# <u>Screening</u>, <u>Brief</u> Intervention, and <u>Referral to Treatment</u>

An Evidence-Based Approach

### SCREENING

The following information has been adapted from the SAMHSA Core Curriculum: *Screening Patients for Substance Use in Your Practice* Setting, and slides by the National Screening, Brief Intervention & Referral to Treatment (SBIRT) Addiction Technology Transfer Center (ATTC) Network.

This project was a collaboration with the National ATTC, the Institute for Research, Education & Training in Addictions (IRETA) and the University of Pittsburgh School of Nursing.

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### What is SBIRT?

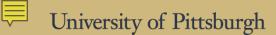
SBIRT is a **comprehensive, integrated, public health** approach to the delivery of early intervention and treatment services

- For persons with substance use disorders and
- Those who are at risk of developing these disorders

Primary care, mental health, inpatient hospital, dental and community settings provide opportunities for intervention with at-risk substance users **before more severe consequences occur** 

# Why Screen Universally?

- Drinking and substance use are common but often go undetected
  - Research has shown nearly 90% of adults in need of substance use treatment go untreated
- Screening provides opportunities to intervene
  - Earlier detection of health problems related to at-risk alcohol/substance use
  - Identify alcohol/substance use patterns that can increase risk of injury or illness
  - Educate about at-risk alcohol and substance use



### Prevalence of Substance Use

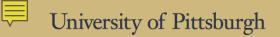
Substance	Female (12 years and older)	Male (12 years and older)			
Tobacco	20.2%	31.1%			
Alcohol (current drinkers)	47.5%	57.1%			
Illicit Drugs	7.3%	11.5%			
(SAMHSA- NSDUH					

Series H-48, 2014)

### Detect Risk Factors Early

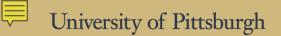
Screening can lead to more effective intervention

- The clinician is often the first point of contact
- Patients often seen by clinician due to related health problems
- Early identification and intervention lead to better outcomes



### At-Risk Alcohol Use

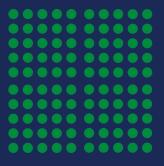
- Males assigned at birth: No more than 4 drinks on any day *and* no more than 14 drinks per week
- Females assigned at birth (and anyone age 65+): No more than 3 drinks on any day *and* no more than 7 drinks per week



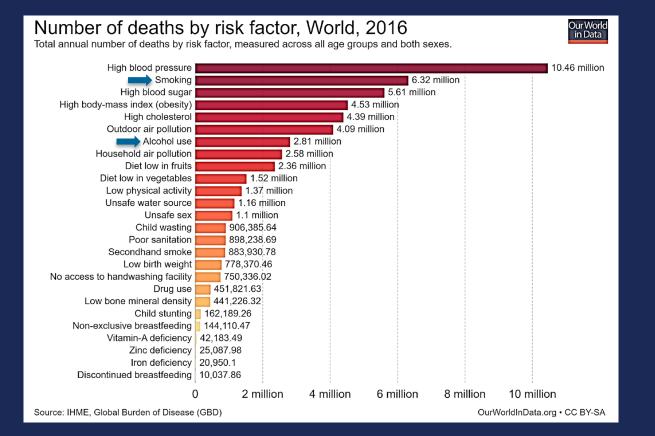
### What is a Standard Drink?



U.S. Population

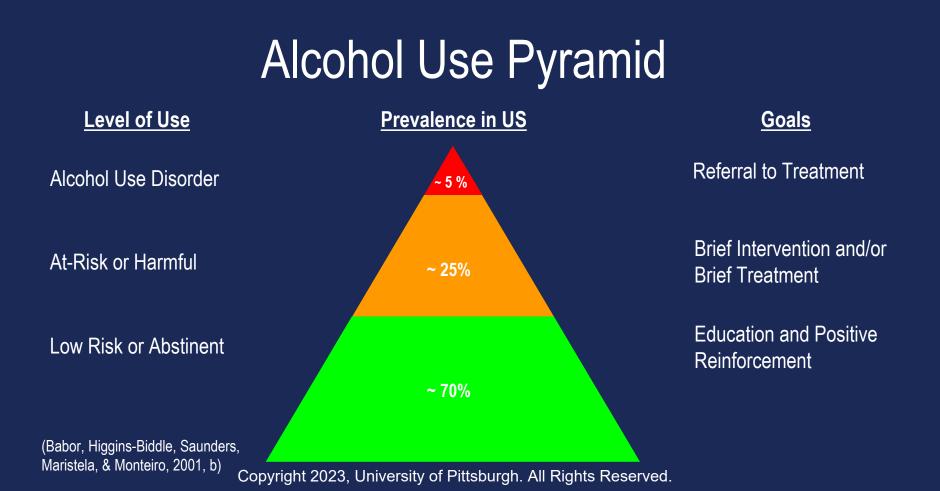


Alcohol Use Disorder At-Risk or Harmful Use .......... 



