

Alcohol and the Brain



- Studies show that adolescent alcohol use impairs development of prefrontal cortex and hippocampus among other regions
- These are regions responsible for judgment, decision making, impulsivity, and memory

Here's a Problem with Marijuana...

- Rapid brain growth in key parts of the brain continues into the 20s.
- Marijuana use in adolescence interferes with natural brain development in some key areas
- Hippocampus (memory), amygdala (emotion and anxiety), nucleus accumbens (motivation), hypothalamus (appetite, stress), cerebellum (muscle coordination)



Vaping/E-cigarettes

- FDA ruled that vape manufacturers must register ingredients by 2019.
- Harvard study (51 vaping devices) 75% contained dangerous flavoring chemicals
- Popcorn lung (Diacetyl)
- Propylene oxide
- Glycerol to acrolein
- Aldehydes
- Triggers immune response



Age of First Use

- Children who begin drinking at or before age 13 have a 47% risk of becoming alcoholic during their lifetime, age 17 run about 25%, age 21 run 10%
- It takes until mid-20s for the brain to fully develop



- Frontal Cortex is the last section of the brain to develop; it controls decision-making, memory, response inhibition



Rosecrance La Grange

47 6th Ave., Suite L
La Grange, IL 60525

Services offered:

- Free confidential drug and alcohol evaluations
- Early intervention services
- Adolescent Intensive Outpatient Program (IOP)
- Young Adult Intensive Outpatient Program (IOP) for 18-29 year olds
- Assistance to families who need help finding resources
- Prevention resources and presentations for parents and students
- Substance abuse awareness training and education for professionals, community organizations and parents
- Urine drug screens offered at an additional cost



The Rosecrance Griffin Williamson Campus is a 67,000 square foot, 80-bed treatment center for teens up to 20 years old.

The facility includes an on-site school, chapel, gymnasium, fitness center, healing garden and conservatory.

Healing Garden at RGW





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