

# Pediatric Substance Use: Stigma and Silos

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 @toogonzo



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## Disclosure Information

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### Disclosure of Relevant Financial Relationships

I have no financial relationships to disclose.

### Disclosure of Off-Label and/or Investigative Uses

I will not discuss off label use and/or investigational use in my presentation.



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# What is **X**?

Parental **X** negatively affects fathers' and mothers' caregiving, material support, and nurturance, and is associated with poor health and developmental outcomes for children of all ages, including prenatally. **X** mothers are more likely than non-**X** mothers to have poor parenting skills and to have negative interactions with their children. Mothers who are **X** are less likely to use appropriate practices (such as using car seats, smoke alarms and covering electrical outlets) to prevent injury and harm among their children, and more likely to use corporal punishment. Maternal **X** is a significant risk factor for child abuse and neglect.

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# What is **x**?

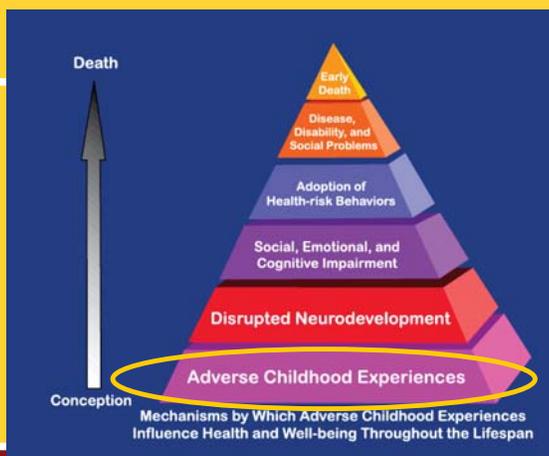
childtrends.org

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<https://www.recoveryanswers.org/addiction-ary/>

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## Neurodevelopment

- Postmortem
- fMRI



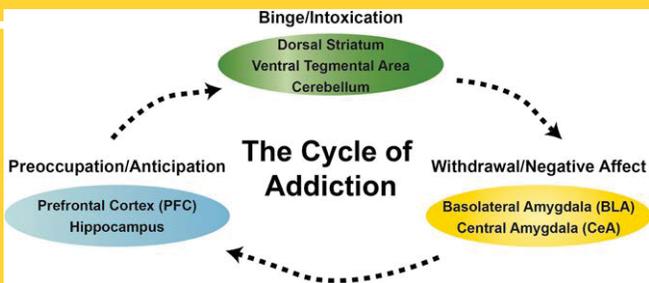
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# Neurodevelopment

impulsivity and risk-taking



risk reduction and future-oriented decision-making



Based on Koob and Volkow (2010) *Nature Reviews Neuroscience* 13:217-38.

Emerging adults aren't just tiny adults



## Co-morbidities

Median age onset of:

- anxiety (19-31 years)
- substance use disorder (20 years)
- mood disorder (30 years)

## Co-morbidities

- Almost 1:5 with any mental illness (MI) in past year, with severe MI in ~4%
- Co-occurring mental illness (MI) and substance use disorder (SUD)
  - ~6% any MI, plus SUD
  - ~2% severe MI, plus SUD

## Psychiatric Illness and Substance Use

- Of those with
  - any MI, **two-thirds** do not receive treatment
  - severe MI, almost **half** do not receive treatment

## Transition More of a Challenge in MI/SUD

- Greater unemployment
- Lower academic attainment
- More likely to experience incarceration
- Poorer physical health
- Homelessness
- Parenting challenges

## Developmental Aspects

"The most frequently marked maturity criteria by youth (94,03%) was 'to take responsibility for the consequences of your actions'."

