

# Opioid Misuse in Adolescents: Prevention and Detection

Lori Holleran Steiker, Ph.D.

Professor, University of Texas Steve Hicks School of Social Work
Director of Instruction, Engagement & Wellness, UGS

Jessica Duncan Cance, M.P.H., Ph.D.
Agency Analytics Unit Manager, Center for Health Statistics
Texas Department of State Health Services

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### **DISCLOSURES**

 Cardea Services is approved as a provider of continuing nursing education by Montana Nurses Association, an accredited approver with distinction by the American Nurses Credentialing Center's Commission on Accreditation.



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### **COMPLETING THIS ACTIVITY**

Upon successful completion of this activity, 3 contact hours will be awarded Successful completion of this continuing education activity includes the following:

- · Attending the entire CE activity;
- · Completing the online evaluation by March 31, 2018;
- Submitting an online CE request.

Your certificate will be sent via email.

If you have any questions about this CE activity, contact Lori Weber at lweber@cardeaservices.org or (512) 982-9168.



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# **CONFLICT OF INTEREST**

The planners and presenters of this activity have no relevant financial relationships with any commercial interests pertaining to this activity.



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# Acknowledgement

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# By March 31

Cardea Staff will send an email to participants by Monday, March 26, with a link to the evaluation. Once the evaluation is completed, participants can request a certificate. The certificate request must be completed by March 31, 2018.



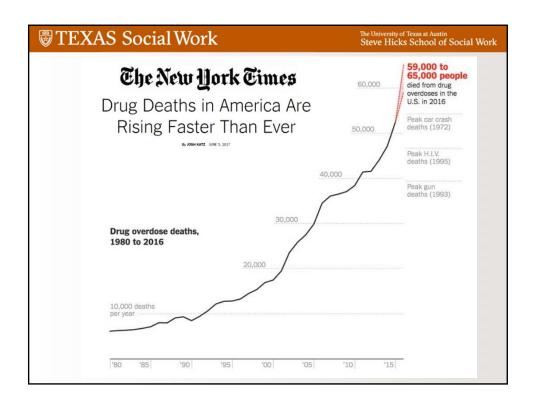
### **TEXAS Social Work** The University of Texas at Austin Steve Hicks School of Social Work Opioid Misuse and Prevention in Girls Agenda 9:00 - 9:30**Understanding Addiction** Overview of Opioids 9:30 - 9:459:45 - 10:15Opioid Misuse and Consequences in Texas 10:15-10:30 Break 10:30 – 10:45 Risk Factors for Opioid Misuse 10:45 - 11:45 Preventing Opioid Misuse and Related Consequences 11:45 – 12:00 Wrap Up and Final Questions 12:00 - 12:15 Evaluation CARDEA

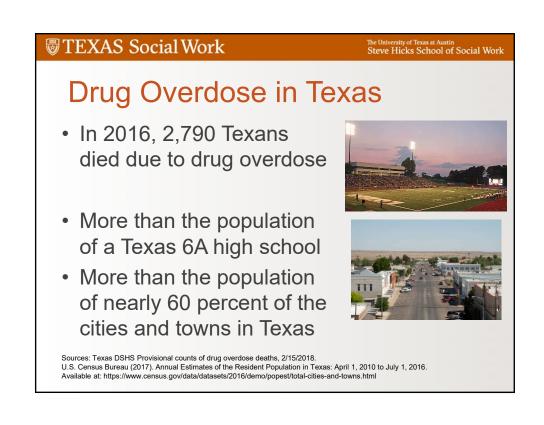
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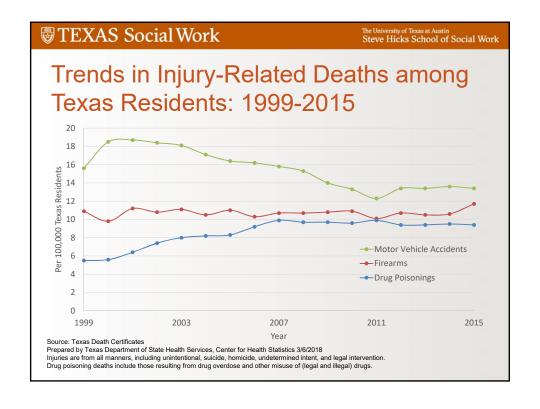
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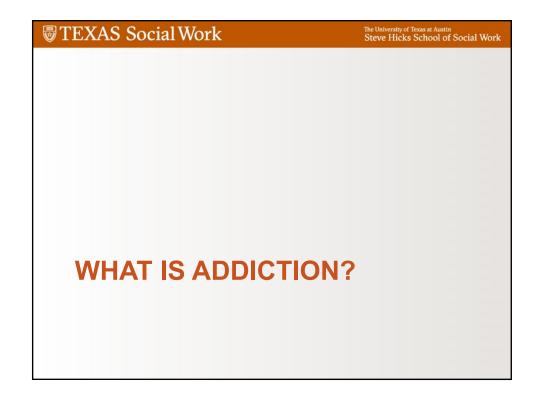
# **Objectives**

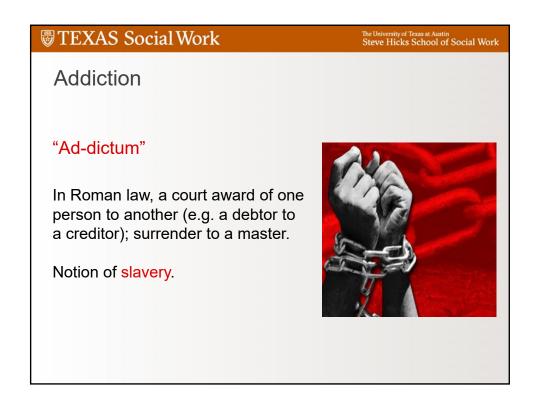
- Understand the Bio-Psycho-Social aspects of substance misuse/substance use disorders
- · Recognize opioids (street names, packaging)
- Describe how opioids are different from other substances
- Articulate the dangers of opioids for youth
- Discuss the risk and protective factors for opioid misuse
- Describe strategies for opioid misuse prevention
- · Recognize the indicators/signs of opioid misuse

