

Screening, Brief Intervention, and Referral to Treatment

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.

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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

- **Men:** No more than 4 drinks on any day *and* no more than 14 drinks per week
- **Women (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?

12 oz of beer



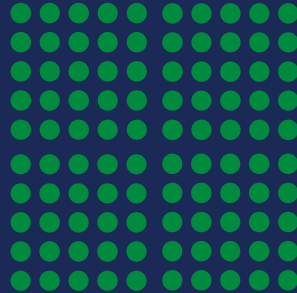
5 oz of wine



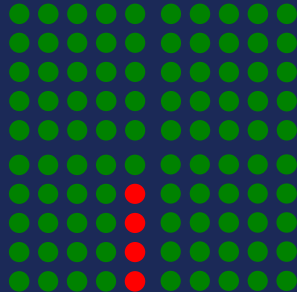
1.5 oz of liquor



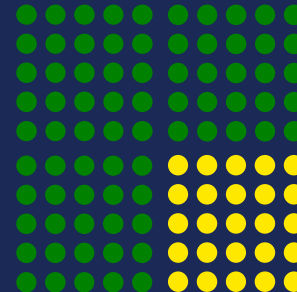
U.S. Population



Alcohol Use Disorder

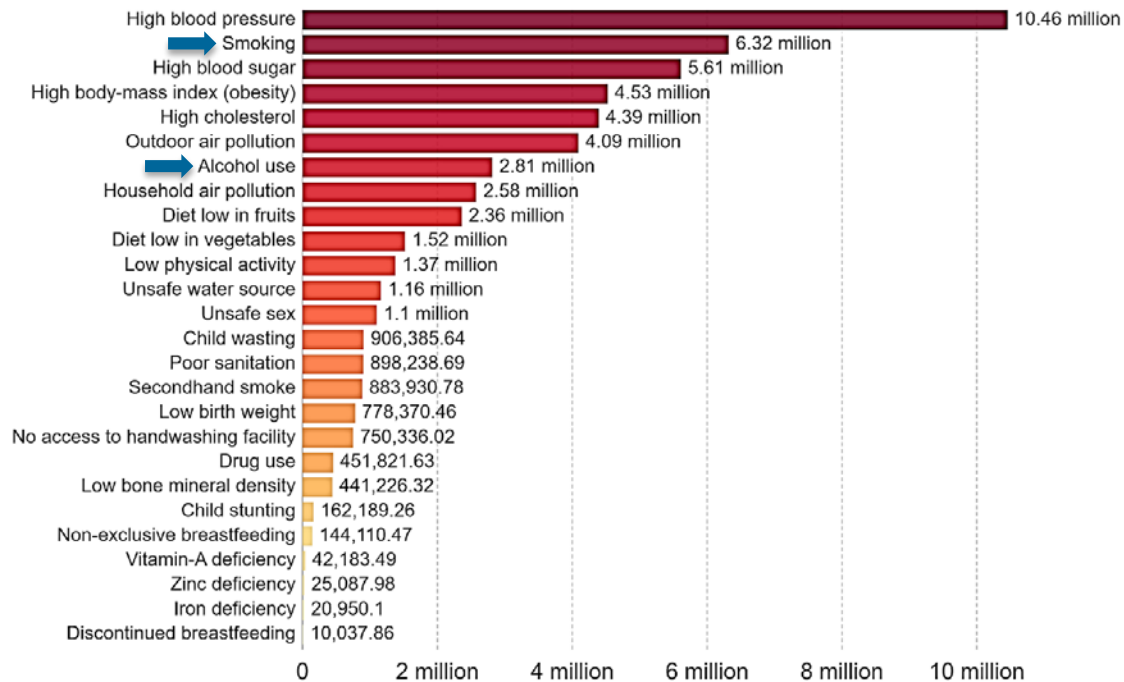


At-Risk or Harmful Use



Number of deaths by risk factor, World, 2016

Total annual number of deaths by risk factor, measured across all age groups and both sexes.

