We need to talk about Substance Abuse and SBIRT is how we are going to do it

BOB SISE, MD, MBA, MPH

ADDICTION PSYCHIATRIST

UW PSYCHIATRY RESIDENCY TRAINING PROGRAM

THE MONTANA TRACK AT BILLINGS CLINIC

Speaker disclosures

✓ Co-Owner/Co-Founder of Telepsychiatry Firm- Avicenna

✓ Co-Owner/Co-Founder of Psychiatric Disability Eval LLC- MD Assess

Objectives



Overview of SUD in United States

20.2 million adults have an SUD in the past year (2014) \rightarrow 6% of population

- 16.3 million with Alcohol use disorder
- 6.2 million with illicit drug use disorder
- Only 7.5% of these received substance abuse treatment

(Lipari & Van Horn 2017)

Prevalence in U.S. general population



25% of patients prescribed opioids for chronic pain misuse them (Vowles et al. 2015)

Opioid Use Facts

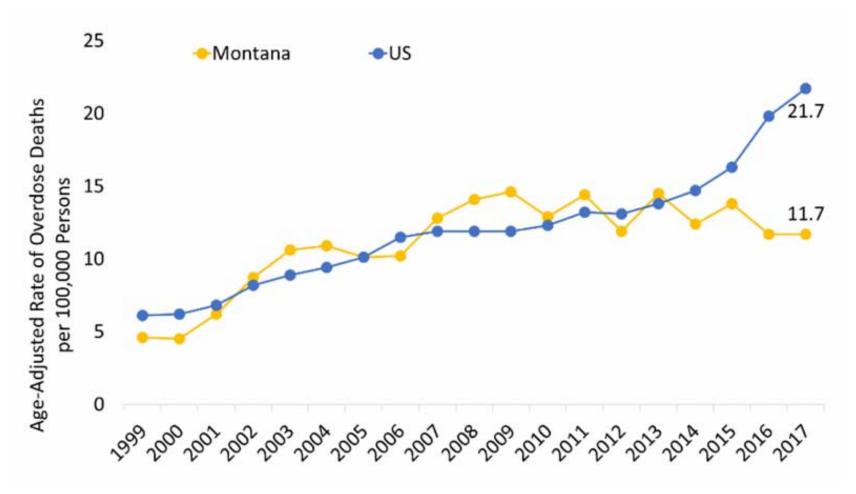


10% will develop an opioid use disorder

5% who misuse Rx opioids transition to heroin

80% of heroin users first misused Rx opioids (Muhuri et al. 2013)