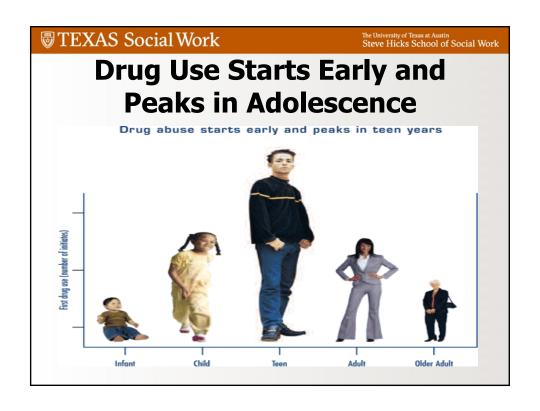




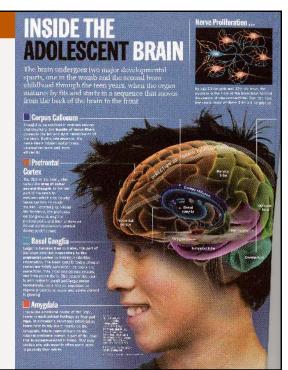


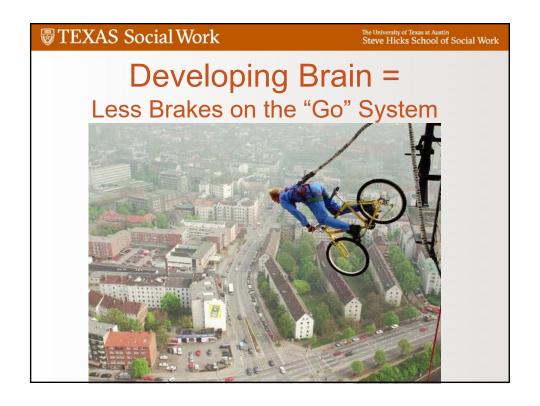


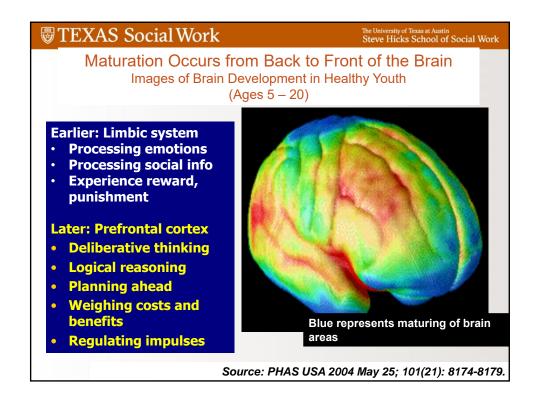


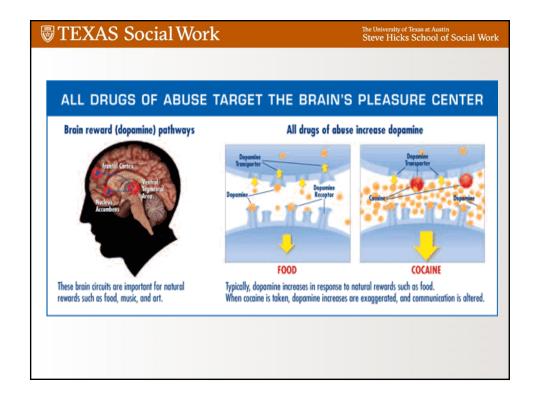


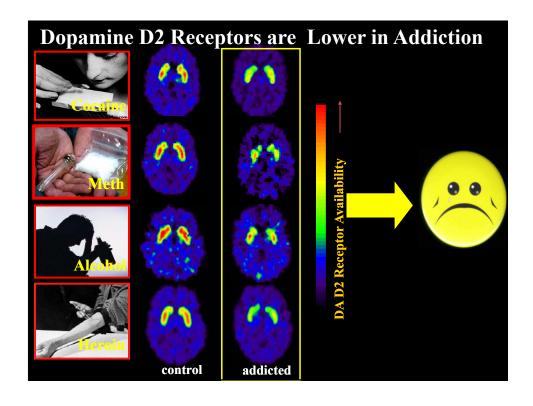
- Adolescence is a period of profound brain maturation.
  - We thought brain development was complete by adolescence
  - We now know... maturation is not complete until about age 25.

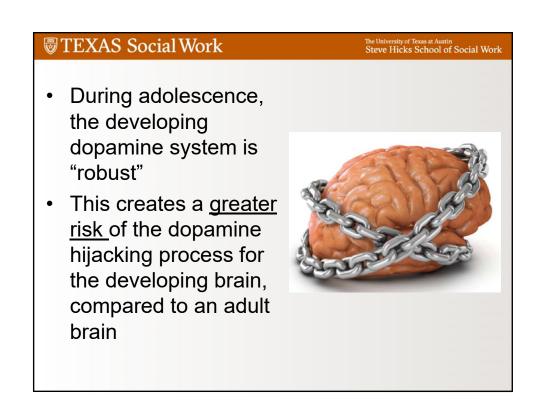












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**P** = Promote activities that capitalize on the strengths of the developing brain.