#### (Global Burden of Disease Collaborative Network, 2017)

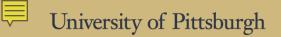
University of Pittsburgh





### Don't Ask-Don't Tell?

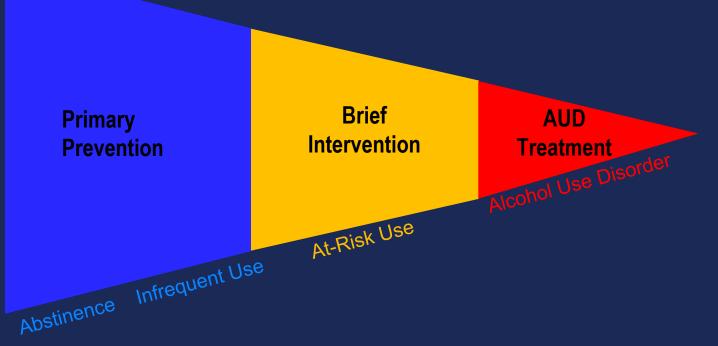
- Public health experts recommend alcohol screening and brief intervention (ASBI) should happen more often
  - ASBI can reduce drinking by **25%** in people who drink too much (CDC, 2014)
- Alcohol use and drug issues are often unidentified
  - 1 out of 6 adults discussed alcohol use with a health professional (McKnight-Eily et al., 2015)
  - Only 29% of trauma surgeons screened patients for alcohol problems (Danielson et al., 1999)



### What Can We Do?

- Identify use, at-risk use, and harmful use; with a validated screening tool
- Connect use/at-risk use to health related issues
- Encourage cutting back
- Conduct a brief intervention
- Refer for formal assessment/treatment, as necessary

### SBIRT as a Response Option



### **SBIRT Effectiveness**

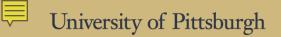
Harris County (Texas) Hospital District Study:

- Patients reporting any days of heavy drinking dropped from 70% at intake to 37% at 6-month followup
- Patients reporting any days of drug use dropped from 82% at intake to 33% at follow-up

(InSight Project Research Group and The InSight Project Research Group, 2009)

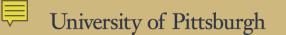
### SBIRT Cost-Effectiveness

- Alcohol SBIRT generates costs savings and improves health in both ED and outpatient settings
- EDs provide better effectiveness at a lower cost and greater social cost reductions than outpatient



### **Patient Outcome Studies**

- The SAMHSA Cross-site evaluation included a sample of over 17000 patients (Aldridge, Linford, & Bray, 2017)
- Patients receiving SBIRT reduced alcohol use by 36%, heavy alcohol use by 43%, and drug use by 75%
- Intensity of intervention was associated with reduced use
- Patient Testimonies- <u>http://www.youtube.com/watch?v=jWY6qWqHtlg</u>



# What is screening?

- A preliminary assessment
  - Indicates probability that a specific condition is present
- Opportunity for education, early intervention
- Alerts provider to risks for interactions with medications or other aspects of treatment
- Offers opportunity to engage patient further
- Reduce high-risk activities for people without an AUD

(Winters et al. 1994)

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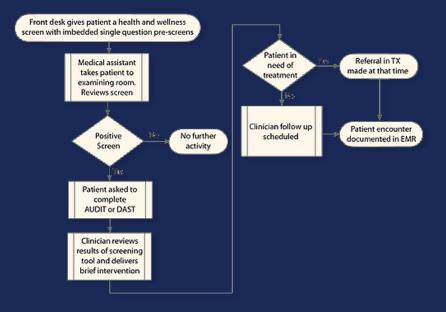
### Screening and Intervening: Barriers