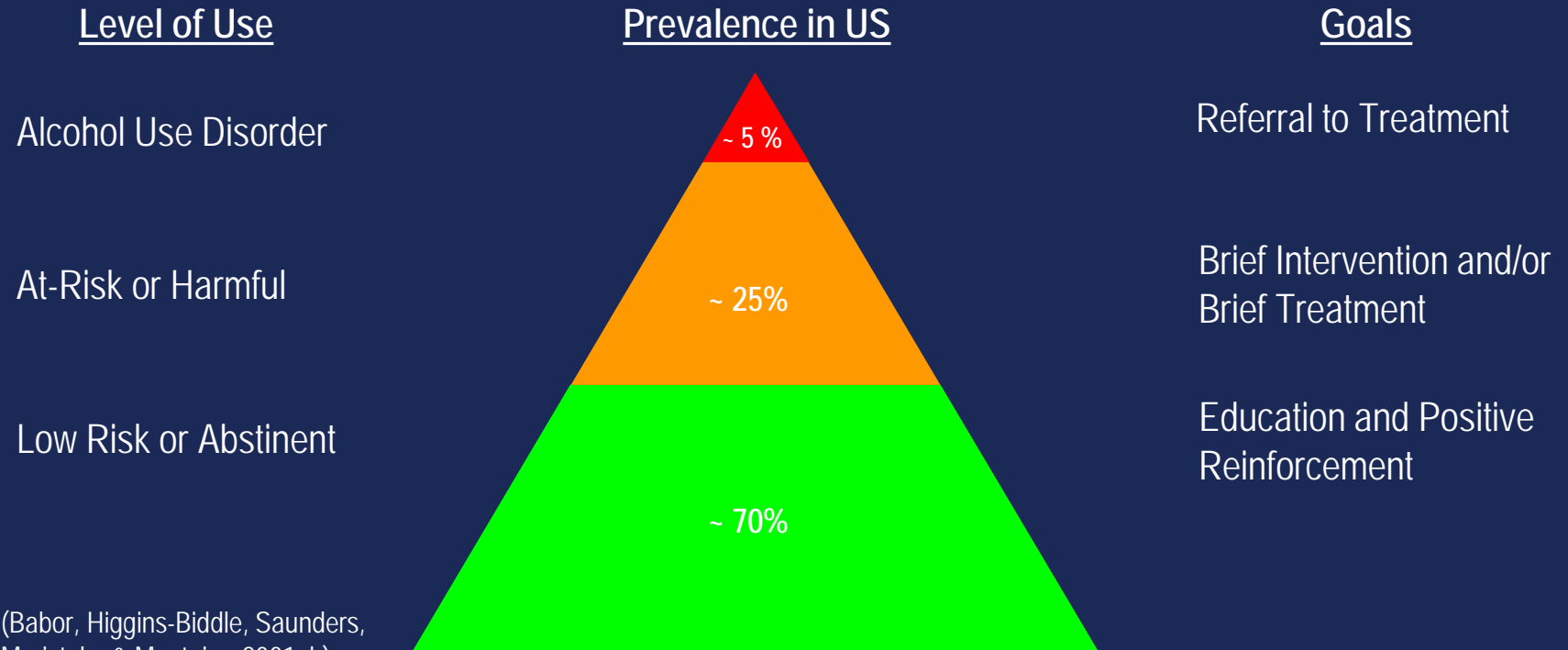


Source: IHME, Global Burden of Disease (GBD)

OurWorldInData.org • CC BY-SA

(Global Burden of Disease Collaborative Network, 2017)