**A** = Assist children with challenges that require planning.

**R** = Reinforce their seeking advice from adults; teach decision making.

**E** = Encourage lifestyle that promotes good brain development.

**N** = Never underestimate the effects of alcohol on the developing brain.

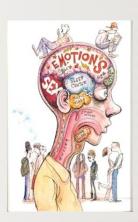
**T** = Tolerate the "oops" behaviors due to an immature brain.

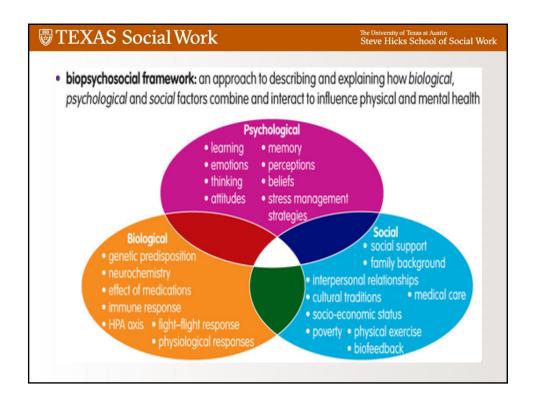
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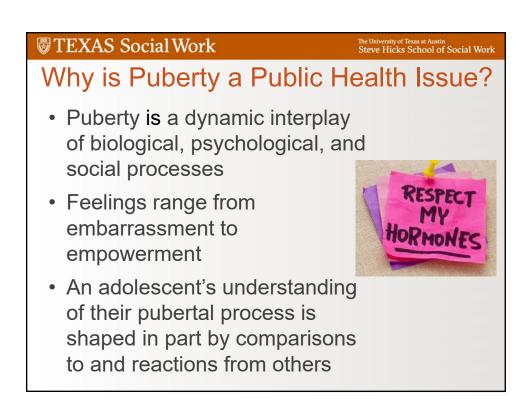
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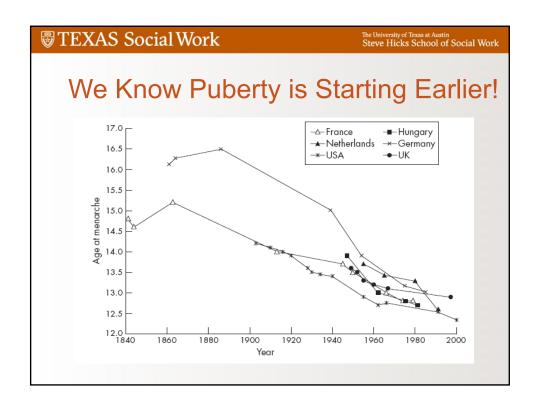
## Recipe for a Healthy Brain

- Good diet
- Vitamins (multi-vitamins)
- Exercise
- Sufficient sleep
- Social connections
- Positive thinking
- Helping others
- New learning
- Drug-free lifestyle
- Seek help if mental/behavioral problems





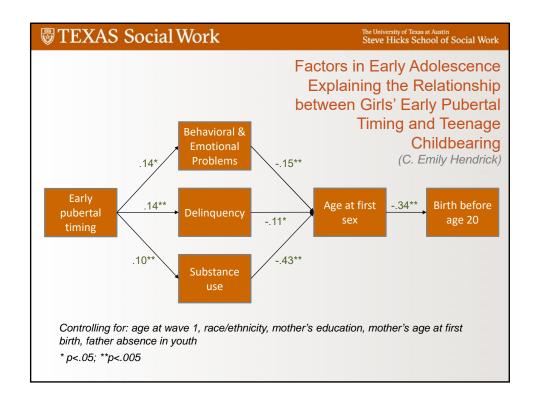




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# Pubertal timing and adolescent risk: Two competing hypotheses

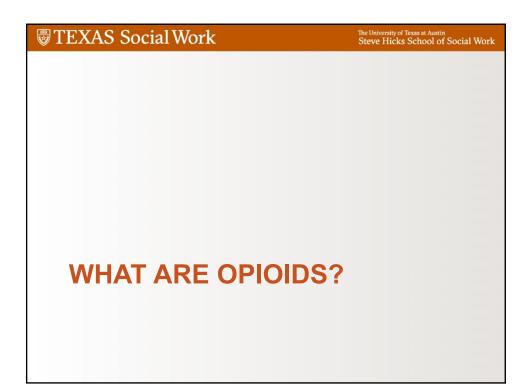
- Developmental readiness hypothesis
  - Early developing adolescents are at risk
- Maturational-deviance hypothesis
  - Off-time adolescents (early or late) are at risk

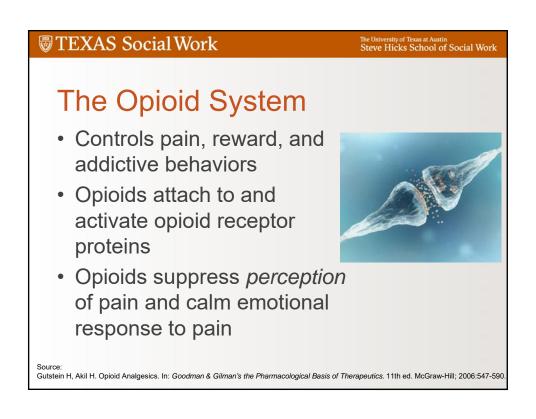


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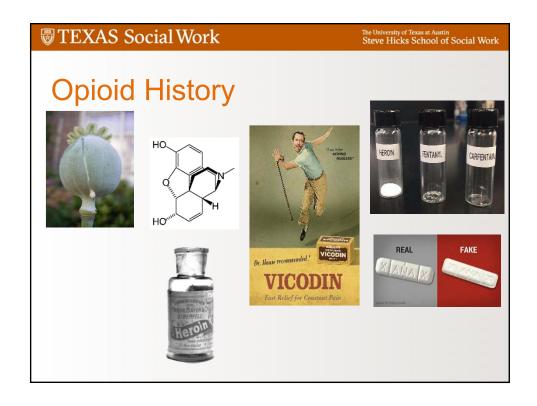
# Mexican American Puberty Study

"To be prepared for challenges like, umm, once you start growing and you're going to middle and high school, there's going to be a lot of challenges like drugs, and alcohol, or skipping, because I was, for some reason, I was one of the people who had, like, like those challenges, and after I said no again and no, like, they kept on coming to me... I guess there are a lot of challenges out there, and you would have to not take any of those bad challenges."