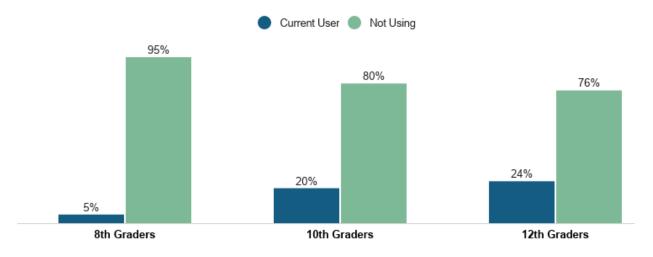
Opioid Overdose Deaths in MT vs USA



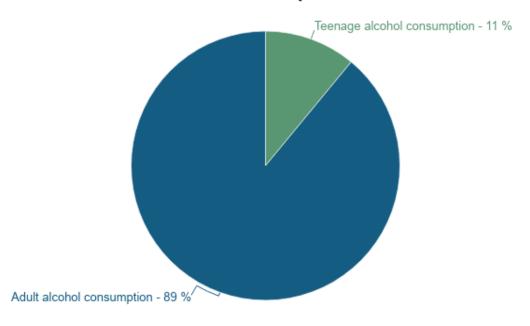
*NIH DATA

Adolescent Drug and Alcohol Abuse

Current drug users (within past month) in US high schools in 2011



US Alcohol Consumption in 2018



*National Center for Drug Abuse Statistics- 2020

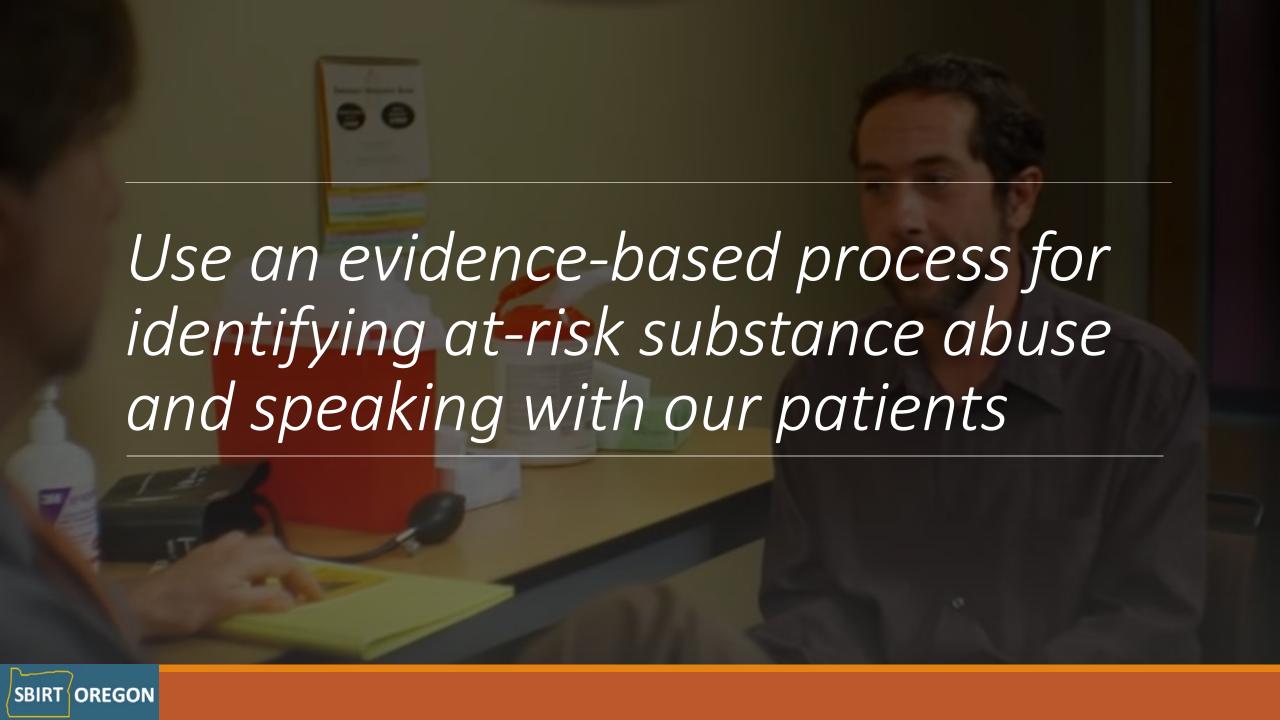
How do we engage with our patients regarding their substance use?







Paternalism...reckless empathy...passive objectivity... or...



Alternative Title For This Talk

SBIRT at Billings Clinic

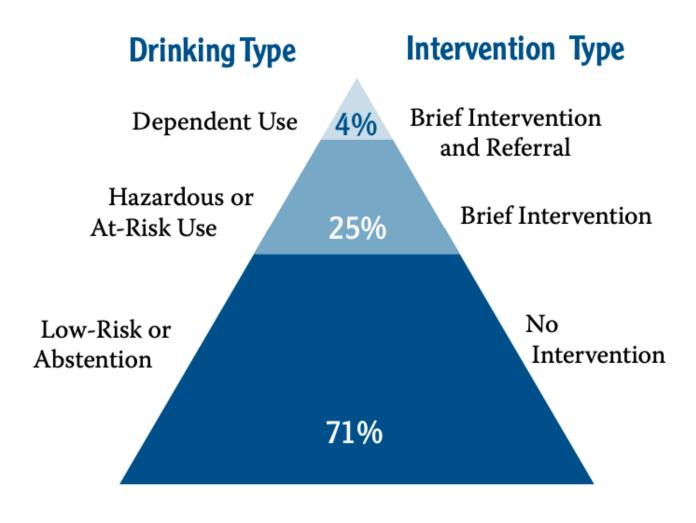
Meeting patients where they are at in their substance abuse to find their unmet needs for treatment and change

SCREENING, BRIEF INTERVENTION AND REFERRAL TO TREATMENT (SBIRT)

Motivation for SBIRT: EtOH Abuse Epidemiology

Pyramid of Alcohol Consumption

American College of Surgeons Committee on Trauma. "Alcohol screening and brief intervention (SBI) for trauma patients." *Committee on Trauma Quick Guide. Chicago: ASCOT* (2007).



