# Mountainside

Healthy Connections: Understanding the Relationship Between Adolescents and Addiction

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### Overview

### Goals for today:

- Have a general understanding of what his happening in the brain during adolescent development.
- Be able to identify how their can be a relationship between adolescents and substance use.
- An introduction to the risks and protective factors that can foster or prevent the development of an addiction.
- Understand how addiction is a disease.
- Identify signs of struggle related to addiction.
- How to talk about addiction with our loved ones.
- Know where to look for help, and what it looks like to get help.

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# Quick Background: Interpersonal Neurobiology

IPNB is an interdisciplinary field that utilizes the common findings across multiple areas of study to understand how we develop as people.



The Adolescent Brain	
PREFRONDAL PRIVINGENERAL GARDO ANTIGORAL STEM STEM STEM STEM SPECAMPUS	What's so different?  • Brain – Physically we get a burst of new neurons, puberty is starting to happen, and the pre-frontal cortex is starting to grow while the pleasure center area of the brain is growing faster.  • Relationships – Starting to shift from learning from caregivers to learning from peers. Generally, community is getting larger as well.  • Mind – Shift from concrete thinking to abstract thinking, while learning about self and others and how to interact with the world around us that is now getting larger.

### The Name of the Game is Experiences

Neuroplasticity is the ability of the brain to adapt, grow, and prune.

- Think play dough.
- Nature vs. Nurture Both work together to help us reach our full potential.
- Experiences are the biggest spark to get neurons firing; experiences from our physical environment and our relationships.



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# The Name of the Game is Experiences

The brain's intentional imbalance of slower forming pre-frontal cortex and larger more active limbic region area or pleasure center is so adolescents can take more risks to have more experiences.

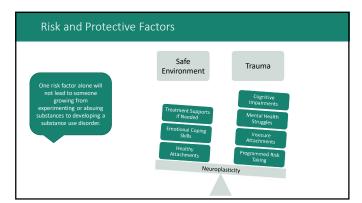
- Sparks greater growth of pre-frontal cortex
- Emotional Regulation, Abstract Thinking, Decision Making
- Fosters more overall neural pathways and networks
- Leads to more information to better understand who we are as individuals, the people around, and the world us.
- Unlocks genetic potential, dormant positive traits of resilience that have been passed down but not fully activated

### The Name of the Game is Experiences

That is all good stuff, what's the catch?

- Being programmed to take more risks, means greater likelihood to experiment and/or abuse substances and other risky behaviors.
  - Dormant genetic traits or susceptibility to addiction passed down through the family gene pool can be activated
- If an adolescent struggled to form healthy relationships this will increase chances to connect to "something," possibly substances or other risky behaviors.
  - A better perspective of addiction is to view it as an attachment disorder.

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# Impact of the Pandemic

A time of persistent *grief and loss* is and continues to be a risk factor. The full scope of the negative impact will not be realized for years to come.

- · Access to Friends and Family
- Lifestyles
- Routine
- Access to reliable and helpful coping skills
- Death of loved ones
- $\bullet$  Watching those around us struggle to find ways to cope

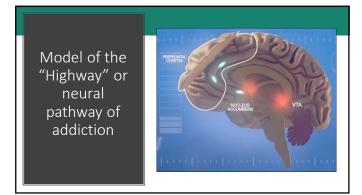
### Understanding Addiction is a Disease

Repeated use of substances and behaviors that flood the brain with dopamine will short circuit our brain.

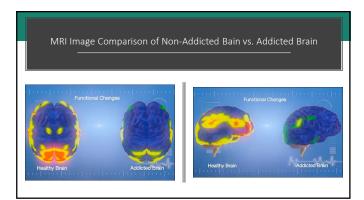
- The brain will try to adapt and using neuroplasticity will physical create a new unhealthy circuit (neural pathway) that bypasses the part of the brain that can realize this is bad and I need to stop.
- $\bullet\,$  This is a physical change in the brain.
- The part of the brain needed to self-regulate is already at a disadvantage for an adolescent because it is still growing and not at full strength.

What's the Difference between Substance Abuse Disorder and Substance Use Disorder?

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# Signs of Struggling The Drift Relationships • Strain with prior healthy attachments • Isolated –Friends, Family, Clubs, Teams • Active in toxic relationships • Struggle to form new connections • Struggle to form new connections • Withdrawal Symptoms • Illness related to heavy use • Withdrawal symptoms • Illness related to heavy use Signs of Struggling Behavior and Function • Negative change in academic performance (grades and attendance) • Struggle to perform in employment, sports teams, centractivities of the concentrate of the

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### Signs of Struggling (cont.)

What you might find?

- Alcohol
- Old Scripts (Benzodiazepines, Opioids, Stimulants)
  - Find pills whole, but also see them crushed up you know struggles have progressed
- Bongs, Glass Pipes, Rolling Paper, Cigars, Dime Bags
- Vapes (Tanks, E-Cigarettes, E-Pen, Dab Pens)
  - Are not just used for nicotine but THC as well
  - $\bullet\,$  THC often at the root of the news reports of adolescents who end up in the hospital
  - $\bullet\,$  The THC itself is a risk, often not regulated, and mixed with other chemicals
  - The Vitamin E that is often added as thickening agent to the liquid is now learned to be lethal after being heated for clogging up the lungs.



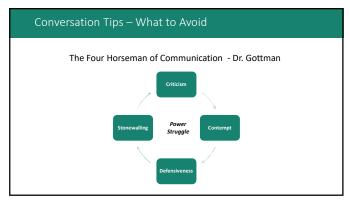
### How to Start the Conversation?

Conversation can be anxiety provoking and awkward, but first step is to lean into the discomfort and have it.

- The experience itself when done with transparency will lead to you feeling like a safe place to ask questions, share concerns, and ask for help.
- $\bullet$  Key word is transparency, no mind games, no tricks, no entrapment.
- Use I-Statements to express your own concern and anxiety.
- Use O.A.R.S. to keep a safe feeling and motivate change:
  - Open Ended Questions
  - Affirmations
  - Reflections
  - Summaries



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	What Help is Out There?
	There are various levels of help available based on current risk and
	protective factors for each person.  • Community Supports
	• A.A • N.A
	<ul> <li>SMART Recovery</li> <li>Refuge Recovery</li> <li>Celebrate Recovery</li> <li>Mountainside has free community supports available on website that range from support groups to wellness group.</li> </ul>
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	What Help is Out There? (cont.)
	Recovery Coaching
	<ul> <li>Treatment options and the various levels of care.</li> <li>Inpatient Services</li> </ul>
	Detox Programs (Medical support to help during withdraw)     Residential Programs (30-90 Days)     Outpatient Services
	Intensive Outpatient Programs (IOP) Outpatient Programs (OP) Outpatient Programs (OP)
	Psychiatry and Medications Assisted Treatments (MAT or MATS)     Should be paired with outpatient services/psychotherapy
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	Key Points to Take Away
	Adolescent period of development is a natural time to take risks, and if enough risk factors are in place can lead to a relationship started with
	substances.
	A protective factor to add is being transparent and curious in having conversations with our loved ones.
	There is help available through community supports and professional
	There is help available through community supports, and professional help available through a variety of treatment options.

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