



Delta 8:

A Deep Dive Into Health Concerns, Legislative Updates, and Product Availability Amongst Adolescents

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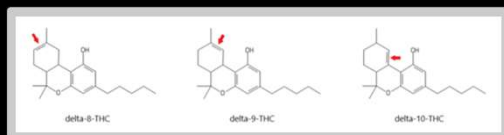
Learning OBJECTIVES:

- Identify the potential health risks associated with Delta use
- Understand how Delta 8 affects different age groups
- Describe the legal and regulatory landscape of Delta 8 and influence on potential health risk
- Evaluate different strategies that can help reduce or prevent youth use of hemp derived products

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What is Delta-8, 9, and 10 THC?

- THC isomers (delta-8, delta-9, delta-10)
- Delta-8 and Delta-10 are chemically different from Delta-9 THC by the location of one double bond
- A plant is considered hemp in Wisconsin when it has a delta-9 THC level of 0.3% or lower due to the Farm Bill passed in 2018.
- The World Health Organization estimates D8 is 50% to 75% as potent as D9



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Hemp/ Marijuana

Hemp and marijuana are from the same plant family. The only difference is hemp leaves contain 0.3% or less THC (more CBD) making it legal in Wisconsin. Whereas, Marijuana leaves contain 0.3% or more THC (Less CBD).

- Both psychoactive

CBD

CBD is often an oil. This is derived from the Hemp plant and stripped of THC making it non- psychoactive and FDA approved.

Benefits:

- Relaxation
- Seizures
- Anxiety
- Sleep

Delta

Delta is a compound found in the Hemp leaf with small traces of THC (0.3% or less). This is being extracted from the plant and mixed with other dangerous addictive chemicals such as nicotine to cause an intense psychoactive effect, yet, still be legal in certain states due to the low THC concentration.

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WHAT ARE WE SEEING ON THE MARKET?

- Delta-8 products being advertised in mainstream outlets as "Weed, Marijuana, Delta, THC, CBD and Hemp". This causes confusion among youth about the legalization of marijuana products in Wisconsin.
- Advertised as "Lab Tested" even though the majority are not actually lab tested, if you scan the QR code you may find a blank page.
- Comes in forms of vapes, oils, edibles and drinks.
- Promoted as "high without mental side effects" FALSE!
- Marketed with medical claims
- Widely available in all markets with little to no restrictions, including no age restrictions.

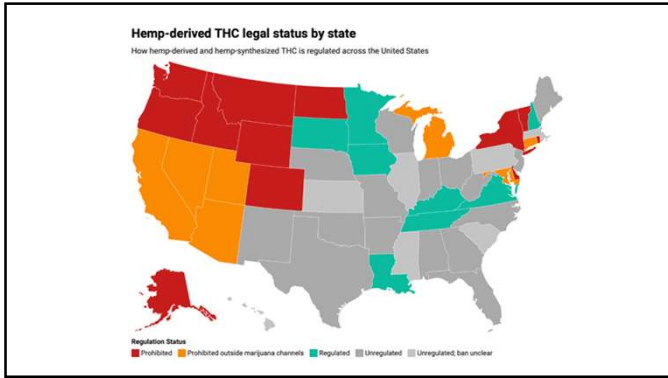
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LEGISLATIVE FUTURE OF DELTA-8

Until federal agencies come to a final ruling and standardize regulations, laws will continue to change on a state and local level. Currently, there are 12 states that have completely banned delta-8 THC—including states where recreational and medical marijuana is legal. Some states have pushed to legalize Marijuana in hopes people stop using Delta products since its not regulated and causing so much harm.



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MICHIGAN POISON CENTERS
WARNING:

"Two cases of severe adverse reactions were reported in children who ingested their father's gummies purchased at a vape shop. The children developed sedation, slowed breathing, low blood pressure and slowed heart rate, requiring admission to the intensive care unit."⁴

THC use in children can cause extreme low blood pressure, difficulty breathing, severe sedation, long-term coma, seizures and further intense psychological effects.