Note: The prevalence estimates in this figure are for non-institutionalized U.S. population, not trauma patients.





Substance Abuse and Mental Health Services Administration

oBranch of the U.S. Department of Health and Human Services.

oLeads public health efforts to advance the behavioral health of the nation.

oLed by Assistant Secretary for Mental Health and Substance Use (OAS): Elinore F. McCance-Katz, M.D., Ph.D. *Addiction Psychiatrist*



Public health approach:

- o early intervention for individuals with risky alcohol and drug use
- o timely referral to more intensive substance abuse treatment for those who have substance abuse disorders.



SAMHSA defines a comprehensive SBIRT model to include the following characteristics:

- Universal screening
- Brief interventions (5-10 minutes)
- One or more specific behaviors related to risky alcohol and drug use are targeted.
- The services occur in a public health non-substance abuse treatment setting
- In addition to brief intervention, it includes referral to treatment.

Evidence Base for SBIRT

Source: SAMHSA 2011 White Paper

	Screening	Brief Intervention ¹	Brief Treatment ²	Referral to Treatment	Evidence for Effectiveness of SBIRT
Alcohol Misuse/Abuse	✓	✓	✓	\checkmark	Comprehensive SBIRT effective (Category B classification, USPSTF)
Illicit Drug Misuse/Abuse	\checkmark	*	*	\checkmark	Growing but inconsistent evidence
Tobacco Use	✓	✓	✓	✓	Effective brief approach consistent with SBIRT (USPSTF; 2008 U.S. Public Health Service (PHS) Clinical Practice Guideline

Key: ✓ Evidence for effectiveness/utility of component

* Component Demonstrated to show Promising Results

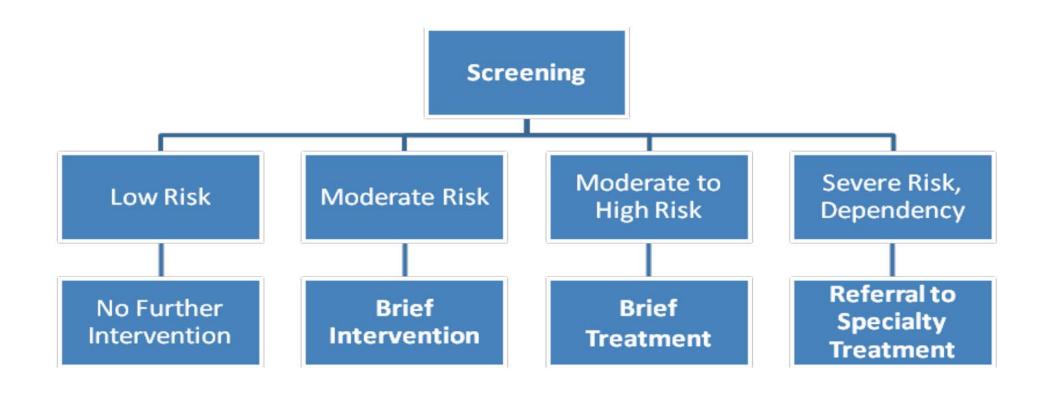
Not Demonstrated and/or Not Utilized

SBIRT- Evidence Base

- OSignificant evidence for the effectiveness SBIRT for reducing harmful drinking
 - >especially when brief intervention is delivered by a physician or other qualified health professional*
- •Mixed evidence base regarding SBIRT for reducing drug abuse
 - Several studies support value of screening, referral to specialty care (i.e. addiction medicine/psychiatry)**

^{*}Bien et al, 1993; Kahan et al, 1995; Wilk et al, 1993

^{**}Madras et al, 2008; Saitz et al, 2010; Bernstein et al., 2005



SBIRT Process

Step 1? Screening

- Ovariety of tools available
- •Those targeting Alcohol Use Disorder have the most robust evidence supporting their use:
 - **>**AUDIT
 - **≻**CAGE
 - **≻**CRAFFT
- oFor illicit substance abuse: DAST
- oFor youth: CRAFFT 2.0

Step 1: Screening

The Alcohol Use Disorders **Identification Test** (AUDIT)

One drink equals:



