

MEDICAL MARIJUANA FOR EPILEPSY? WHAT YOU SHOULD KNOW.

EDUCATIONAL SERIES:
HEALTH CONDITIONS

Updated 2024

FLORIDA LAW FORMALLY RECOGNIZES EPILEPSY AS A QUALIFYING CONDITION FOR MEDICAL MARIJUANA.

WHAT IS EPILEPSY?

- Epilepsy describes a disease of the brain that causes one or more types of seizures.
- Seizures can have different symptoms and can affect what a person sees, hears, or tastes. During a seizure, a person may not respond and may even lose consciousness.



CAN MEDICAL MARIJUANA HELP EPILEPSY?

- There is very limited evidence that supports the effectiveness of medical marijuana-containing “delta-9 THC,” which is the main compound in marijuana that is known to have psychoactive effects, on epilepsy or related seizure disorders.
 - However, cannabidiol (CBD), which is another compound found in medical marijuana, has demonstrated effectiveness in treating specific forms of epilepsy (Lennox-Gastaut syndrome, Dravet syndrome, and tuberous sclerosis complex).
 - In 2018, a plant-derived product that contains CBD but does not have any THC received FDA approval and is available as prescription medicine. The medication is named Epidiolex™.
- There is some evidence that medical marijuana products containing some THC might show similar effects as the prescription medication described above, if the product contains similar doses of CBD.
 - However, the side effects for medical marijuana might differ from prescription medications.
- Studies to date also caution that medical marijuana use may be associated with risks such as confusion, dizziness, and feeling sick (e.g., nausea).

WHAT SHOULD I ASK MY HEALTHCARE PROVIDER?

1. Discuss if you have any history of substance use disorder or a mental health condition such as schizophrenia.

Patients with these conditions are often excluded from clinical trials that examine the effectiveness and safety of medical marijuana, due to concerns about an increased risk of adverse events.

2. Discuss if you are taking any prescription medications to treat other conditions, such as pain, depression, cancer, or for an autoimmune disorder.

Certain compounds found in medical marijuana (e.g., cannabidiol) can interact with medications for those conditions and may require further dosing adjustments that should be guided by a physician.

3. Report and discuss any concerning effects of medical marijuana with your physician.

There are many possible interactions between medical marijuana, diseases, medications, and other substances. Therefore, regular communication with your healthcare provider can assist in identifying risks.



1. The 2020 Florida Statutes. Title XXIX, Chapter 381, section 381.986: Medical use of marijuana.
2. Jugl S et al. A Mapping Literature Review of Medical Cannabis Clinical Outcomes and Quality of Evidence in Approved Conditions in the USA from 2016 to 2019. *Med Cannabis Cannabinoids* 2021.

3. National Academy of Sciences, Engineering, and Medicine. 2017. The health effects of cannabis and cannabinoids: The current state of evidence and recommendations for research. Washington, DC: The National Academies Press.

4. Gaston TE, Friedman D. Pharmacology of cannabinoids in the treatment of epilepsy. *Epilepsy Behav.* 2017 May;70(Pt B):313-318. doi: 10.1016/j.yebeh.2016.11.016. Epub 2017 Jan 10. PMID: 28087250.

5. Abu-Sawwa R, Stahling C, Epidiolex (Cannabidiol) Primer: Frequently Asked Questions for Patients and Caregivers. *J Pediatr Pharmacol Ther.* 2020 Jan-Feb;25(1):75-77. doi: 10.5863/1551-6775.25.1.75. PMID: 31897080; PMCID: PMC6938286.

6. Brown, J.D., Winterstein, A.G. Potential Adverse Drug Events and Drug-Drug Interactions with Medical and Consumer Cannabidiol (CBD) Use. *J. Clin. Med.* 2019, 8, 989. <https://doi.org/10.3390/jcm8070989>

ABOUT THE CONSORTIUM

Established in June 2019, the Consortium for Medical Marijuana Clinical Outcomes Research conducts, shares, and supports research on the effects of medical marijuana on health conditions and symptoms in Florida.

Composed of nine universities across the state and led by a leadership team at the University of Florida, the Consortium works to contribute to the understanding of medical marijuana use on health conditions and symptoms.



MEMBER UNIVERSITIES

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