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FDA, FTC Warn Six Companies for Illegally Selling Copycat Food Products Containing Delta-8 THC

"The products we are warning against intentionally mimic well-known snack food brands by using similar brand names, logos, or pictures on packaging, that consumers, especially children, may confuse with traditional snack foods."

Nebraska Attorney General Files Lawsuits Over Delta-8 THC Products On Store Shelves

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CDC HEALTH ADVISORY:

- Toxic Delta-8 and other hemp derivatives exposures led to:
 - Higher poison control calls
 - Required hospitalizations
 - 71% of unintentional poisoning involved pediatric patients less than 18 years of age

Increases in Availability of Cannabis Products Containing Delta-8 THC and Reported Cases of Adverse Events

(CDC.gov,2023)

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Examples of Harmful Ingredients Found in Delta Products:

- O- Acetate Which is also used to make plastics and explosives
- Nicotine
- THCP (tetrahydrocannabinol) which is 30x more potent than THC causing severe side effects such as intense hallucinations.
- HHC (hexahydrocannabinol) is commonly found containing traces of toxic heavy metals due to unsanitary "factories".
- Unknown chemicals used to change color and smell
- Few cases of laced with fentanyl

Hundreds of others....



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POTENTIAL HEALTH RISKS?

A lot is still unknown:

- Lack of research/restrictions
- Not enough time to see long term data
- Market continues to introduce new products
- Long term effects on brain development
- Decreased Lung Function

Side effects we do know:

- Severe Anxiety/ Panic attacks
- Tachycardia
- Memory Loss
- Loss of Consciousness
- Tremors
- Glaucoma
- Vomiting
- Slowed Reaction Time
- Hallucinations
- Severe pain
- If pregnant, just one high off of delta products can permanently damage your child's brain

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CONCERNS:



Unregulated



Inconsistent & Unclear
Effects




Increasing Potential for
Addiction

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CARTS: HOW IT'S USED


- Delta Cartridges or "carts"
- Highly sought after
- High concentration
- Used with vape pen
- Disposable
- Contain the most Delta product by weight



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EDIBLES: HOW IT'S USED


- Delta 8 Gummies
- Even more discrete
- Concern psychoactive strength
- Real candy look-alike
- Unrealistic and unclear serving sizes and "waiting periods"



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TINCTURES: HOW IT'S USED

- Delta Tinctures
- Traditional method of consumption for similar CBD products
- Highly concentrated
- Place under tongue or mixed into drinks



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WHERE DO THEY GET THESE PRODUCTS ANYWAYS?

- Parents
- Gas stations and vape shops that don't ID
- Social Media (Snapchat, Instagram)
- Online by clicking "I AM 21"
- Older Friends
- Gift Cards
- Bars

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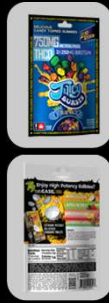
DELTA PRODUCTS

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D9-O NERD ROPE GUMMY BURSTS - BLUE RAZZ

High Potency \$6.95

- Experience an intense and exhilarating journey with our 750mg THCO Nerd Rope Gummy Bursts in Blue Razz flavor - a high potency delight. These gummies are infused with 750mg of THCO (Tetrahydrocannabinol-O-Acetate), delivering a powerful and long-lasting high. The vibrant and tangy blue raspberry flavor explodes on your taste buds, creating a symphony of fruity sensations. Indulge in these high-potency gummies for a thrilling, euphoric experience that will keep you coming back for more.



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THCP ENTOURAGE DAY&NIGHT 2G

Cookie Dough /Platinum BB Kush

THCP ENTOURAGE Day&Night 2g - Cookie Dough /Platinum BB Kush - \$24.95.

- Introducing the Day and Night Disposable Vaporizer -the ultimate solution for on-the-go cannabis users who want a hassle-free and customizable experience. This innovative vaporizer is double-sided, featuring indica on one side and sativa on the other, allowing you to tailor your experience to your needs. The Day and Night Disposable Vaporizer is designed with convenience and sustainability in mind. It is rechargeable, featuring a high-quality ceramic coil optimized for a 1-gram concentrate per coil ratio. This innovative design ensures that you get the most out of your cannabis, providing a superior vaping experience compared to traditional single-tank 2-gram vaporizers.