12 oz. beer

5 oz. wine

1.5 oz. liquor (one shot)

			1	(one sn	ot)
How often do you have a drink containing alcohol?	Never	Monthly or less	2 - 4 times a month	2 - 3 times a week	4 or more times a week
How many drinks containing alcohol do you have on a typical day when you are drinking?	0 - 2	3 or 4	5 or 6	7 - 9	10 or more
3. How often do you have four or more drinks on one occasion?	Never	Less than monthly	Monthly	Weekly	Daily or almost daily
4. How often during the last year have you found that you were not able to stop drinking once you had started?	Never	Less than monthly	Monthly	Weekly	Daily or almost daily
5. How often during the last year have you failed to do what was normally expected of you because of drinking?	Never	Less than monthly	Monthly	Weekly	Daily or almost daily
6. How often during the last year have you needed a first drink in the morning to get yourself going after a heavy drinking session?	Never	Less than monthly	Monthly	Weekly	Daily or almost daily
7. How often during the last year have you had a feeling of guilt or remorse after drinking?	Never	Less than monthly	Monthly	Weekly	Daily or almost daily
8. How often during the last year have you been unable to remember what happened the night before because of your drinking?	Never	Less than monthly	Monthly	Weekly	Daily or almost daily
9. Have you or someone else been injured because of your drinking?	No		Yes, but not in the last year		Yes, in the last year
10. Has a relative, friend, doctor, or other health care worker been concerned about your drinking or suggested you cut down?	No		Yes, but not in the last year		Yes, in the last year

Step 1: Screening

AUDIT

Interpretation

Score*	Suggested zone	Indicated action
0-3: Women 0-4: Men	I – Low risk (low risk of health problems related to alcohol use)	Brief education
4-12: Women 5-14: Men	II - Risky (increased risk of health problems related to alcohol use)	Brief intervention
13-19: Women 15-19: Men	III - Harmful (increased risk of health problems related to alcohol use and a possible mild or moderate alcohol use disorder)	Brief intervention or referral to specialized treatment
20+: Men 20+: Women	IV - Severe (increased risk of health problems related to alcohol use and a possible moderate or severe alcohol use disorder)	Referral to specialized treatment

Validated in adolescents ages 14 to 18*:

- → cut point of 2 for to qualify for Zone II- "risky"**
- → cut point of 3 for alcohol abuse or dependence**

Knight, John R., et al. 2002*
Society of Adolescent Health and Medicine **

Evidence Base for AUDIT

- OScore of 8 or greater on the AUDIT is generally considered a positive test for unhealthy alcohol use, with greater than 90 percent sensitivity and 80 percent specificity*
- OA score of greater than 20 suggests alcohol use disorder
- OAUDIT has been validated in the primary care settings
 - ➤ Including via a large randomized trial using brief intervention**
- oVA study on the use of electronic clinical reminders with patients following screening with AUDIT-C:
 - Linked with moderate drinking reductions at follow up***
- *Babor et al, 2001; Maisto et al, 2003.
- **Babor et al, 1994; Johnson et al, 2013.
- ***Williams et al, 2010

AUDIT -C

Abbreviate version consisting of first 3 questions.

Sensitivity preserved – Specificity reduced but still meaningful

- 1. Bush et al, 1998
- 2. Bradley et al, 2003

Psychometric Properties

For identifying patients with heavy/hazardous drinking and/or Active-DSM alcohol abuse or dependence

	Men ¹	Women ²			
≥3	Sens: 0.95 / Spec. 0.60	Sens: 0.66 / Spec. 0.94			
≥4	Sens: 0.86 / Spec. 0.72	Sens: 0.48 / Spec. 0.99			
For identifying patients with active alcohol abuse or dependence					
≥ 3	Sens: 0.90 / Spec. 0.45	Sens: 0.80 / Spec. 0.87			
≥ 4	Sens: 0.79 / Spec. 0.56	Sens: 0.67 / Spec. 0.94			

