Expect Recovery: Applying the Science of Addiction Recovery (SOAR)

This seminar highlights the combined genetic and environmental factors that produce alcohol and other drug use's impact on the brain, body, mind and behavior. Over 50 years of clinical neuroscience research shows that recovery or resilience is due to our brain's ability to adapt and heal. An essential element for achieving progressive wellness is sustained engagements in social support, also known as the social model of recovery.

Objectives. Upon completion of this session participants will be able to:

- A. Explain: a) why people sometimes don't "just quit and stay quit," and b) the reasons for the message of hope that expects recovery;
- B. Describe how alcohol and other drugs and the environments in which use occurs changes priorities and behaviors, and why recovery capital and connections to supports are typically needed to initiate and sustain long-term recovery; and
- C. Identify the many peer and professional resources that are available in your community.
- 1. Download the handout and PowerPoint slides at brauchtworks.com
- 2. Sign in to receive a certificate at https://goo.gl/forms/KNCIY10F4N93QIZK2 and see #4
- 3. Participate in audience polls by opening your web browser to www.responseware.com
 a. Enter as a "Guest" with Session ID ExpectRecovery
- 4. **Before the end of this session**, provide feedback on this session required for a certificate at https://goo.gl/forms/OjtFDqi02WVrKNUE2

Three key takeaways							
#1: Like other preventab	ole, treatable and chronic he	alth conditions, addiction and recovery					
affect the	affect the, mind and behavior.						
•	ole, treatable and chronic he astained engagement and co	alth conditions,onnections.					
		ong-term recovery from alcohol and other and Expect Recovery!					
Notes, Doodles and My To	o Three Takeaways:	-					





We will improve the lives of millions of Americans, their families and communities if we treat addiction to alcohol and other drugs as a public health crisis. To overcome this crisis, we must accord dignity to people with addiction and recognize that there is no one path to recovery. Individuals who are striving to be responsible citizens can recover on their own or with the help of others. Effective aid can be rendered by mutual support groups or health care professionals. Recovery can begin in a doctor's office, treatment center, church, prison, peer support meeting or in one's own home. The journey can be guided by religious faith, spiritual experience or secular teachings. Recovery happens every day across our country and there are effective solutions for people still struggling. Whatever the pathway, the journey will be far easier to travel if people seeking recovery are afforded respect for their basic rights:

- 1. We have the right to be viewed as capable of changing, growing and becoming positively connected to our community, no matter what we did in the past because of our addiction.
- 2. We have the right—as do our families and friends—to know about the many pathways to recovery, the nature of addiction and the barriers to long-term recovery, all conveyed in ways that we can understand.
- 3. We have the right, whether seeking recovery in the community, a physician's office, treatment center or while incarcerated, to set our own recovery goals, working with a personalized recovery plan that we have designed based on accurate and understandable information about our health status, including a comprehensive, holistic assessment.
- 4. We have the right to select services that build on our strengths, armed with full information about the experience, and credentials of the people providing services and the effectiveness of the services and programs from which we are seeking help.
- 5. We have the right to be served by organizations or health care and social service providers that view recovery positively, meet the highest public health and safety standards, provide rapid access to services, treat us respectfully, understand that our motivation is related to successfully accessing our strengths and will work with us and our families to find a pathway to recovery.
- 6. We have the right to be considered as more than a statistic, stereotype, risk score, diagnosis, label or pathology unit—free from the social stigma that characterizes us as weak or morally flawed. If we relapse and begin treatment again, we should be treated with dignity and respect that welcomes our continued efforts to achieve long-term recovery.
- RECKITT

BENCKISER Funding provided through an unrestricted educational grant from Reckitt Benckiser Pharmaceuticals Inc.

- 7. We have the right to a health care and social services system that recognizes the strengths and needs of people with addiction and coordinates its efforts to provide recovery-based care that honors and respects our cultural beliefs. This support may include introduction to religious, spiritual and secular communities of recovery, and the involvement of our families, kinship networks and indigenous healers as part of our treatment experience.
- 8. We have the right to be represented by **informed policymakers** who remove barriers to educational, housing and employment opportunities once we are no longer misusing alcohol or other drugs and are on the road to recovery.
- 9. We have the right to respectful, nondiscriminatory care from doctors and other health care providers and to receive services on the same basis as people do for any other chronic illness, with the same provisions, copayments, lifetime benefits and catastrophic coverage in insurance, self-funded/self-insured health plans, Medicare and HMO plans. The criteria of "proper" care should be exclusively between our health care providers and ourselves; it should reflect the severity, complexity and duration of our illness and provide a reasonable opportunity for recovery maintenance.
- 10. We have the right to treatment and recovery support in the criminal justice system and to regain our place and rights in society once we have served our sentences.
- 11. We have the right to speak out publicly about our recovery to let others know that long-term recovery from addiction is a reality.