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PAIN ASSESSMENT TOOL

### Pain in the United States

- In 2016, nearly one in five adults had chronic pain in the past six months
- Estimated cost of \$635 billion
- Late 1990s, pain was recognized the fifth vital sign

Sources:

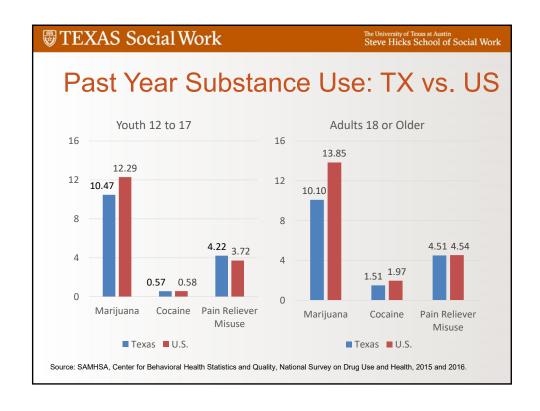
QuickStats: Age-Adjusted Percentage of Adults Aged ≥18 Years Who Were Never in Pain, in Pain Some Days, or in Pain Most Days or Every Day in the Past 6 Months, by Employment Status — National Health Interview Survey, United States, 2016. MMWR Morb Mortal Wkly Rep 2017;66:796.

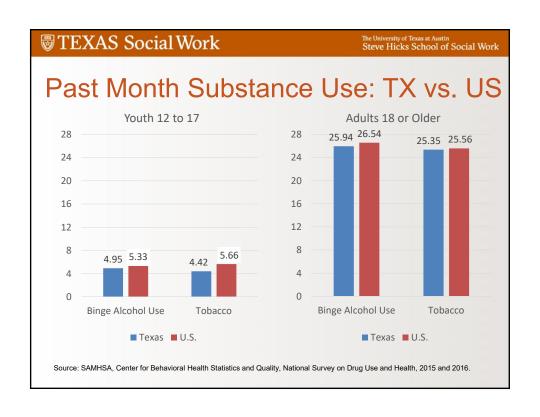
Gaskin, D.J., & Richard, P. (2012). The Economic Costs of Pain in the United States. The Journal of Pain, 13 (8), 715.

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OPIOID MISUSE AND CONSEQUENCES IN TEXAS





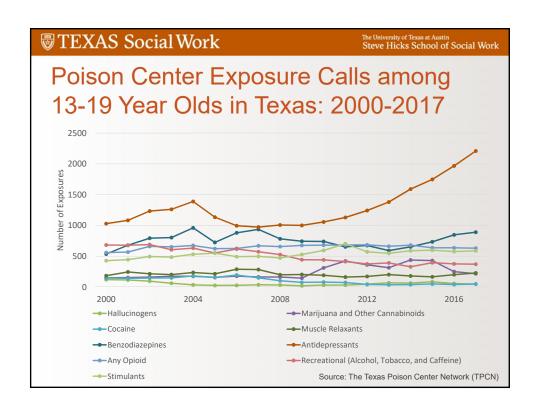
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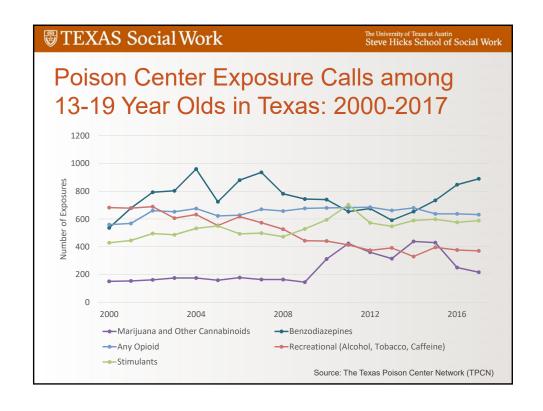
# Past Year Opioid Misuse

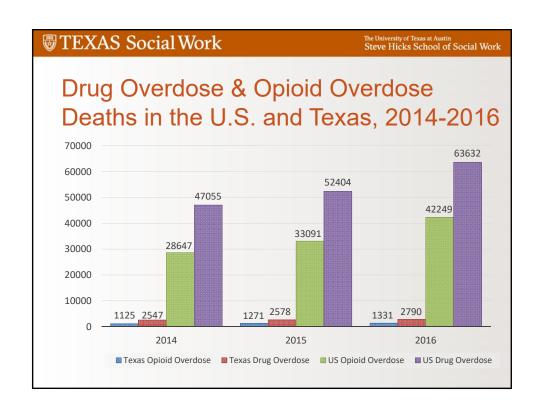
- In 2016, nearly 12 million people aged 12 or older misused opioids in the U.S.
- Among Texas students in grades 7-12
  - 9 percent misused codeine cough syrup
  - 4 percent misused other opioids
- Among Texas college students
  - 4 percent misused opioids (including codeine)