Step 1: Screening

The CRAFFT Interview

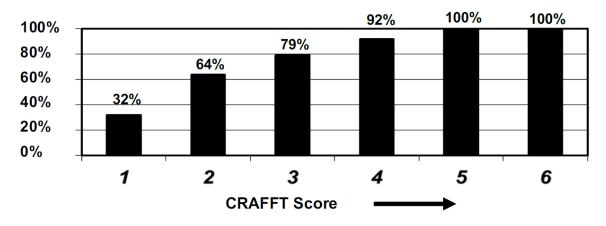
→ validated in adolescent population

C Have you ever ridden in a CAR driven by someone (including yourself) who was "high" or had been using alcohol or drugs?	No	Yes
R Do you ever use alcohol or drugs to RELAX , feel better about yourself, or fit in?	No	Yes
A Do you ever use alcohol or drugs while you are by yourself, or ALONE ?	No	Yes
F Do you ever FORGET things you did while using alcohol or drugs?	No	Yes
 F Do you ever FORGET things you did while using alcohol or drugs? F Do your FAMILY or FRIENDS ever tell you that you should cut down on your drinking or drug use? 	No No	Yes

CRAFFT: *EtOH/drugs in youth*

- Favored by American Academy of Pediatrics Policy Statement on SBIRT.*
- •Responding "yes" to two of the questions is considered a positive screen**
 - > At the very least prompts brief counseling.
- OA score of 4 or more has a association with a diagnosis of a substance use disorder**

Probability of a DSM-5 Substance Use Disorder by CRAFFT score* **



^{*}AAP Committee on Substance Abuse, 2011
Knight et al., 2002*Woodruff et al, 2014
***Mitchell SG. et al 2014.

Step 1: Screening

The Drug Abuse Screening Test (DAST)

Which recreational drugs have you used in the past year? (Check all that apply)					
☐ methamphetamines (speed, crystal)	□ cocaine				
☐ cannabis (marijuana, pot)	□ cannabis (marijuana, pot) □ narcotics (heroin, oxycodon				
☐ inhalants (paint thinner, aerosol, glue)	☐ hallucinogens (LSD, mushro	ooms)			
☐ tranquilizers (valium)					
How often have you used these drugs?	onthly or less	☐ Daily or a	lmost daily		
1. Have you used drugs other than those requir	red for medical reasons?	No	Yes		
2. Do you abuse (use) more than one drug at a	time?	No	Yes		
3. Are you unable to stop using drugs when you want to?			Yes		
4. Have you ever had blackouts or flashbacks as a result of drug use?			Yes		
5. Do you ever feel bad or guilty about your dr	No	Yes			
6. Does your spouse (or parents) ever complain about your involvement with drugs?			Yes		
7. Have you neglected your family because of your use of drugs?			Yes		
8. Have you engaged in illegal activities in order to obtain drugs?			Yes		
9. Have you ever experienced withdrawal symptoms (felt sick) when you stopped taking drugs?			Yes		
10. Have you had medical problems as a result of your drug use (e.g. memory loss, hepatitis, convulsions, bleeding)?			Yes		
		0	1		
Do you inject drugs? No Yes					
Have you ever been in treatment for a drug pro	oblem? No [Yes				

Step 1: Screening

DAST

Interpretation

Score*	Zone	Explanation	Action
0	I – Low Risk	"Someone at this level is not currently using drugs and is at low risk for health or social complications."	Reinforce positive choices and educate about risks of drug use
1 - 2	II – Risky	"Someone using drugs at this level may develop health problems or existing problems may worsen."	Brief Intervention to reduce or abstain from use
3 - 5	III – Harmful	"Someone using drugs at this level has experienced negative effects from drug use."	Brief Intervention to reduce use and specific follow-up appointment (Brief Treatment if available)
6-10	IV – Severe	"Someone using drugs at this level could benefit from more assessment and assistance."	Brief Intervention to accept referral to specialty treatment for a full assessment

Evidence Base for DAST

- •Developed in addiction treatment (less evidence validating its use in primary care setting).*
 - ➤ Somewhat sensitive in adolescent populations.
 - > Demonstrated utility to
 - o assess severity**
 - o indicate when referral to addiction services is indicated (i.e. MAT)
- •Perhaps less useful than AUDIT in guiding brief intervention***
 - ► Negative studies on impact of brief intervention (guided by DAST) to reduce illicit drug use.

```
*Smith et al, 2010
```

^{**}Skinner et al, 1982 HA. The drug abuse screening test. Addict Behav 1982; 7:363

^{***}Woodruff et al, 2014



Step 1: Screening

How can we do this for all patients?