Alcohol Use Pyramid



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

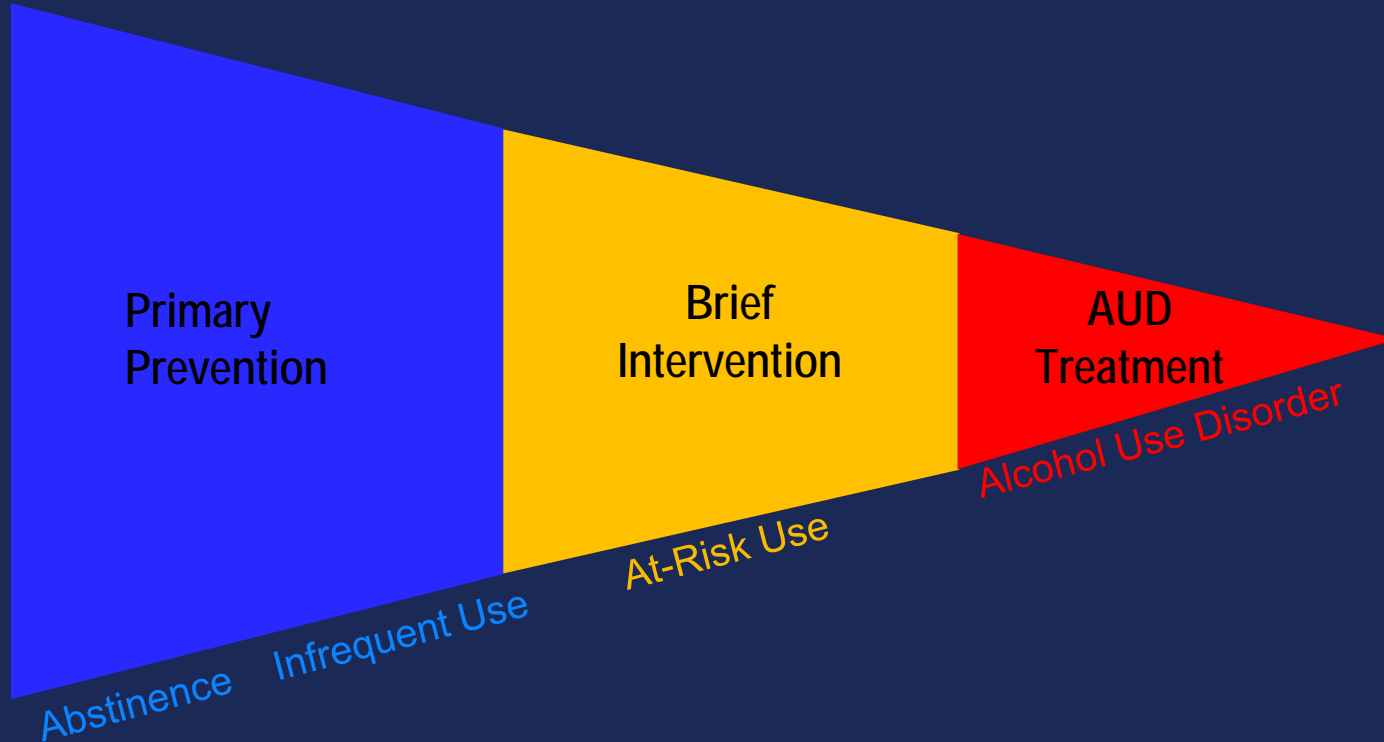
Don't Ask-Don't Tell?

- 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 follow-up
- Patients reporting any days of drug use dropped from 82% at intake to 33% at follow-up

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- <http://www.youtube.com/watch?v=jWY6qWqHtlg>

What is screening?

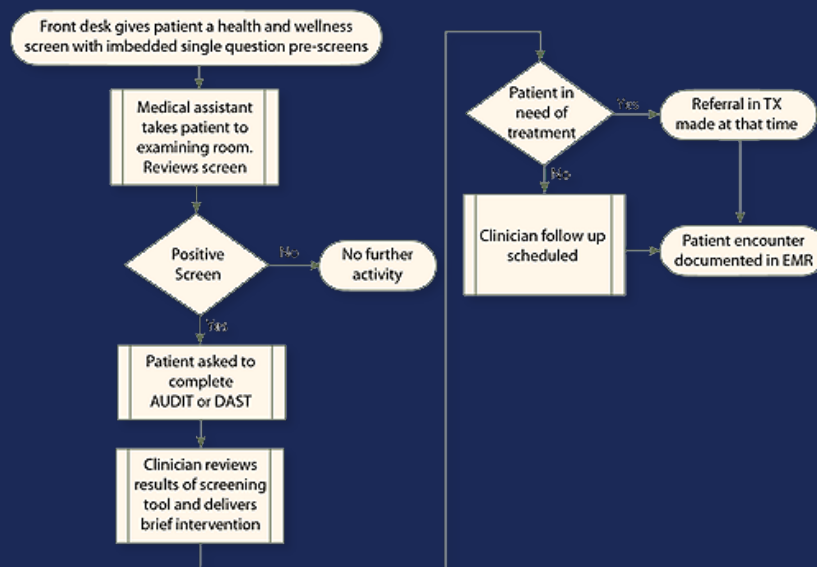
- A preliminary assessment
 - Indicates probability that a specific condition is present
- Opportunity for education, early intervention
- Alerts provider to risks for interactions with medications or other aspects of treatment
- Offers opportunity to engage patient further
- Reduce high-risk activities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