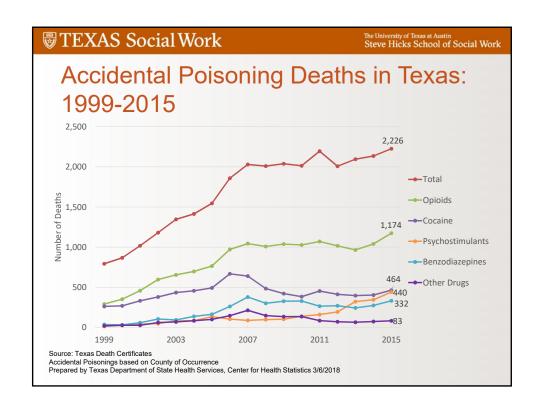
Sources:

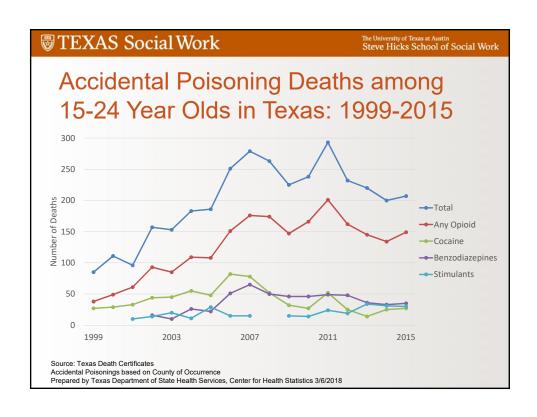
SAMHSA, National Survey on Drug Use and Health, 2016 Texas School Survey of Drug and Alcohol Use, 2016 Texas College Survey, 2017

