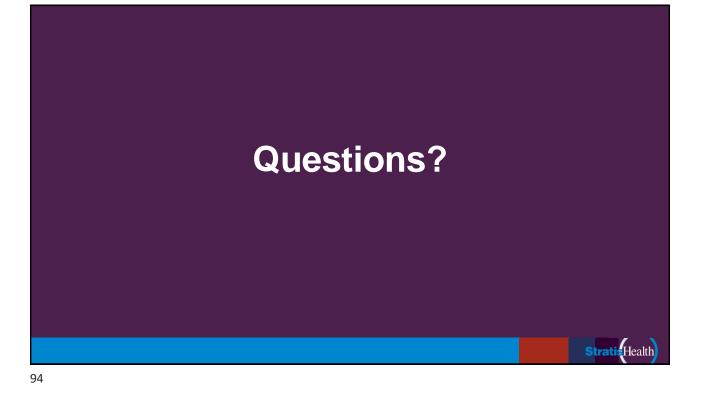
Alternative Treatments for Chronic Pain cont.

Never underestimate the effect of current mental health or past trauma



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