ENDORSED BY: American Association for the Treatment of Opioid Dependence, Inc. • American Society of Addiction Medicine • Community Anti-Drug Coalitions of America • Ensuring Solutions to Alcohol Problems • Entertainment Industries Council • Johnson Institute • Join Together • Legal Action Center • NAADAC, the Association for Addiction Professionals \bullet National African American Drug Policy Coalition \bullet National Alliance of Advocates for Buprenorphine Treatment • National Alliance of Methadone Advocates • National Association on Alcohol, Drugs and Disability • National Association of Drug Court Professionals • National Association for Children of Alcoholics • National Association of Addiction Treatment Providers • National Council on Alcoholism and Drug Dependence • National Council for Community Behavioral Healthcare • Rebecca Project for Human Rights • State Association of Addiction Services • TASC, Inc. • Therapeutic Communities of America • White Bison

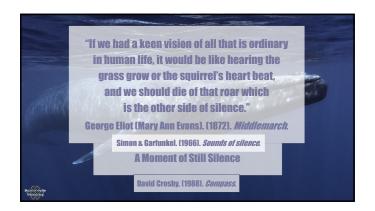
Alcohol & Drug Abuse Certification Board of Georgia Georgia Addiction Counselors Association Georgia Association of Recovery Residences Georgia Council on Substance Abuse

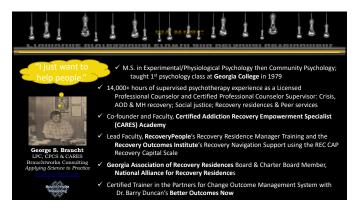
Asset-based Community Development Resources Exploration Sheet George S. Braucht, LPC & CPCS; <u>brauchtworks.com</u>

Date:										
Topic: Where	to go	to hav	e "rec	overy-	friendly	y fun"				
Criteria for "recovery-friendly fun:"					Potential locations (exact addresses):					
A.						1.				
B.						2.				
C.						3.				
D.						4.				
E.						5.				
F.		6.								
G.		7.								
<u>Criteria Ratings</u> : $0 = \text{does not meet}$; $3 = \text{somewhat meets}$; $5 = \text{fully meets}$										
Locations: 1.							Contact person	n:		
Criteria Ratings:	A =	B =	C =	D =	$\mathbf{E} =$	F =	G =	Date visited:		
	A =	B =	C =	D=	$\mathbf{E} =$	F=	G =	Date visited:		
2.							Contact person	n:		
Criteria Ratings:	A =	B =	C =	D =	$\mathbf{E} =$	F=	G =	Date visited:		
	A =	B =	C =	D=	$\mathbf{E} =$	F=	G =	Date visited:		
3.				Contact person:						
Criteria Ratings:	A =	B =	C =	D =	$\mathbf{E} =$	F=	G =	Date visited:		
	A =	B =	C =	D =	$\mathbf{E} =$	F=	G =	Date visited:		
4.				Contact person:						
Criteria Ratings:	A =	B =	C =	D =	$\mathbf{E} =$	F=	G =	Date visited:		
	A =	B =	C =	D =	$\mathbf{E} =$	F=	G =	Date visited:		
5.			Contact person:							
Criteria Ratings:	A =	B =	C =	D =	$\mathbf{E} =$	F=	G =	Date visited:		
	A =	B =	C =	D=	$\mathbf{E} =$	F =	G =	Date visited:		





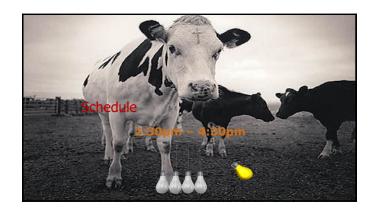














Three Key Takeaways Like other preventable, treatable and chronic health conditions:

 Addiction and recovery affect the <u>brain</u>, mind and behavior



Recovery requires daily and sustained engagement and connections



After this session participants will be able to...