Step 1: Screening Billings Clinic Level 2 Trauma Center- Current Practices

- ACS mandates Screening and Brief intervention (SBI) for Trauma Patients
- Currently implementing CAGE screening

С	Have you ever felt the need to cut down on your drinking?	Yes	No
A	Have people annoyed you by criticizing your drinking?	Yes	No
G	Have you ever felt guilty about drinking?	Yes	No
E	Have you ever felt you needed a drink first thing in the morning (Eye-Opener) to steady your nerves or to get rid of a hang over?	Yes	No







Step 1: Screening

Time constraints?

Try pre-screening

Validated in Primary Care setting

→high sensitivity*

*Smith et al, 2010

	None	1 or more
How many times in the past year have you used a recreational drug or	0	0
used a prescription medication for nonmedical reasons?		

inhalants (paint thinner, aerosol, glue), tranquilizers (Valium), barbiturates, cocaine, ecstasy,

Drugs: Recreational drugs include methamphetamines (speed, crystal), cannabis (marijuana, pot),

Are you curre	ently in recovery fo	r alcohol or substance	use?	☐ Yes	☐ No	
Alcohol:	One drink =	BEER 12 oz. beer		5 oz. wine		1.5 oz. liquor (one shot)

		None	1 or more	
MEN:	How many times in the past year have you had 5 or more drinks in a day?	0	0	
WOMEN:	How many times in the past year have you had 4 or more drinks in a day?	0	0	

Step 1: Screening

Time constraints?

Try pre-screening

Validated among adolescents

Du	ring the PAST 12 MONTHS, on how many days did you:		
1.	Drink more than a few sips of beer, wine, or any drink containing alcohol? Say "0" if none.	# of days	
2.	Use any marijuana (cannabis, weed, oil, wax, or hash by smoking, vaping, dabbing, or in edibles) or " synthetic marijuana " (like "K2," "Spice")? Say "0" if none.	# of days	4
3.	Use anything else to get high (like other illegal drugs, prescription or over-the-counter medications, and things that you sniff, huff, vape, or inject)? Say "0" if none.	# of days	

Proceed to complete full CRAFFT screen if response is ≥ 1





The UW Harborview Medical Center Experience

- o65% of ED visits (non-trauma) are pre-screened by MSWs
- OAll primary care visits are pre-screened
- Performed brief intervention and referral to treatment when indicated by screening results
- oWhile no change in ED utilization in year 1, by year 3 ED recidivism rates and overall utilization rates among highest utilizers:
 - → Demonstrated Significant Decrease

Step 2?



BRIEF INTERVENTION



JUNE 2016

Raise the subject

- Explain your role; ask permission to discuss alcohol/drug use screening forms
- Ask about alcohol/drug use patterns: "What does your alcohol/drug use look like in a typical week?"
- Listen carefully; use reflections to demonstrate understanding

Provide feedback

- Share AUDIT/DAST zone(s) and description; review low-risk drinking limits; explore patient's reaction: "Your score puts you in the _____ zone, which means _____. The low-risk limits are _____. What do you think about that?"
- Explore connection to health/social/work issues (patient education materials): "What connection might there be...?"

Step 2: Brief Intervention



JUNE 2016

Enhance motivation

- Ask about pros/cons: "What do you like about your alcohol/drug use? What don't you like?"
- Explore readiness to change: "On a scale of 0-10, how ready are you to make a change in your alcohol/drug use?"
- If readiness is greater than 2: "Why that number and not a _____ (lower one)?"

 If 0-2: "How would your alcohol/drug use have to impact your life for you to think about changing?

Negotiate plan

- Summarize the conversation (zone, pros/cons, readiness); ask question: "What steps would you be willing to take?"
- If not ready to plan, stop the intervention; offer patient education materials; thank patient
- Explore patient's goal for change (offer options if needed); write down steps to achieve goal; assess confidence
- Negotiate follow-up visit; thank patient

Step 2: Brief Intervention (Continued)

Use the 5 R's talking points for brief counseling.



REVIEW screening results
 For each "yes" response: "Can you tell me more about that?"

2. **RECOMMEND** not to use



"As your doctor (nurse/health care provider), my recommendation is not to use any alcohol, marijuana or other drug because they can: 1) Harm your developing brain; 2) Interfere with learning and memory, and 3) Put you in embarrassing or dangerous situations."