- Lack of awareness and knowledge about tools for screening
- Sense of not having enough time
- Discomfort with initiating discussion about substance use/at-risk use

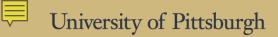
#### University of Pittsburgh

# Screening in a Practice Setting

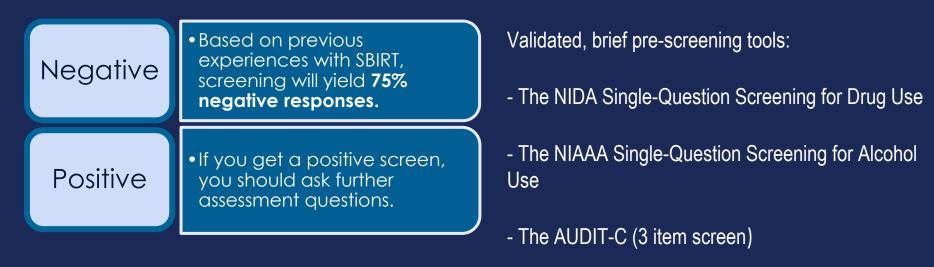
• Most practices use a teaming approach



(SAMHSA, 2013)



# **Pre-screening Tools**



(SAMHSA, 2013)

### **Alcohol Pre-Screen**

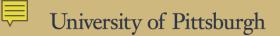
NIAAA Single-Question Screening for Alcohol Use

"How many times in the past year have you had X or more drinks in a day?"

#### \*For men X=5,women X=4

- Identifies at-risk alcohol use
- Positive screen= 1 or more times
- Follow positive screens with more detailed screening/ possibly a brief intervention

(NIAAA, 2007)



### **Drug Pre-Screen** NIDA Single-Question Screening Test for Drug Use

"How many times in the past year have you used an illegal drug or used a prescription medication for non-medical reasons?"

- Identifies substance use risk
- Positive screen= 1 or more
- Follow positive screens with more detailed screening/ possibly a brief intervention

# Alcohol Pre-Screen



- a. Never
- b. Monthly or less
- c. 2-4 times a month
- d. 2-3 times a week
- e. 4 or more times a week
- 2. How many standard drinks containing alcohol do you have on a typical day?
  - a. 1 or 2
  - b. 3 or 4
  - 🗌 c. 5 or 6
  - d. 7 to 9
  - e. 10 or more
- 3. How often do you have six or more drinks on one occasion?
  - a. Never
  - b. Less than monthly
  - c. Monthly
  - d. Weekly
  - e. Daily or almost daily

#### A 3-question pre-screen

• Next steps determined by score

(Babor, Higgins-Biddle, Saunders, Maristela, & Monteiro, 2001, a)

### Interpretation of AUDIT-C

- The AUDIT-C is scored on a scale of 0-12
  - A score of 0 reflects no alcohol use
  - In men, a score of 4+ is considered positive
  - In women and anyone 65+, a score of 3+ is considered positive
- If AUDIT-C score is positive, it should be followed up with the full AUDIT

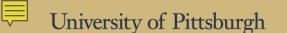
Screen	Target Population	# of Items	Assessment	Setting (most common)	Туре	
ASSIST (WHO)	-Adults -Validated in many cultures/languages	8	Hazardous, harmful, or dependent drug use (including injection drug use)	Primary Care	Interview	
AUDIT (WHO)	-Adults and adolescents -Validated in many cultures and languages	10	Identifies alcohol problem use and dependence. Can be used as a pre- screen to identify patients in need of full screen/brief intervention	-Different settings -AUDIT C- Primary Care (3 questions)	Self-admin, Interview, or computerized	
DAST-10	Adults	10	To identify drug-use problems in past year	Different settings	Self-admin or Interview	
CRAFFT	Adolescents	6	To identify alcohol and drug abuse, risky behavior, & consequences of use	Different settings	Self-admin	
CAGE-AID	Adults and youth >16	4	-Signs of dependence, not risky use	Primary Care	Self-admin or Interview	
TWEAK	Pregnant women	5	-Risky drinking during pregnancy. Based on CAGE -Asks about number of drinks one can tolerate, alcohol dependence, & related problems	Primary Care, Women's organizations, etc.	Self-admin, Interview, or computerized	

(Addiction Technology Transfer Center (ATTC) Network, 2013)