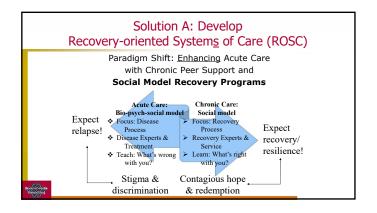
- Explain a) why people sometimes don't "just quit and stay quit," and b) the reasons for the message of hope that expects recovery;
- Describe how alcohol and other drug use <u>and</u> the environments in which use occurs changes priorities and behaviors such that recovery capital and connections to supports are typically needed to initiate and sustain longterm recovery; and
- Identify the many peer and professional resources that are available in your community.

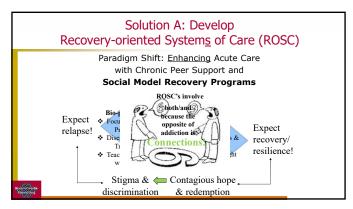
The Problem



Addiction is a chronic health condition that involves brain and body (mind) circuitry for reward, motivation & memory







1. Emphasizes social & interpersonal connections as the foundation of sustainable recovery.

2. Values experiential knowledge.

3. Promotes peer-to-peer, mutual aid and other recovery supportive environments in which progressive wellbeing is the common bond.

4. Requires active work in an individualized recovery program.

5. Emphasizes peer-to-peer AND practitioner-client relationships that blend to mutually enhance treatment and recovery/wellness objectives and key results.

Borkman, Kaskutas, Rooms, Bryan, & Barrows. (1998). An historical and developmental analysis of Social Model Programs. Journal of Substance Abuse Treatment, 15 (1), 7-17.

Solution B: Listen for the benefits of sustained connections in recovery stories

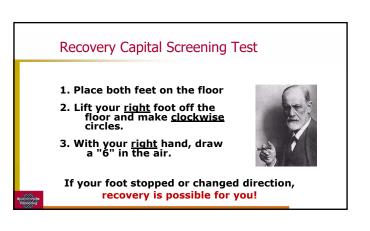
Until lions have historians, tales of hunting will always glorify the hunter.

African Proverb

Solution C: Enhance Your Recovery Capital (Connections) within Recovery-oriented Systems of Care

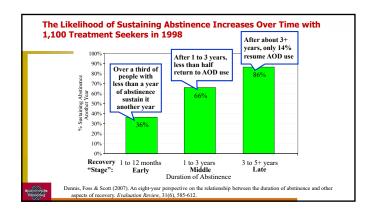
If you want to travel fast, go alone.
To go far, travel with many.

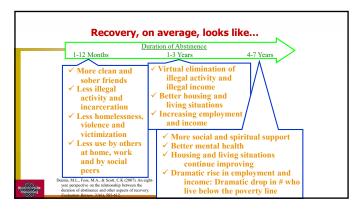
African Proverb





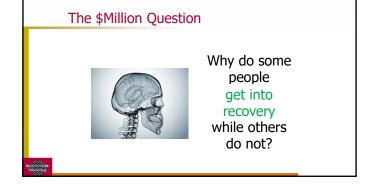




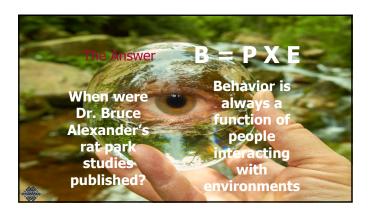


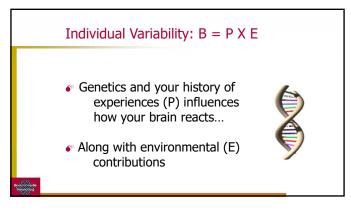
Recovery Prevalence and Pathways of 39,000 US Adults

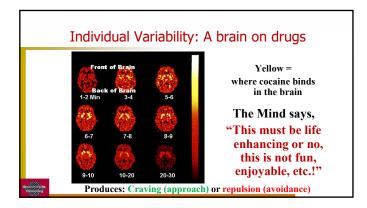
- "Used to have a problem with alcohol or other drugs (AOD) but no longer do": projected to be 9.1% or 22.35 million!
- "A large proportion... resolve AOD problems without any external assistance" = 46.1%
- Choosing an assisted pathway likely if: A) diagnosis of substance use disorder, B) drug court involvement or C) no mental health disorder diagnosis
- Mutual aid (AA, NA, etc.) = 45%
- Formal treatment = 28%
- Recovery support services (faith-based, RSC, sober living) = 22% Kelly, Bergman, Hoeppner, & White. (2017). Drug and Alcohol Dependence, 181, 162–169.