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

Screening in a Practice Setting

- Most practices use a teaming approach



Pre-screening Tools

Negative

- Based on previous experiences with SBIRT, screening will yield **75% negative responses**.

Positive

- If you get a positive screen, you should ask further assessment questions.

Validated, brief pre-screening tools:

- The NIDA Single-Question Screening for Drug Use
- The NIAAA Single-Question Screening for Alcohol Use
- The AUDIT-C (3 item screen)

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

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

AUDIT-C

1. How often do you have a drink containing alcohol?

- 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

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)	Type
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

Alcohol Use Disorders Identification Test

About the AUDIT

- Acronym- Alcohol Use Disorders Identification Test
- 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

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

Domains

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

(NIAAA, 2013)

Questionnaire

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

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 Dependence
20-40	Possible/Likely Alcohol Dependence

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

DAST

Drug Abuse Screening Test

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 drug misuse

Prescription Drug Misuse

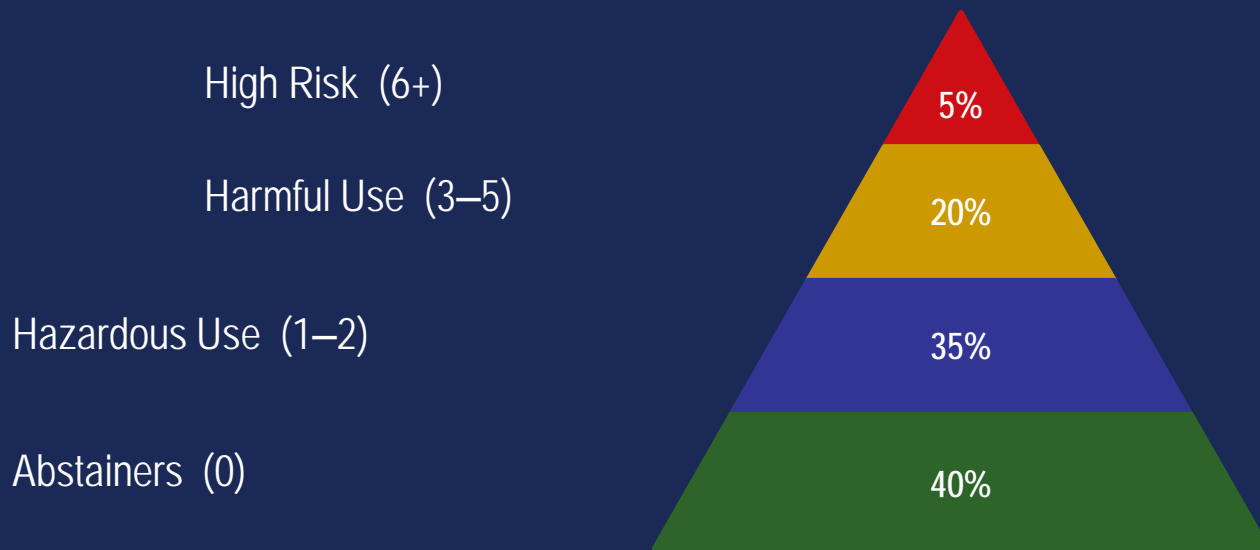
Although many people take medications that are not prescribed to them, we are primarily concerned with—

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

Drug Abuse Screening Test

1	Have you used drugs other than those required for medical reasons?	Yes	No
2	Do you abuse more than one drug at a time?	Yes	No
3	Are you unable to stop using drugs when you want to?	Yes	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	Does your spouse (or parents) ever complain about your involvement with drugs?	Yes	No
7	Have you neglected your family because of your use of drugs?	Yes	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

Scoring the DAST(10)



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.

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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