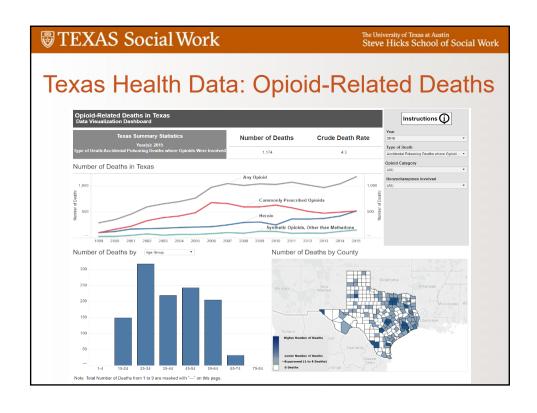


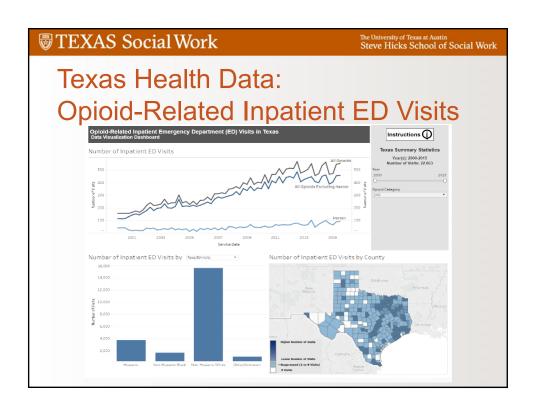


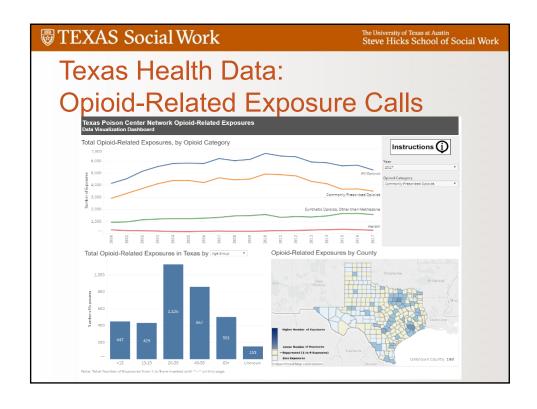


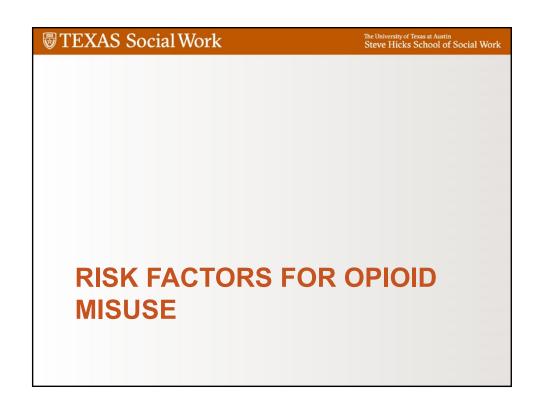


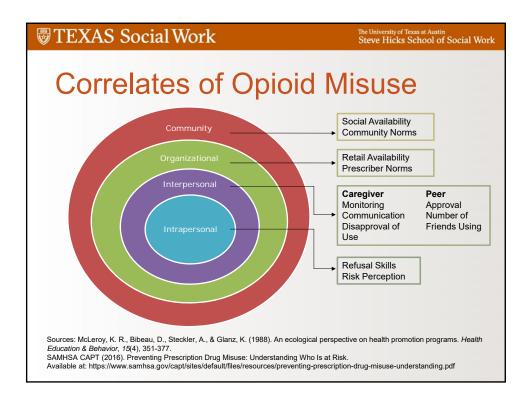










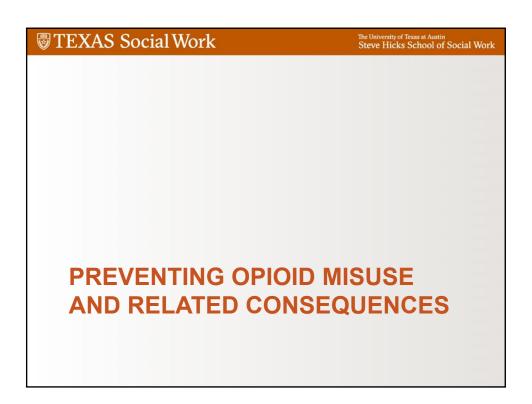


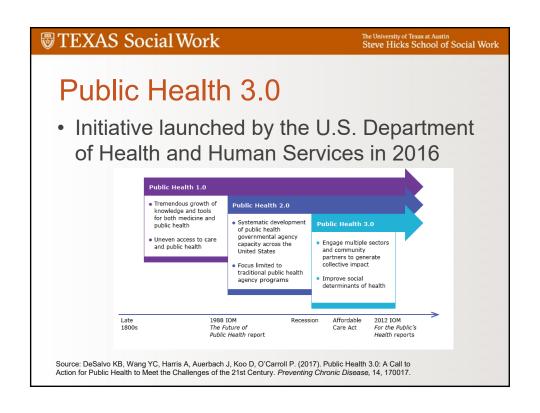
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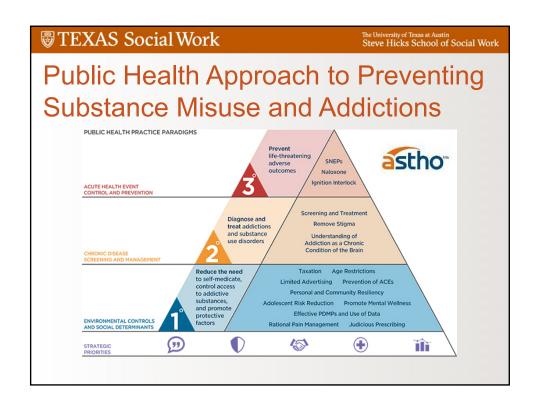
# Opioid misuse higher in youth with . .

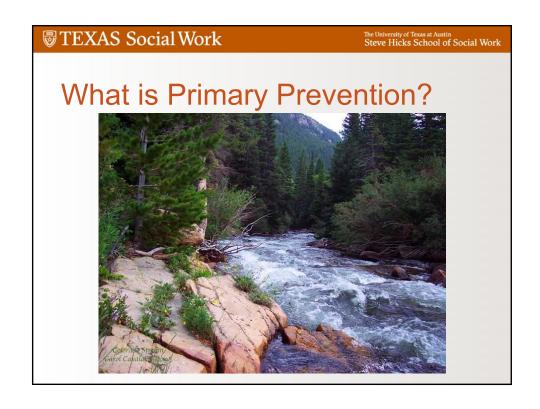
- History of delinquent activities
- Recent mental health, trauma or emotional problems
- · Involvement with the illicit drug market
  - More than one-third (39%) of those who had ever sold illicit drugs self-reported misusing prescription opioids during the previous year
- Lenient attitudes of people their age trying marijuana
- Association with more marijuana-using classmates
- Little attendance at religious services
- Concurrent alcohol and tobacco and nearly endemic among users of illicit drugs

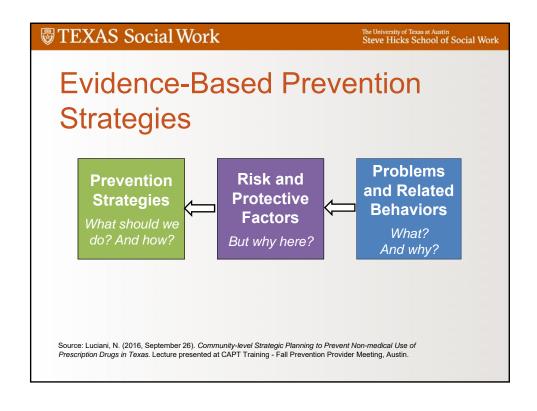
Source: Sung, Richter, Vaughn, Johnson & Thom (2005)

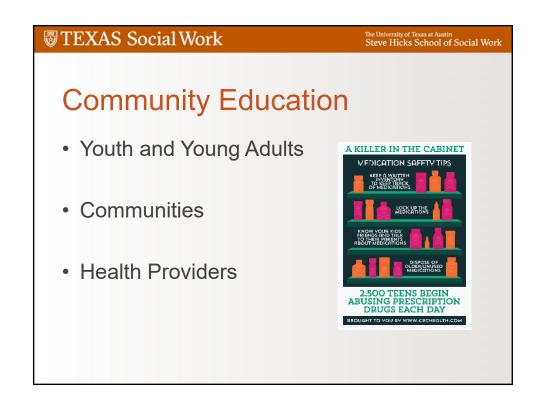


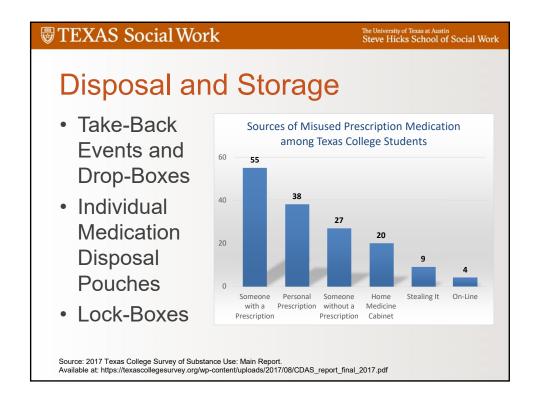


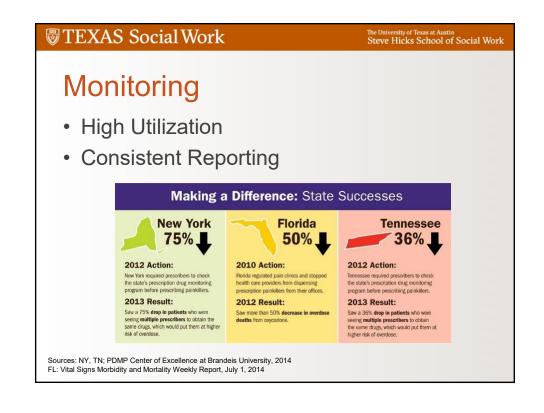












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# **Texas Prescription Monitoring Program**

