

Impact of Cannabis on the Brain

Neocortex

Involved in higher cognition
+ sensory perception

Hippocampus

Crucial in long-term
memory storage

Cerebellum

Coordinates voluntary
movement

Brainstem + Spinal Cord

Regulates vomiting,
respiration, pain sensation

Basal Ganglia

Involved in motor
control + planning

Amygdala

Responsible for anxiety,
emotion, fear

Ventral Striatum

Functions as part of the
reward system

Hypothalamus

Controls hunger, sleep,
mood, sex drive

Cannabinoid receptors are abundant in parts of the brain that regulate movement, coordination, learning + memory, higher cognitive functions, and pleasure.