### AUDIT

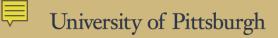
### <u>Alcohol Use Disorders</u> Identification Test



### About the AUDIT

- Acronym- <u>Alcohol Use Disorders Identification Test</u>
- Developed by the World Health Organization (WHO)
- Includes 10 brief questions
- Designed specifically for use in primary care
- Proven to demonstrate levels of drinking behavior
  - Evaluated over a period of two decades
  - Accurate across age, gender and different cultures
  - Cross-national standardization

(NIAAA, 2013)



# Introducing the AUDIT

"Now I am going to ask you some questions about your use of alcoholic beverages during the past year. Because alcohol use can affect many areas of health (and may interfere with certain medications and treatment), it is important for us to know how much you usually drink and whether you have experienced any problems with your drinking. Please try to be as honest and as accurate as you can be."

### Full AUDIT

#### <u>Domains</u>

#### **Domains and Item Content of the AUDIT** Domains Question Item Content Number Hazardous Frequency of drinking 1 Alcohol Typical quantity 2 Frequency of heavy drinking Use 3 Impaired control over drinking Dependence 4 Increased salience of drinking Symptoms 5 Morning drinking 6 Harmful 7 Guilt after drinking Alcohol 8 Blackouts Use Alcohol-related injuries 9 Others concerned about 10 drinking

#### (NIAAA, 2013)

#### Questionnaire

AUDIT	Client
1. How often do you have a drink containing alcohol (Score) Never (0) Monthly or tess (1) Two to four times a month (2) Two to fure times a week (3) Four or more times a week (4)	<ol> <li>How often during the last year have you needed a first drink in the morning to get young the a Never (0) lession?</li> <li>Less than monthly (1) Monthly (2)</li> <li>Daily or almost daily (4)</li> </ol>
2. How many drinks containing alcohol do you have on a typical day when you are drinking? 1 or 2 (0) 3 or 4 (1) 5 or 6 (2) 7 to 9 (3) 10 or more (4)	7. How often during the last year have you had a feeling of guilt or remorse after drinking? Nover (0) Less than manshih (1) Weekly (3) Daily or almott daily (4)
3. How often do you have six or more drinks on one occasion? Never (0) Less than monthly (1) Monthly (2) Weekly (3) Daily or almost daily (4)	8. How often Arming the lart year have you been unable to remarker what happened the night before because you had been drinking? Never (0) Les than monthly (1) hwweld? (2) Daily or almost daily (4)
<ol> <li>How often during the last year have you found that you were not able to stop drinking once you had started? Never (0) Less than monthly (1) Monthly (2) Weekly (3) Daily or almost daily (4)</li> </ol>	9. Have you or someone data been injured as a result of your dynking? No (i) Yes, but not in the last year (i) Yes, during the last year (i)
5. How often during the last year have you failed to do what was normally expected from you because of drinking? Never (0) Less than monthly (1) Monthly (2) Weekly (3) Daily or almost daily (4)	<ol> <li>Has a relative or fixed, or a doctor or other health worker been concerned about your drinking, or suggested you cut down? No (0) Yes, but not in the last year (2) Yes, during the last year (4)</li> </ol>

### Interpretation of AUDIT

Score	Degree of Problems	
0-7	No Problems at this time	
8-15	Hazardous & Harmful Alcohol Use	
16-19	High Level of Problematic Use, Possible Use Disorder	
20-40	Possible/Likely Alcohol Use Disorder	

(Babor, Higgins-Biddle, Saunders, Maristela, & Monteiro, 2001, a)

# DAST

### <u>Drug Abuse Screening Test</u>

### About the DAST

- Brief self-report questionnaire- 10 items
- Measures the degree of consequences related to drug use
  - Shortened version of DAST 28, containing 10 items, completed as self-report or via interview.
     DAST(10) consists of screening questions for at-risk drug use that parallel the MAST (an alcohol screening instrument)
  - Developed by Addiction Research Foundation, now the Center for Addiction and Mental Health
  - Yields a quantitative index of problems related to at-risk drug use

(Washington State Department of Social and Health Services, 2014)