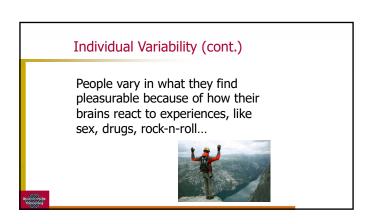


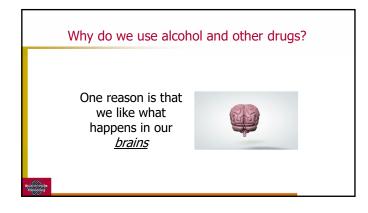














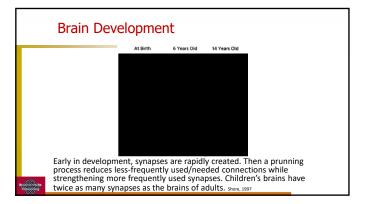


The Brain

- > Approximately 4-6 pounds
- > Estimated 100 billion neurons
- > 10,000 varieties of neurons
- Neurons communicate via electro-chemical processes
- > Miles of blood vessels
- ▶ Estimated 10¹¹ connections among neurons ♪
- Monitor sensory input for patterns → change detection plus create maps and make meanings → The Mind

The Brain (cont.)

- · Responsible for initiating and controlling every:
 - sensation
 - movement/behavior
 - emotion
 - thought
- That make up the human experience!
- Some of the most important changes in the brain occur in childhood and adolescence



Adolescence

Brain development levels off (but doesn't stop) around age 15 affecting adult-like abilities in:

- Attention
- Selective and divided attention
- Staying focused on complicated tasks
- Emotion and memory selfregulation

Adolescence (cont.)

Brain development levels off (but doesn't stop) around age 15 producing adult-like abilities in: (cont.)

- Thinking speed and organization including metacognition or self-reflection
 - Introspection: thinking about my thinking and emotions
 - Interspection: thinking about what others think/feel and how they see me

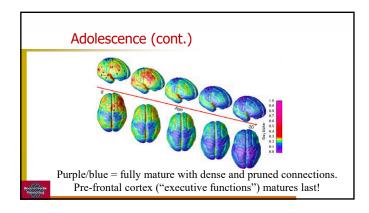


Adolescence (cont.)

These new cognitive abilities may cause two challenges:

- Heightened self-consciousness = thinking that everyone's attention is focused on me
- Belief that her or his experiences are unique: egocentricism. For example:
 - Mother or father cannot understand what it feels like to fall in love, or end a romantic relationship
 - b. If I'm careful I (or my partner) won't get pregnant or catch a STD from having sex once, or twice
 - . I'm not like those losers who get caught I can get away with drinking and driving



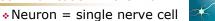


Adolescence (cont.)

- · Brain development associated with adult abilities is not complete until the mid to late twenties
- · Alcohol and other drug use retards this development, sometimes permanently!

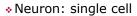


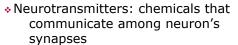
Communication in the Brain



- Neurotransmitters = chemicals for communication among neurons
- "The Chemistry of Addiction" 10:25 https://www.youtube.com/watch?v=ukFjH9odsXw&t=51s
- 1. "Mo' synapses, mo' problems"?
- 2. What triggers the limbic system?
- 3. What are the effects of dopamine?

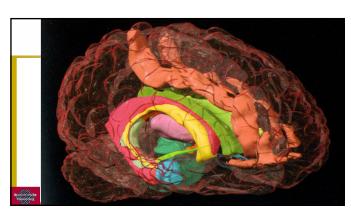
Communication in the Brain



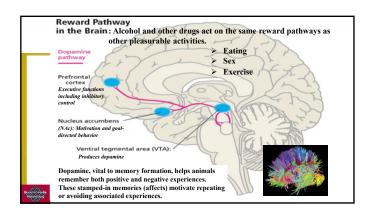


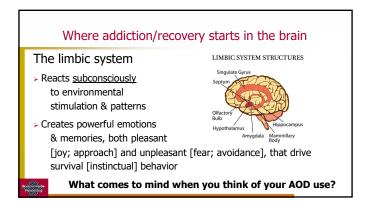
Experiences and learning cause synapse connections and strengthening (neuroplasticity)