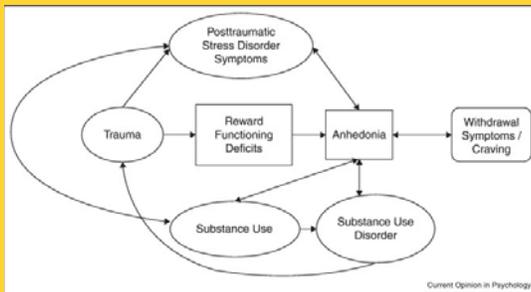
Raiu et al. (2014) Procedia - Social and Behavioral Sciences 149: 803-807

## Retention

Emerging adults lower 1 year retention (17 versus 45% in older adults)

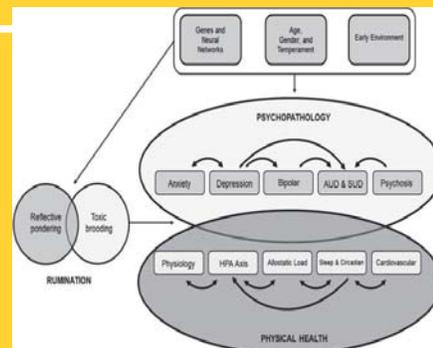
Schuman-Oliver et al. (2014) J Sub Abuse Treat 47: 202-12

## What Are We Treating?



Vujanovic et al. (2017) Current Opinion in Psychology 14: 49-55

## What Are We Treating?



Grierson et al. (2016) Psychological Med 46: 2467-84



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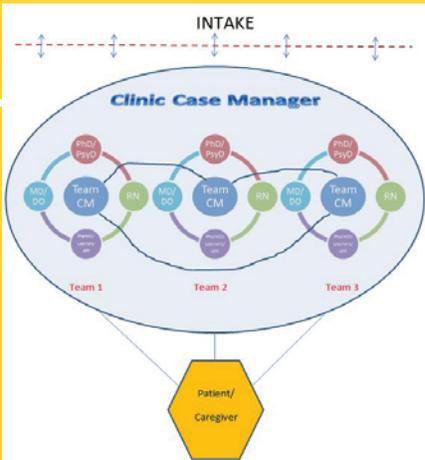
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## Our Approach

### Multidisciplinary Team

- Psychology (PhD/LAMFT)
- Case manager (LICSW)
- Pharmacist (PharmD)
- Nursing (RN)
- MD

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## UMN Discovery Programs

### SUDz PROGRAM

PROVIDING COMPREHENSIVE, OUTPATIENT SERVICES FOR FAMILIES WITH AN ADOLESCENT WHO IS EXPERIENCING PROBLEMS RELATED TO SUBSTANCE USE



### EMERGENT OBOT

OFFICE-BASED OPIOID TREATMENT WITH BUPRENORPHINE FOR EMERGING ADULTS (EMERGENT OBOT)



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## No excuses

### Online Training for Waiver to Prescribe Buprenorphine

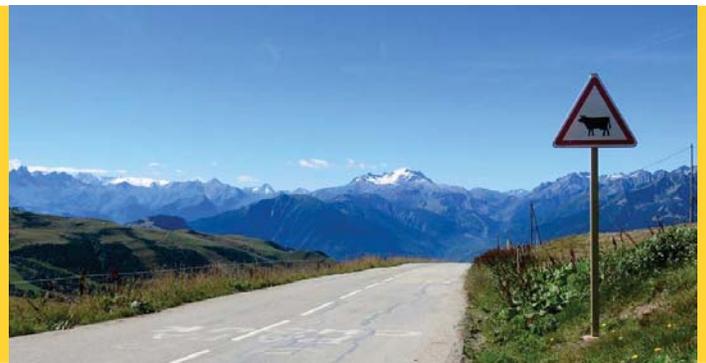
This 8-hour *online* or *in-person* course is **free to AAP members** and will allow them to apply for a waiver to prescribe buprenorphine as part of treatment of young people with opioid use disorder and learn about the use of naltrexone.

The course can be accessed at:

[www.aap.org/mat](http://www.aap.org/mat)

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## Discuss



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