### **Prescription Drug Misuse**

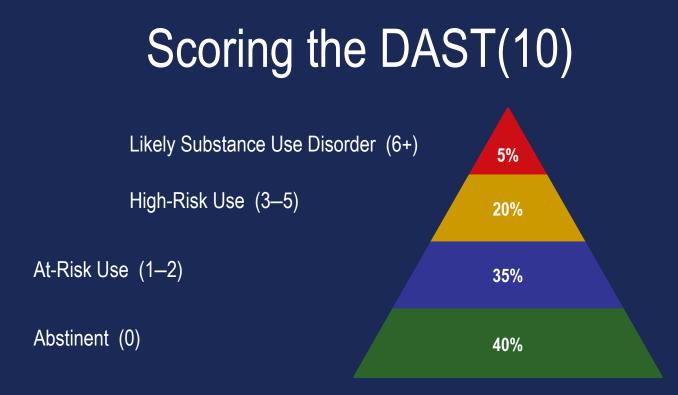
Although many people take medications that are not prescribed to them, we are primarily concerned with—

- Opioids (oxycodone, hydrocodone, fentanyl, methadone)
- Benzodiazepines (clonazepam, alprazolam, diazepam)
- Stimulants (amphetamine, dextroamphetamine, methylphenidate
- Sleep aids (zolpidem, zaleplon, eszopicione)
- Other assorted (clonidine, carisoprodol)

### Drug Abuse Screening Test

1	Have you used drugs other than those required for medical reasons?		No
2	2 Do you abuse more than one drug at a time?		No
3	3 Are you unable to stop using drugs when you want to?		No
4	Have you ever had blackouts or flashbacks as a result of drug use?	Yes	No
5	Do you ever feel bad or guilty about your drug use?	Yes	No
6	6 Does your spouse (or parents) ever complain about your involvement with drugs?		No
7	7 Have you neglected your family because of your use of drugs?		No
8	Have you engaged in illegal activities in order to obtain drugs?	Yes	No
9	Have you ever experienced withdrawal symptoms (felt sick) when you stopped taking drugs?	Yes	No
10	Have you had medical problems as a result of your drug use (eg, memory loss, hepatitis, convulsions, bleeding)?	Yes	No

(Washington State Department of Social and Health Services, 2014)

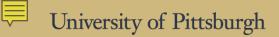


(SAMHSA, 2013)

## Interpretation of the DAST

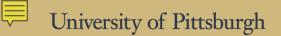
Guidelines for Interpretation of DAST-10 Interpretation (Each "Yes" response = 1)		
Score	Degree of Problems Related to Drug Abuse	Suggested Action
0	No problems reported	Encouragement and education
1-2	Low level	Risky behavior – feedback and advice
3-5	Moderate level	Harmful behavior – feedback and counseling; possible referral for specialized assessment
6-8	Substantial level	Intensive assessment and referral

(Washington State Department of Social and Health Services, 2014)



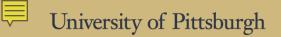
## Screening: Summary

- Screening is the first step of the SBIRT process and determines the severity and risk level of the patient's substance use.
- The result of a screen allows the provider to determine if a brief intervention or referral to treatment is a necessary next step for the patient.



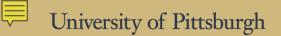
# Key Points for Screening

- Screen everyone.
- Screen **both** alcohol and drug use including prescription drug abuse and tobacco.
- Use a validated tool.
- Prescreening is usually part of another health and wellness survey.



# Key Points for Screening

- Explore **each** substance; many patients use more than one.
- **Follow up** positives or "red flags" by assessing details and consequences of use.
- Use your MI skills and show **nonjudgmental**, **empathic** verbal and nonverbal behaviors during screening.



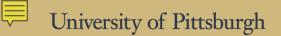
### **Patient Interview**

- The patient is not intoxicated or in need of emergency care at the time;
- The purpose of the screening is clearly stated in terms of its relevance to the patient's health status;
- The interviewer is non-judgmental and non-threatening;
- The information patients need to understand the questions and respond accurately is provided; and
- Assurance is given that the patient's responses will remain confidential.

(Babor, Higgins-Biddle, Saunders, Maristela & Monteiro, 2001a) Copyright 2023, University of Pittsburgh. All Rights Reserved.

## Next Steps- Brief Intervention

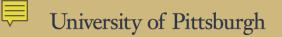
- For those not ready to change
  - May increase their motivation
- For those ready to change
  - Provides advice on appropriate goals and strategies
  - Provides support



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