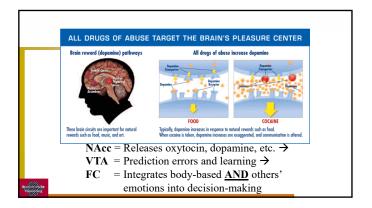


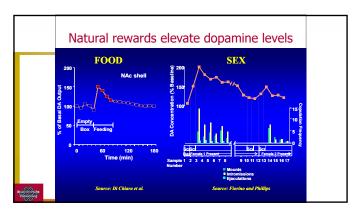


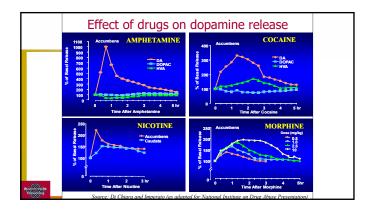






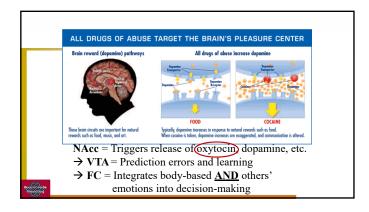


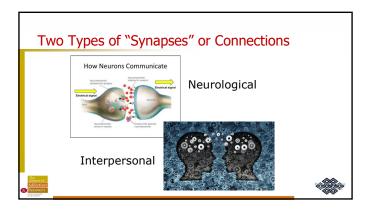


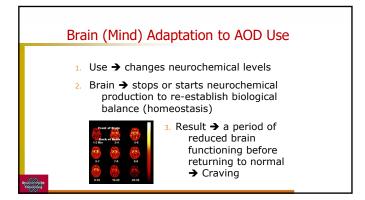


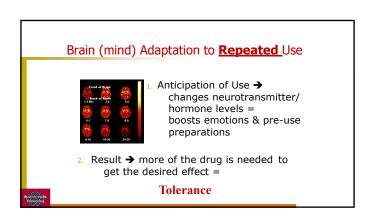


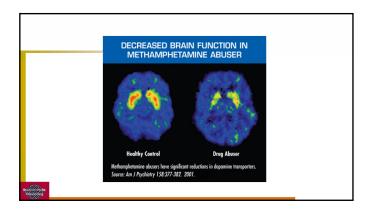






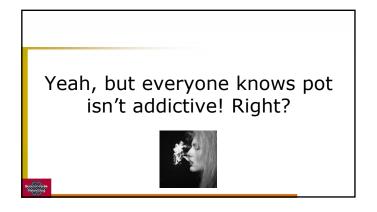






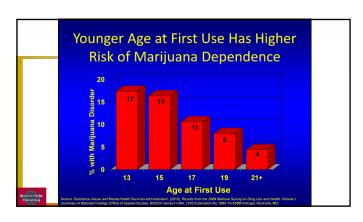


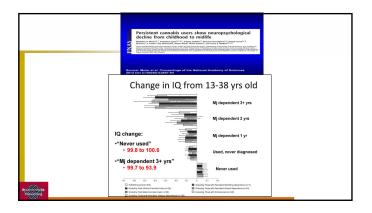


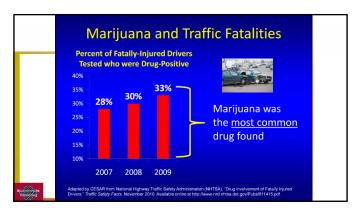














Understanding people's behavior while using AOD or in early to middle recovery

- Brain <u>and social</u> systems changes occur over time and take time to re-set
- Override factual memory storage (hippocampus) and logical reasoning (prefrontal cortex) while re-setting behavioral priorities
- Helps explain behavior that "flies" in the face of logic, e.g., return to AOD use, lying, etc.

Why return to AOD use? (B=PXE)

- Cravings (B) are due to internal (P) & external (E) triggers/anchors that set off a physiological chain reaction from the brain or the body: freeze/fight/flight/tend/etc.
- Examples of external (E) triggers:
 - ± People: "That wrong crowd"
 - **±** Places: The Corner, Celebrations
 - * Things: Cash, Payday, Fridays, overhearing a conversation, song/tune, commercial, drug paraphernalia, memory or dream, etc.

