

Treatment for Different Stages of Life: Adolescents, Young Adults, and the Elderly

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Adolescence Biologic growth and development Increased social pressures Increased decision making Search for self



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Substances

- Cannabis
- Alcohol
- Nicotine/vaping
- Opioids
- Cocaine
- Lots of experimenting- inhalants (nitrous and others), MDMA, synthetic cannabinoids, PCP, canthinones, stimulants, kratom, salvia

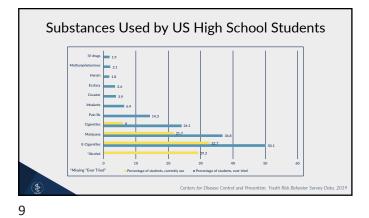
Adolescents Are Vulnerable

- Early substance use = high risk of addiction
- Adolescent immaturity during critical development period = vulnerability
 - Impulsiveness and excitement seeking
 - Difficulty delaying gratification
 - Poor executive function and inhibitory control

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Associated Factors

- Having a parent with substance use disorder
- Mood disorder
- Learning disorder/poor school performance
- Low self-esteem
- Early sexual activity
- Substance using peers
- Availability of substances in community
- Poor family dynamics; family conflict



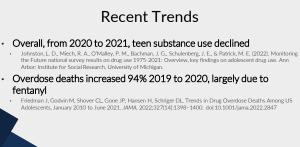


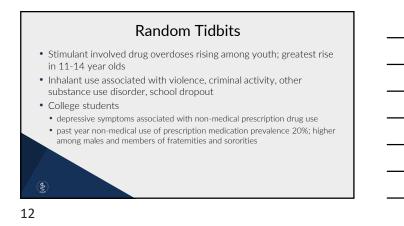
Epidemiology- 2019 Monitoring the Future

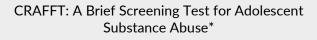
- Alcohol- 1/3 of $12^{\mbox{th}}$ graders with past month use; less binge drinking
- + Synthetic cannabinoids- past year use for $12^{\rm th}$ graders fell from 5.8% to 3.3 %
- Vaping 25.0% of 10^{th} graders and 30.9% 12^{th} graders current users of a vaping product
- Heroin- use in past year 0.4% 12th graders
- IDU increased in many urban areas; increase in co-morbid alcohol and opioid use

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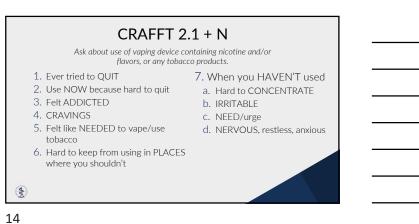


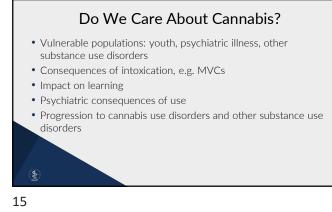


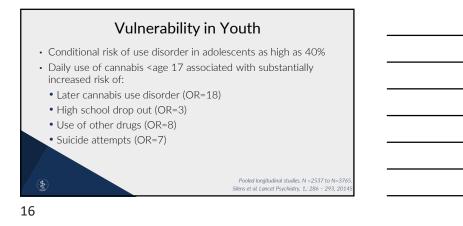
- C Have you ever ridden in a CAR driven by someone (including yourself) who was "high" or had been using alcohol or drugs?
 R Do you ever use alcohol or drugs to RELAX, feel better about yourself, or fit into the second second
- Do you ever use alcohol/drugs while you are by yourself, ALONE?
- Do your family or FRIENDS ever tell you that you should cut down on your drinking or drug use? • F -
- Do you ever FORGET things you did while using alcohol or drugs? • E -
- T Have you gotten into TROUBLE while you were using alcohol or drugs?