3. RIDING/DRIVING risk counseling



"Motor vehicle crashes are the leading cause of death for young people. I give all my patients the Contract for Life. Please take it home and discuss it with your parents/guardians to create a plan for safe rides home."

4. **RESPONSE** elicit self-motivational statements



Non-users: "If someone asked you why you don't drink or use drugs, what would you say?" Users: "What would be some of the benefits of not using?"

5. **REINFORCE** self-efficacy



"I believe you have what it takes to keep alcohol and drugs from getting in the way of achieving your goals."

Give patient Contract for Life. Available at www.crafft.org/contract

Step 2: Brief Intervention in adolescents

Contract for Life

YOUNG PERSON

I recognize that there are many potentially destructive decisions I face every day and commit to you that I will do everything in my power to avoid making decisions that will jeopardize my health, my safety and overall well-being, or your trust in me. I understand the dangers associated with the use of alcohol and drugs and the destructive behaviors often associated with impairment.

By signing below, I pledge my best effort to remain free from alcohol and drugs; I agree that I will never drive under the influence; I agree that I will never ride with an impaired driver; and I agree that I will always wear a seat belt.

Finally, I agree to call you if I am ever in a situation that threatens my safety and to communicate with you regularly about issues of importance to both of us.

Young Person

PARENT (or Caring Adult)

I am committed to you and to your health and safety. By signing below, I pledge to do everything in my power to understand and communicate with you about the many difficult and potentially destructive decisions you face.

Further, I agree to provide for you safe, sober transportation home if you are ever in a situation that threatens your safety and to defer discussions about that situation until a time when we can both have a discussion in a calm and caring manner.

I also pledge to you that I will not drive under the influence of alcohol or drugs, I will always seek safe, sober transportation home, and I will always wear a seat belt.

Step 3?

Brief Treatment



Manualized course of (advanced) motivational enhancement



Cognitive behavioral approach

- → help patients address unhealthy cognitions & behaviors driving substance use
 - → helping them to adopt change strategies

Step 4?

REFERRAL TO TREATMENT

Step 4

MAT is available for most common SUDs

- OUD: methadone, **buprenorphine** or naltrexone
- Alcohol Use Disorder- naltrexone, gabapentin, disulfiram, acamprosate
- Cannabis Use Disorder- gabapentin
- Stimulants: Case management/Motivational interviewing (perhaps disulfiram for cocaine use)

Note- For most SUDs: motivational interviewing and 12-step facilitation (i.e. AA, NA)= crux of tx

Step 4

MAT is available for most common SUDs

MAT is essential for treatment of OUD

- Effective OUD treatments consist of either opioid agonists:
 - Methadone (full agonist) requires either Rx from pain service or enrollment in OTP
 - Buprenorphine Suboxone (partial agonist) can be offered in variety of clinical settings
 - → safer form of treatment as respiratory depression plateaus at higher doses
- Or antagonist: Naltrexone
 - Opioid blockade offering equal efficacy to buprenorphine but often contraindicated in patients requiring opioid analgesia

Still significant benefit from motivational interviewing and 12step facilitation once on MAT

Main Takeaways

Meeting patients
where they are at in
their substance abuse
to find their unmet
needs for treatment
and change

Review	Demonstrated high prevalence of SUDs/ significant impact on our patient population.
Summarize	Screen as time allows using appropriate tools, intervene using motivational interviewing, leverage brief treatment and refer to MAT when indicated.
Discuss and address	Acknowledge time constraints and need for iterative approach.
Discuss	MAT is available and effective for most forms of SUDs.

