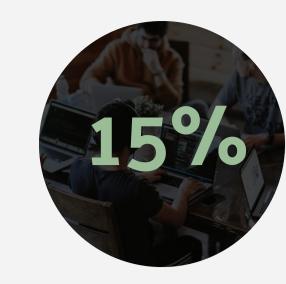
Cammabis-Induced Psychosis in Adolescents

CANNABIS USE IN CANADA



of Canadians aged 15 and older have used cannabis

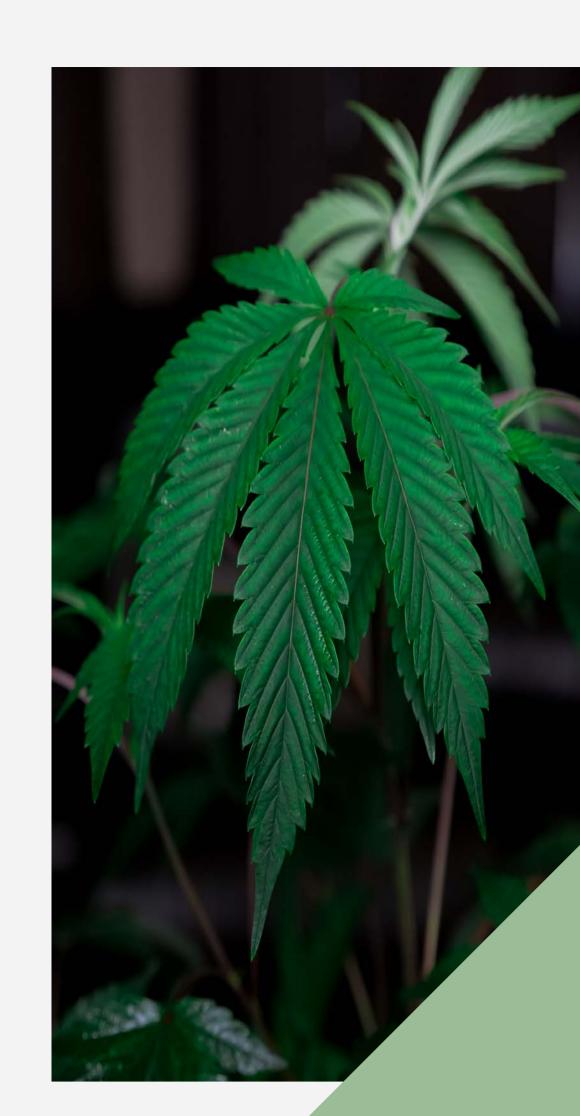


The most frequent users of cannabis are between 16-24 years old, and their use is double that of those 25+ years old



15-24 year olds comprised 49% to 58% of cannabis-related hospitalizations in Canada between 2006 to 2015

Cannabis comes from the plant, cannabis sativa. One property of cannabis, known as THC, is responsible for creating a 'high' feeling. However, THC may also create psychosis symptoms in certain individuals.