*2 or more yes answers suggests a significant problem

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Messaging – Overcoming Societal Attitudes

- Cannabis is addictive (but not everyone gets addicted)
- Cannabis can be harmful (but not everyone gets harmed)
- Broader use leads to broader problem use through access and decreased perceived harm
- This is a huge problem for youth and other vulnerable populations

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Features of Adolescent Treatment

- Developmental barriers to treatment engagement
- Invincibility
- Immaturity
- Motivation and treatment appeal
- Salience of burdens of treatment
- Variable effectiveness of family leverage (or not)
- Pushback against sense of parental dependence and restriction
- Prominence of co-morbidity

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Developmentally Informed Treatment - 1

- Adolescents rely on the support of adults, but also strive for autonomy
- Emphasize rewards and praise
- Emphasize adolescent learning styles, using energetic and fun activities while preserving therapeutic content
- Emphasize social alternatives to drug use
- Acknowledge normative attraction of thrill-seeking, risk, deviance
- Management of disruptive behavior is expected and essential, balancing limits
- Weave a safety net of supports: families (or surrogates), but expect some disdain

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Developmentally Informed Treatment - 2

- Encourage adolescents to formulate their own solutions
- Natural consequences: Give some rope (but not too much) and don't enable
- Emotion regulation training
- Address sleep deprivation
- Skills rehearsal
- Treatment = habilitation, not rehabilitation
- Not effective- "Just grow up!", "Just say no"

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Motivational Approaches

- Do you know other kids who have been in trouble?
- What are the pro's and con's for you?
- How much do you think is too much?
- What do you know about health risks?
- If it did become a problem in the future, how would you know?
- Do you know why I or your parents might think it's a problem?
- If you can stop anytime, would you be willing to see what it's like...
- Let's schedule you to come back and see how it's going...

Families

- Monitoring and supervision
- Modeling of prosocial behaviors
- Support for treatment
- Communication and negotiation
- Difficult balance of zero tolerance and accommodation of normative experimentation
- We need to work hard to engage families

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Which is a risk factor for substance use disorder in an adolescent?

A. Mood disorder

- B. Engagement in extra-curricular activities
- C. Early age of puberty

D.Social status

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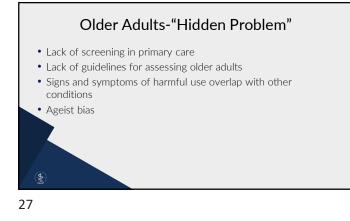
Vignette



- 3 episodes residential tx, 2 AMA, 1 completed
- Presents in crisis seeking detox ("Can I be out of here by Friday?")
- How should you care for him?





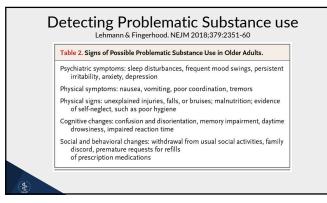




- Relying on older patient's report of frequency and quantity of substance use can lead to underestimation of the problem
 Older adults and family members may not appreciate
- deleterious consequences of long-time patterns of drinking or drug use
- Harm can come from lower amounts of substances



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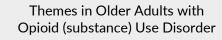
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- EB is a 72 F seen for initial visit. She has a history of chronic pain in hips and knees. Her previous provider will no longer prescribe oxycodone as for the past 2 months her 30-day script ran out after 2 weeks. Tearful and fearful that providers won't help her. Cannot take NSAIDs. She admits that she often takes oxycodone when she is upset.
- She lives alone in senior housing apartment; 2 daughters- both with difficulties (medical and social). Non-smoker; no alcohol.
- How should you care for her?

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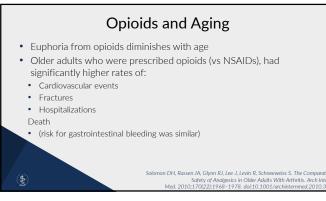


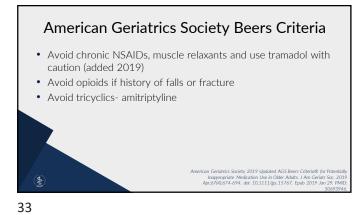


- Living alone
- Sense of isolation (despite family)
- Opioid as a "friend"
- Shame
- Fear of how to live without opioid (substance)

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Patient Vignette

- BR is a 82F brought to the ER by neighbor with "syncope", but it is noted that she has alcohol on her breath and her BAL is 228 mg/dl. When confronted she becomes tearful. Her son goes to her home and finds hidden miniatures throughout her apartment.
- How do you approach caring for her?

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Short Michigan Alcoholism Screening Test-Geriatric Version (SMAST-G)

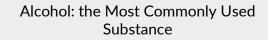
In the past year:

- $\ensuremath{\textbf{1}}$. When talking with others, do you ever underestimate how much you actually drink?
- After a few drinks, have you sometimes not eaten or been able to skip a meal because you didn't feel hungry?
- 3. Does having a few drinks help decrease your shakiness or tremors?
- **4.** Does alcohol sometimes make it hard for you to remember parts of the day or night?
- 5. Do you usually take a drink to relax or calm your nerves?