References

- oSmith, P.C., Schmidt, S.M., Allensworth-Davies, D., & Saitz, R. (2010) A single-question screening test for drug use in primary care. Archives of Internal Medicine, 170(13):1155-1160.
- oBien, T., Miller, W. R., & Tonigan, J. S. (1993). Brief interventions for alcohol problems: A review. Addiction, 88, 315–336.
- oKahan, M., Wilson, L., & Becker, L. (1995). Effectiveness of physician-based interventions with problem drinkers: A review. Canadian Medical Association Journal, 152, 851–859
- oWilk, A.I., Jensen, N.M., and Havighurst, T.C. (1997). Meta-analysis of randomized control trails addressing brief interventions in heavy alcohol drinkers. Journal of General Medicine, 12 (5), 274-283
- OMadras, B. K., Compton, W. M., Avula, D., Stegbauer, T., Stein, J. B., & Clark, H. W. (2008). Sc reening, brief interventions, referral to treatment (SBIR T) for illicit drug and alcohol use at multiple healthcare sites: Comparison at intake and 6 months later. Drug Alcohol Dependence, doi:10.1016/j.drugalcdep.2008.08.003
- OSaitz, R. (2010). Candidate Performance Measures for Screening for, Assessing, and Treating Unhealthy Substance Use in Hospitals: Advocacy or Evidence-Based Practice? Commentary from the Ann Intern Med. 2010:153:40-43
- OBernstein, J., Bernstein, E., Tassiopoulos, K., Heeren, T., Levenson, S., & Hingson, R. (2005). Brief motivational intervention at a clinic visit reduces cocaine and heroin use. Drug Alcohol Dependence, 77(1), 49–59
- oSAMHSA, White Paper on Screening Brief Intervention and Referral to Treatment (SBIRT) in Behavioral Healthcare. Substance Abuse and Mental Health Services Administration (2011). Accessed athttps://www.samhsa.gov/sites/default/files/sbirtwhitepaper_0.pdf
- oMitchell SG, Kelly SM, Gryczynski J, Myers CP, O'Grady KE, Kirk AS, & Schwartz RP. (2014). The CRAFFT cut-points and DSM-5 criteria for alcohol and other drugs: a reevaluation and reexamination. Substance Abuse, 35(4), 376–80.

References (continued)

Woodruff, Susan I., et al. "Randomized clinical trial of the effects of screening and brief intervention for illicit drug use: the life shift/shift gears study." Addiction science & clinical practice 9.1 (2014): 8.

Bradley KA, DeBenedetti AF, Volk RJ, et al. AUDIT-C as a brief screen for alcohol misuse in primary care. Alcohol Clin Exp Res 2007; 31:1208.

Babor TF, Higgins-Biddle JC, Saunders JB, Monteiro MG. AUDIT: The Alcohol Use Disorders Identification Test: Guidelines for Use in Primary Health Care. 2001.

Maisto SA, Saitz R. Alcohol use disorders: screening and diagnosis. Am J Addict 2003; 12 Suppl 1:S12.

Johnson JA, Lee A, Vinson D, Seale JP. Use of AUDIT-based measures to identify unhealthy alcohol use and alcohol dependence in primary care: a validation study. Alcohol Clin Exp Res 2013; 37 Suppl 1:E253.

Babor TF, Grant M, Acuda W, et al. A randomized clinical trial of brief interventions in primary care: summary of a WHO project. Addiction 1994; 89:657.

Bush, Kristen, et al. "The AUDIT alcohol consumption questions (AUDIT-C): an effective brief screening test for problem drinking." Archives of internal medicine 158.16 (1998): 1789-1795.

Bradley, Katharine A., et al. "Two brief alcohol-screening tests From the Alcohol Use Disorders Identification Test (AUDIT): validation in a female Veterans Affairs patient population." Archives of internal medicine 163.7 (2003): 821-829.

Smith PC, Schmidt SM, Allensworth-Davies D, Saitz R. A single-question screening test for drug use in primary care. Arch Intern Med 2010; 170:1155.

Skinner et al, 1982 HA. The drug abuse screening test. AddictBehav 1982; 7:363

Validity of brief alcohol screening tests among adolescents: a comparison of the AUDIT, POSIT, CAGE, and CRAFFT." Alcoholism: Clinical and experimental research 27.1 (2003): 67-73.

Mitchell SG, Kelly SM, Gryczynski J, Myers CP, O'Grady KE, Kirk AS, & Schwartz RP. (2014). The CRAFFT cut-points and DSM-5 criteria for alcohol and other drugs: a reevaluation and reexamination. Substance Abuse, 35(4), 376–80.

Knight, John R., et al. "Validity of brief alcohol screening tests among adolescents: a comparison of the AUDIT, POSIT, CAGE, and CRAFFT." Alcoholism: Clinical and experimental research 27.1 (2003): 67-73.

Mitchell SG, Kelly SM, Gryczynski J, Myers CP, O'Grady KE, Kirk AS, & Schwartz RP. (2014). The CRAFFT cut-points and DSM-5 criteria for alcohol and other drugs: a reevaluation and reexamination. Substance Abuse, 35(4), 376–80.