- Moved from the Department of Public Safety to the Texas Board of Pharmacy in 2016
- Prescriber mandate passed Spring 2017 (House Bill 2561, 85<sup>th</sup> Regular Session)
  - Registration
  - Requires patient look-up prior to prescribing opioids, benzodiazepines, barbiturates, or carisoprodol

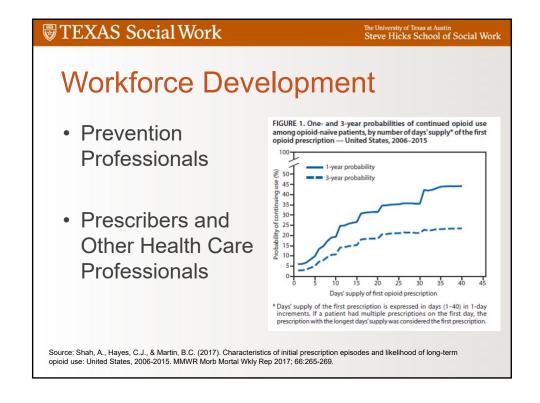
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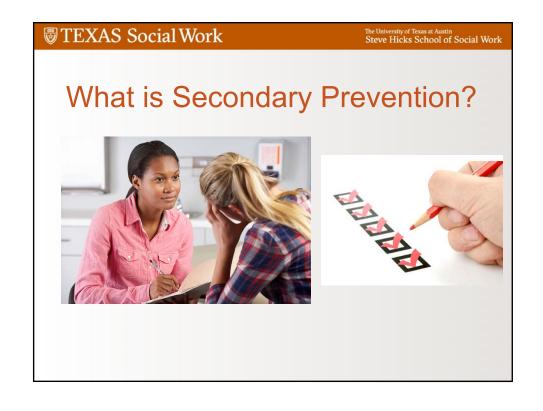
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# Opioid Prescribing in Texas

	Number of Prescriptions/Week N (%)	
Opioid Category	June 2, 2014	July 22, 2015
Hydrocodone	254,731 (81.3)	119,748 (40.5)
Schedule II Opioids	35,194 (11.2)	38,753 (13.1)
Codeine/APAP	6,151 (2.0)	58,394 (19.8)
Tramadol	17,299 (5.5)	78,520 (26.6)
Total	313,375 (100.0)	295,415 (100.0)

Source: Texas Prescription Drug Monitoring Program. Analysis by Dr. Marc Fleming





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# Warning Signs

- family substance abuse
- truancy or sudden grade drop
- change in peer group
- quitting important activities
- legal difficulties
- drug-related paraphernalia

- unknown source of income
- physical changes
- "hanging out" in strange places
- justification of use due to stressors

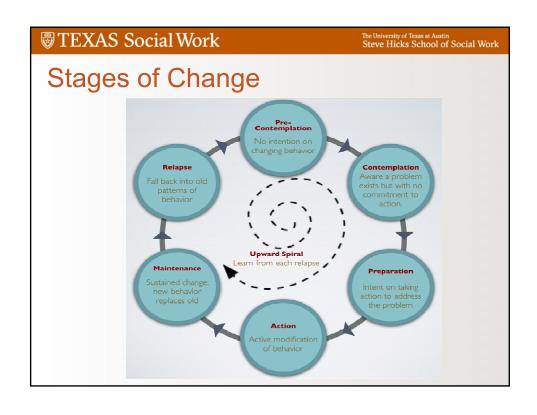


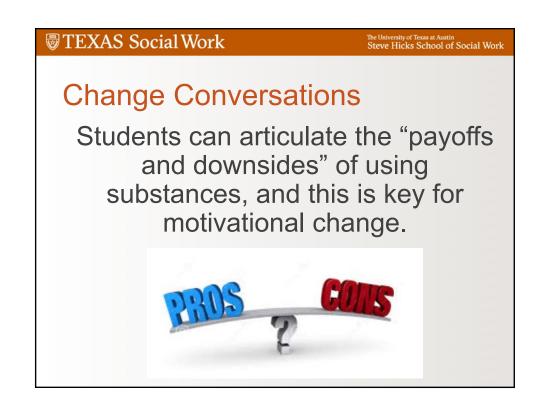
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# TOOL KIT: How to talk about drugs

- · Set a respectful and inquisitive, intimate and safe tone
- Do not interrupt
- You cannot change someone they must choose change
- Don't make assumptions there is no typical "profile" for substance misuse and addiction
- Listen more than talk reflect what you hear don't try to FIX
- Be candid and nonjudgmental
- · Affirm perspective, feelings, and freedom of choice
- · Ask questions tentatively
- Be patient and do not get defensive people with substance use problems may turn the conversation quickly to make the person asking lose balance
- Use non-stigmatizing language