Why return to AOD use? (B=PXE) (cont.)

Examples of internal (P) triggers:

HALT: states of deprivation or excess



<u>H</u>ungry or <u>H</u>appy

Angry or Aggrandized

Lonely or Love

<u>Tired</u> or <u>Tried</u> and tempted

"the other side of silence"

Therefore, brain adaptation (neuroplasticity) accounts for cravings and returning to alcohol and other drug use that...

sets and re-sets brain systems and our priorities



Explains seemingly weak-willed or otherwise unexplainable behavior

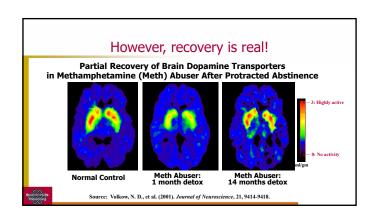
So, prolonged AOD use.....

Causes both structural/physical and functional changes in brain structures and neurotransmitter pathways

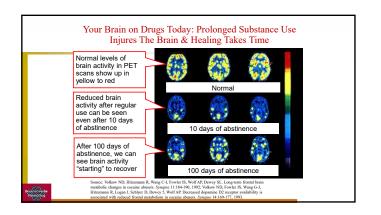
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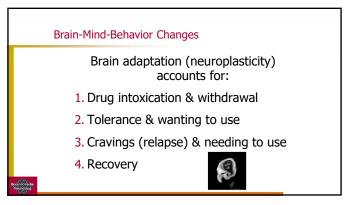
changes the mind!