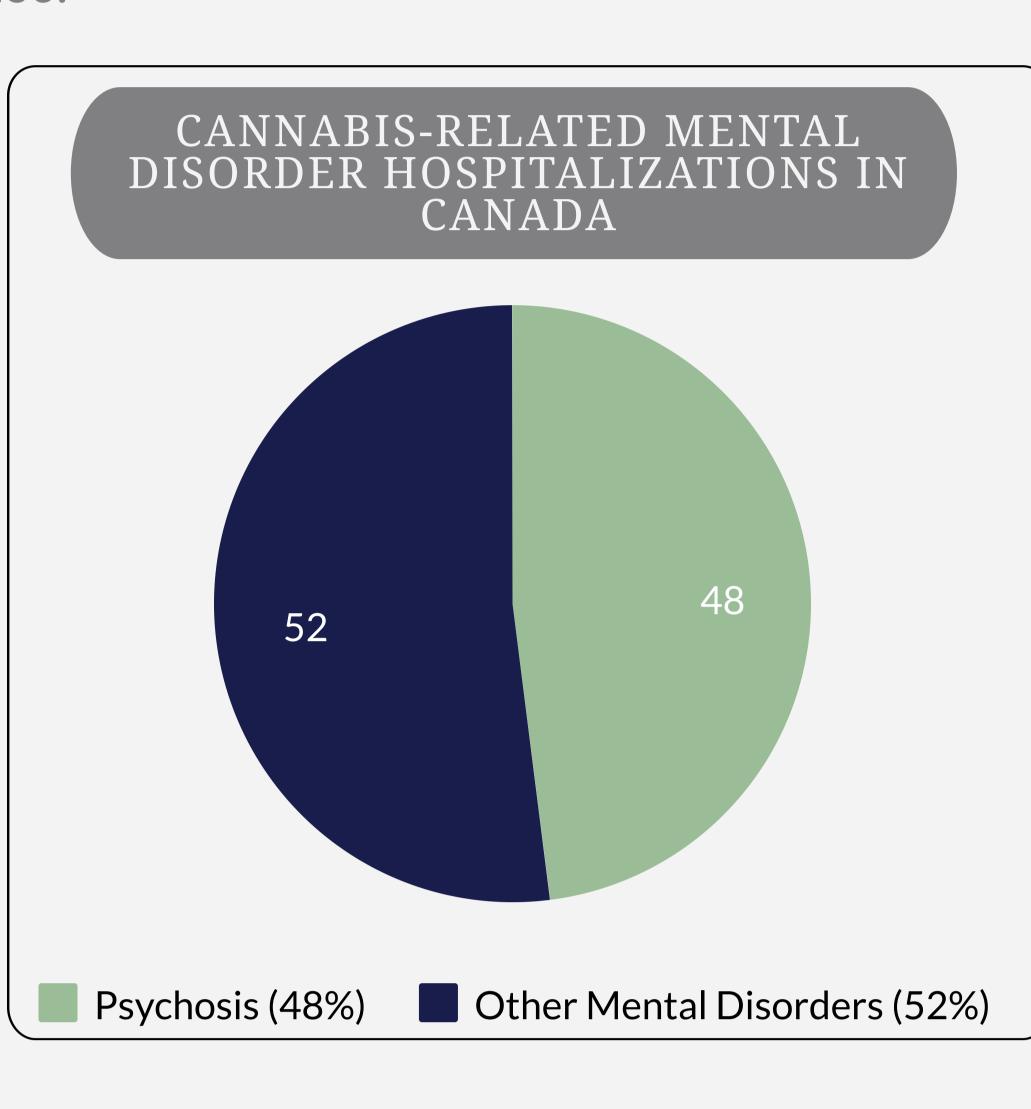
WHAT IS PSYCHOSIS?

Psychosis is a mental condition where one may find it difficult to determine what is and is not real. A person experiencing psychosis may have negative symptoms like diminished emotional expression. They may also have positive symptoms like hallucinations and delusions, which can be induced by engaging in cannabis use.

Hallucinations Sensing something that is

not actually there Delusions False beliefs a person holds that is not accounted for by

their culture

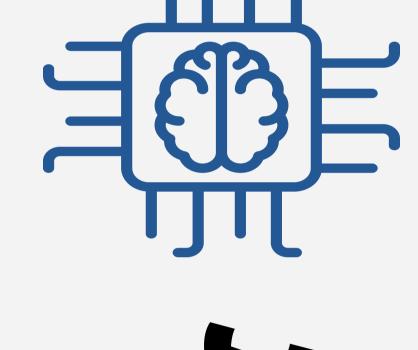


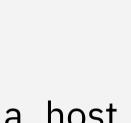
The rate of cannabisrelated mental disorder hospitalizations in Canada is rising. Almost half of these hospitalizations are for psychotic disorders.