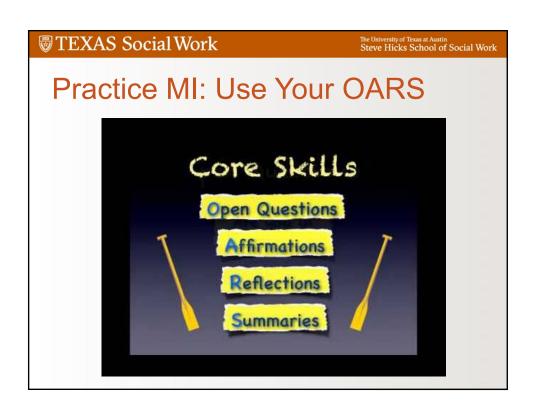


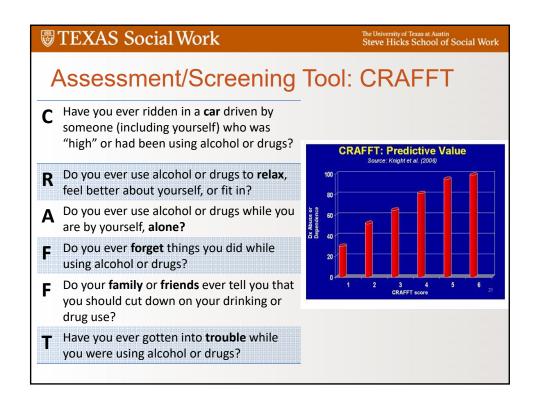


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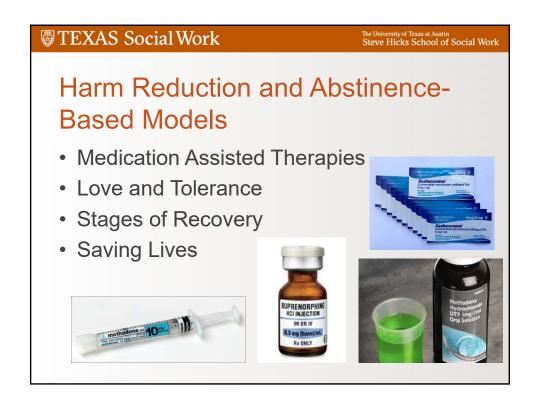
# Screening & Brief Intervention (SBI)

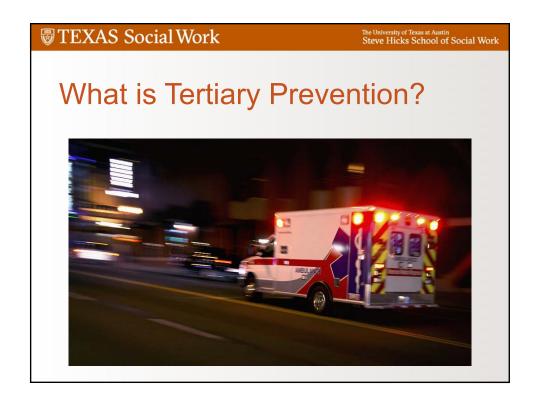
- Designed for use by counselors and professionals who do not specialize in addiction treatment
- Person-centered methodology that uses motivational techniques based on the person's readiness to change
- Gives feedback and recommendations respectfully, without judgment or accusations, in the form of useful information
- Identified by The National Institute on Alcohol Abuse and Alcoholism (NIAAA, 2002) as showing clear evidence of effectiveness with students

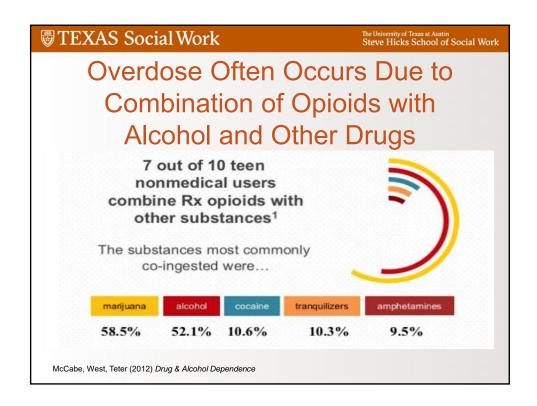


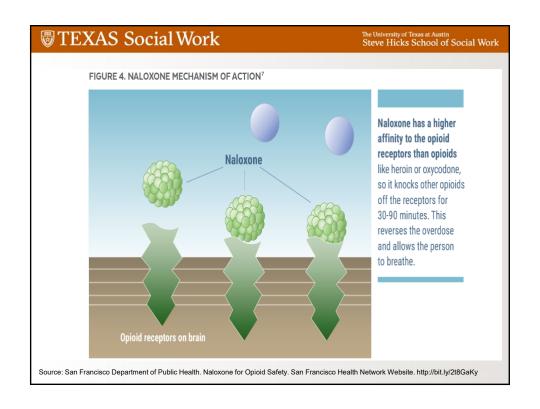


# Referrals and Resources Outreach, Screening, Assessment, and Referral Centers (OSARs) - https://www.dshs.texas.gov/sa/OSAR/ Peer Coaches Treatment Centers Detox Recovery ATX and TONI

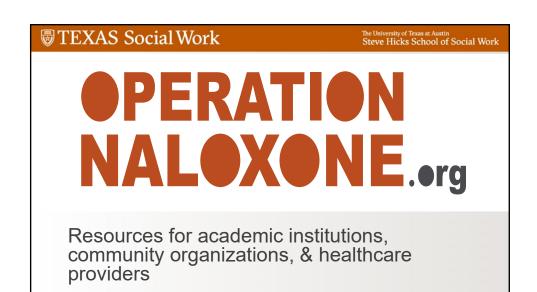












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# Recommendations

- Elementary and Middle Schools must invest and provide resources to make students aware and prepared
- Teams must find ways to collaborate and achieve effective communication and networking between community experts, teachers, students, staff and administrators
- Overdose Prevention trainings exist and can be tailored for unique cultural groups
- Creatively overcome challenges of weaving policy, practice, and research for further impact on school campuses
- We need to act quickly. There are lives to be saved!

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# **Contact Information and Resources**

Lori Holleran Steiker, Ph.D.

lorikay@mail.utexas.edu (512) 415-7308

Jessica Duncan Cance, M.P.H., Ph.D.

jessica.cance@dshs.texas.gov (512) 776-2154

**Operation Naloxone** 

OperationNaloxone.org

Texas Overdose Naloxone Initiative (TONI)

http://www.texasoverdosenaloxoneinitiative.com/

Texas Health Data

http://healthdata.dshs.texas.gov/Home

