

# HOW DOES **THC** **IMPACT** BRAIN DEVELOPMENT IN TEENS?

**Even with 1-2 uses, THC use in teens causes changes in brain development and function. Talk to your teens about the impact of THC on their brain!**

## BRAIN PART, FUNCTION, AND THC IMPACT:

### 1. Prefrontal cortex

Executive function and higher reasoning  
Increases impulsiveness and reduces judgment

### 2. Nucleus accumbens

The reward circuit  
Increases euphoria

### 3. Amygdala

Emotions, fear, anxiety  
Increases paranoia, panic

### 4. Hippocampus

Learning new information  
Impairs memory

### 5. Orbitofrontal cortex

Motivation and drive  
Decreases desire to do things

### 6. Basal ganglia

Planning and starting movement  
Slows reaction time

### 7. Cerebellum

Motor skills, balance  
Impairs coordination

### 8. Hypothalamus

Eating, sex drive  
Increases appetite

### 9. Neocortex

Feeling and movement  
Alters sensations