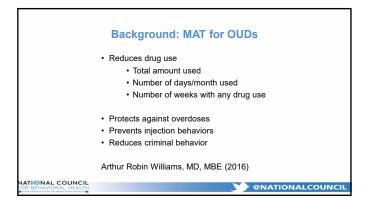


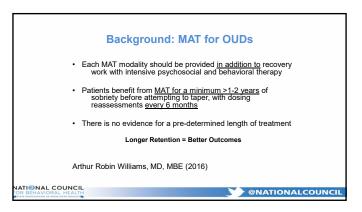




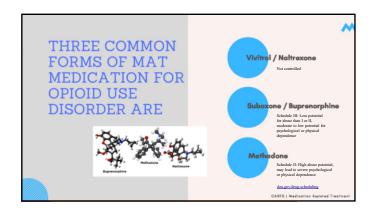


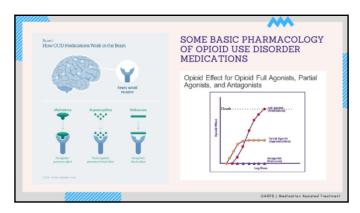




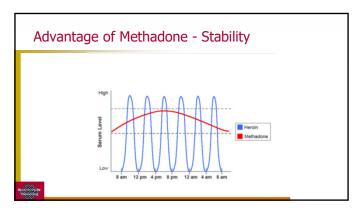


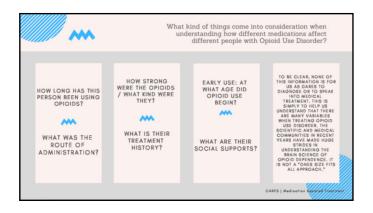


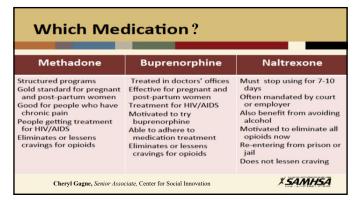




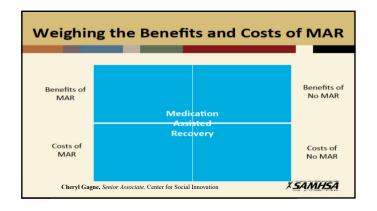


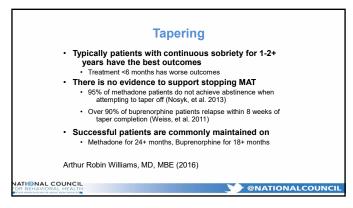




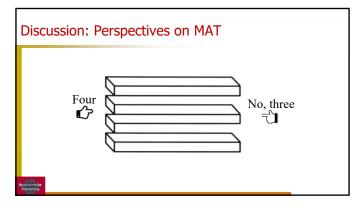


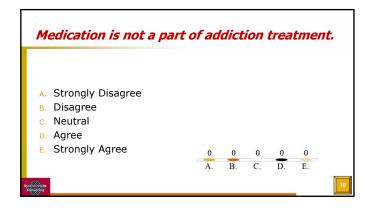


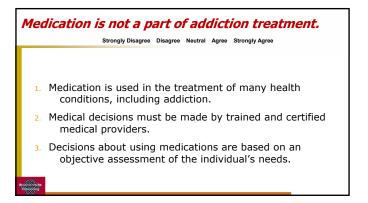




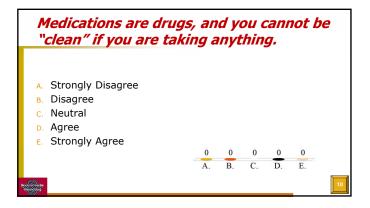












Medications are drugs, and you cannot be "clean" if you are taking anything.

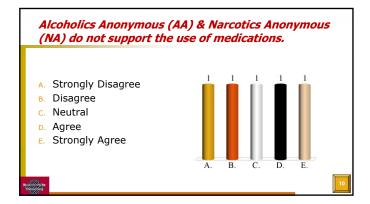
Strongly Disagree Disagree Neutral Agree Strongly Agree

1. Millions of Americans use medications (e.g., Zyban, nicotine patches) to quit smoking

2. Physical dependence is not the same as addiction.

3. The goal of SUD treatment is to assist in stopping the compulsive use of AOD and live a healthy, functional life.

4. Pharmacotherapies are effective.



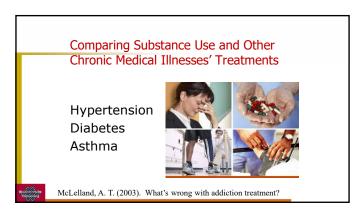
Alcoholics Anonymous (AA) & Narcotics Anonymous (NA) do not support the use of medications.

Strongly Disagree Disagree Neutral Agree Strongly Agree

1. AA/NA literature and founding members did not speak or write against using medications. In fact, AA/NA endorses participants' use of medicines as prescribed for the treatment of medical conditions.

2. Some AA/NA meetings hold negative opinions about MAT. It is therefore important to learn how and where to participate in meetings if one is taking medications.





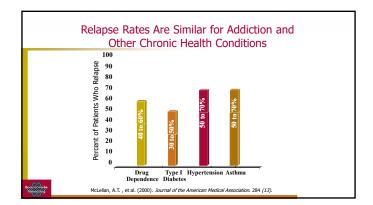


Why Compare?

- ☑ Everyone agrees they are illnesses
- ✓ Influenced by genetics + experiences (P) and environment (E)



- Chronic conditions
- Cures are rare although effective treatments are available



Expect Recovery!

Neuroscience research shows that:

- The brain has a remarkable ability to change, adapt and heal = recovery
- Two keys: 1) length of time and 2) one's experiences <u>after</u> alcohol and other drugs are out of the body

The recovery process takes time

For the brain to adapt and:



- Heal = adjust to the absence of the drug
- Seplace responses to triggers
- ① Learn new ways of experiencing pleasure

Æ,

Rewire the brain/mind by:

- Sustained and active engagement with recovery communities
- Focusing on strengths, using talents and skills & celebrating progressive wellness



- Biological/physical
- * Emotional/spiritual
- Environmental

Recovery capital (PXE)



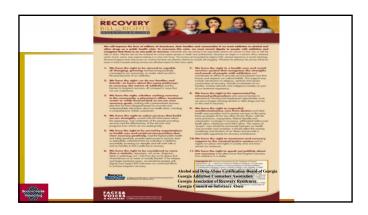
- Personal and environmental/community resources for initiating and sustaining recovery
- \$ Individual and cultural variability
- One's existing recovery capital, current situation and problem severity inform the intensity and duration of recovery supports needed at any point in the recovery process



Solution C: Develop Recovery Capital with Recovery-oriented Systems of Care

If you want to travel fast, go alone. To go far, travel with many.

African Proverb



Recovery Capital & Many Pathways Mutual support groups Professional treatment Faith-based groups Medication-assisted treatment Natural" or on your own And more indigenous routes A menu of options