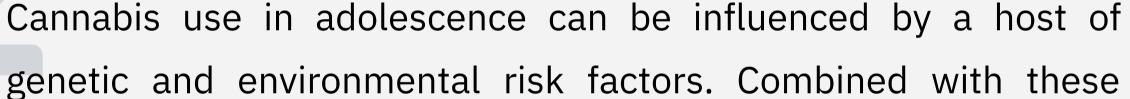
HOW ARE CANNABIS AND PSYCHOSIS RELATED?

ALTERATIONS IN THE BRAIN

Chronic cannabis use is associated with decreases in grey matter in the brain. Decreased grey matter is also associated with people who have psychosis experiences.







GENETICS & ENVIRONMENT

factors, cannabis use can lead to psychosis symptom experiences in adulthood. SELF-MEDICATION HYPOTHESIS



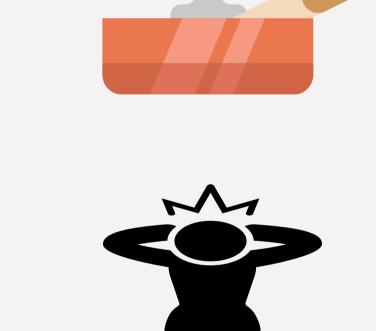
Cannabis use does not always precede psychosis. The Self-Medication Hypothesis suggests that people may use cannabis to

psychosis-inducing effects over time.

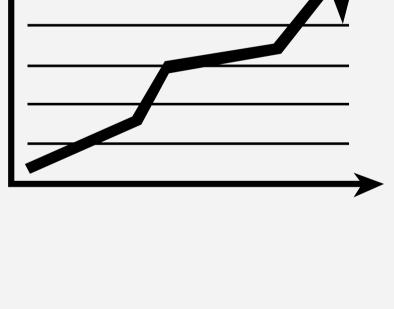
cope with psychosis symptoms. SENSITIZATION

People who chronically use cannabis may become more sensitive

to the calming properties of cannabis but also more reactive to its



WHO IS AT RISK?



cannabis a person uses, the greater the risk for experiencing psychosis.

Cannabis-induced psychosis is

dose-dependent: the more



for psychosis

Frequent cannabis use in early

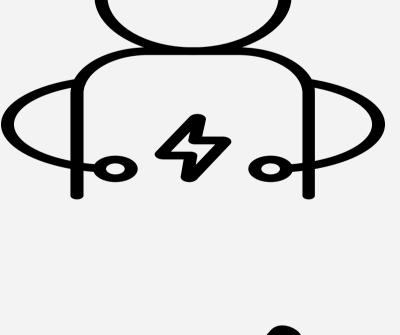
development and increase the

affect brain

adolescence can

People with a history of childhood trauma who use cannabis during

adolescence are at increased risk



People with the COMT gene

for a psychotic episode

Higher levels of THC increases its

potency, thus increasing the risk



risk for future psychosis



a family history of psychosis, and use cannabis during adolescence are at increased risk for psychosis



engage in cannabis use are at increased risk for psychosis

People with high schizotypy (ex.

dissociative or imaginative states) who

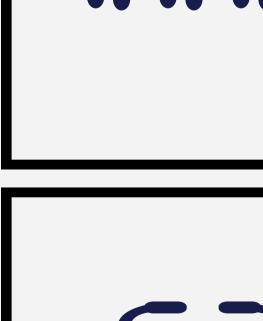


adolescence

Abstain from or reduce

frequency of cannabis

use, especially during



reduce risk of cannabisinduced psychosis

Therapeutic intervention

who have experienced

childhood trauma can

for vulnerable adolescents



Use cannabis products with little to no THC, or opt for products with CBD (cannabidiol) products instead

Please consult with your

physician for potential

medication options



reduce fears about and experiences of delusions

Therapy can challenge and

Cognitive Behavioural

and hallucinations for people at high risk for psychosis



Psycho-education about psychosis symptoms and the effects of cannabis can reduce cannabis use and/or encourage people to seek treatment