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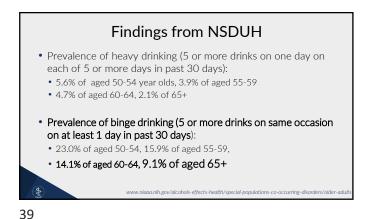






- Alcohol Use Disorder in Older Adults
 - Early Onset: 2/3 of older adults; Men>Women
- Late Onset: more likely to be triggered by stressful life event (loss of spouse, retirement, medical disability, pain, sleep problem); Women<u>></u>Men







| Which is a screening tool specifically assesses alcohol use disorder in older adults? | |
|---|--|
| A. CRAFFT | |
| B. TWEAK | |
| C. CAGE-G | |
| D. MAST-G | |
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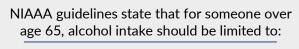
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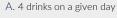
Increased Risks of Alcohol Even at "Low Consumption"

- Increased vulnerability to physiological effects
- Decreased lean muscle mass
- Decreased total body water
- Less efficient liver enzymes that metabolize alcohol
- Increased effective concentration of alcohol, higher and longer lasting blood alcohol levels
- Additional risks
 - Alcohol-medication interactions
 - Co-morbid chronic illnesses

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- B. 7 drinks in a week
- C. 14 drinks in a week for men
- D. 2 drinks in a day

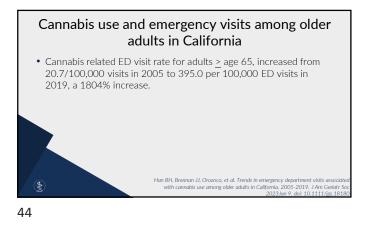
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Patient Vignette

- CR is 82M with HTN and GERD and with recurrent depression which is being treated with 2 different antidepressants. His depression is much improved, but he continues to experience anxiety and stress, primarily related to worries about his wife's cancer and her poor health. He reports that he has decided to go to a marijuana dispensary and try cannabis to see if it can help his mood and his anxiety
- How do you respond?
- -

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Impact of Marijuana on Physical and Mental Health

- Older adults often see marijuana as "safer" alternative to alcohol, opioids, or pharmaceutical medications
- Short term use is associated with
- Impaired short-term memory, impaired judgment/motor coordination, driving skills
- Increased anxiety
- Paranoia and psychosis have dose-response effect



Benzodiazepine prescribing in older adults

• What are the reasons?

• Anxiety symptoms, anxiety disorders, depression with anxiety, sleeplessness

• What are the problems?

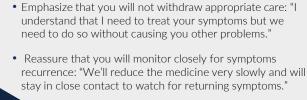
- Often prescribed for years, without good indication of continuing need
- Often prescribed for symptoms, without recognition of the true underlying cause: e.g. depression, normal worry, cognitive impairment
- Increased frequency of adverse effects with aging, polypharmacy and use of meds with long half-lives

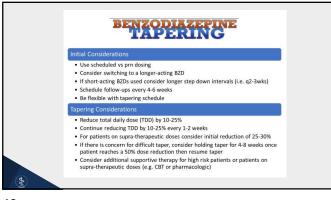
Patient vignette

 LK is an 80F with long history of episodic anxiety and low mood and insomnia- prescribed temazepam for 30 years. She has 6 month history of low mood, panicky feelings, crying spells, anxiety, poor appetite; can't multitask or concentrate. Medications aretemazepam 30mg qhs, trazodone 50mg qhs, eszopiclone 3mg qhs, tramadol 50mg prn pain, gabapentin 2400mg daily

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Deprescribing





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Patient Vignette

- KT is a 70M seen for initial visit. He has a history of Type 2 diabetes mellitus and hypertension. He lives with his wife and has 3 daughters and 8 grandchildren that he sees regularly. He enjoys watching sports and getting together with friends every Friday night to play pinochle and most times there is crack cocaine use- "we just unwind and have a good time".
- How should you address cocaine use? What if he instead drank 3-4 beers to unwind?

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Treatment Approach for Older Adults

- Don't minimize
- Confront with compassion
- Remove shame
- Build self-esteem
- Give encouragement/hope
- Undo isolation
- Work on coping skills
- Facilitate finding new ways to stay busy with use of peers

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