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HHC GUMMIES - WATERMELON

25mg HHC Gummies - 150mg - Watermelon \$9.95

- Indulge in the world's sweetest HHC edibles on the market. Each gummy consistently contains 25 mg HHC with 6 pieces in each package.



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DELTA-9+ SYRUP - Bussin' Berry

TRE HOUSE DELTA-9+ SYRUP - \$24.99.

- TRE House Delta-9+ Syrup, a powerful and delicious way to enjoy the benefits of Delta-8 and Delta-9 THC. With 30mg of Delta-8 and 13mg of Delta-9 per serving, our high potency syrup packs a punch. Each 4oz container contains 23 servings of our mouth-watering Bussin' Berry flavor or Watermelon Felon flavor, making it perfect for adding to your favorite drinks or enjoying on its own. Whether you're looking to relax and unwind or need relief from stress and anxiety, TRE House Delta-9+ Syrup is the perfect choice. Try this super potent Delta-9 Syrup, it's bussin'.



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DELTA 8 CARTRIDGE - COOKIE

TRE HOUSE 1 GRAM DELTA-8 LIVE RESIN VAPE CARTRIDGE - \$16.99

- GS Cookies (Indica): GS Cookies is a potent Indica strain that has gained a cult following for its powerful and relaxing effects. This strain is known for its earthy and spicy aroma with a hint of sweetness, and its effects are often described as intense and sedative.



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ONLINE ORDERS:



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ADDITIONAL RESOURCES

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ARC FREE PREVENTION EDUCATION

WEBINARS:

August 7th (first of the summer series):

- **Dr. Lin Hogan**- Doctor of Clinical Psychology; Licensed Professional Counselor; Certified Advanced Alcohol and Drug Counselor

Topic: Crisis Response and Violence in Schools




- Treatment of Individuals with Stimulant Use Disorder (8/14)
- Affirmative Substance Abuse Care Among LGBTQIA2S+ Communities (8/21)
- Recovery in the Community: The Importance of Allies (8/28)

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- Offered in virtual, and in-person
- 8 hour evidence based early intervention class
- Challenges common beliefs and attitudes that contribute to high-risk choices
 - Recommended for people under the age of 21 with a possession or underage, in violation of athletic code or facing expulsion.
 - Commonly used in place of a ticket and or suspension


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- 4 hour science based early intervention class
- Uses Stanford's Healthy Futures Curriculum
- Utilises motivational interviewing and Cognitive Behavioral Theory to facilitate change.
 - Nicotine focused
- Can be in place of ticket or suspension
 - Under the age of 21 recommended

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ARC Program Handbooks:



The image shows the cover of an ARC Handbook. The title 'ARC HANDBOOK' is prominently displayed. Below the title, there is a silhouette of a person with their hand raised against a sunset sky. At the bottom of the cover, contact information for the Addiction Resource Council Prevention Education is provided, including an email address: prevention@arcouncil.net and a website: yourchoiceprevention.org.

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- Agriculture Improvement Act of 2018, H.R.2, 115th Cong. (2017-2018), H.R.2 - 115th Congress (2017-2018): Agriculture Improvement Act of 2018 | Congress.gov | Library of Congress
- Brightfield Group: What's the Fate of Delta-8 (brightfieldgroup.com)
- CDC Health Alert Network (September 14th, 2021) Increases in Availability of Cannabis Products Containing Delta-8 THC and Reported Cases of Adverse Events, Increases in Availability of Cannabis Products Containing Delta-8 THC and Reported Cases of Adverse Events (cdc.gov)
- Michigan Poison Center: Fact Sheet: Emerging Public Health Concern: Delta-8 THC, April 23, 2021, Delta-8+THC+PSA+final.pdf (squarespace.com)
- The Journal of Clinical Pharmacology (August 15th, 2021), Natural and Synthetic Cannabinoids: Pharmacology, Uses, Adverse Drug Events, and Drug Interactions.Natural and Synthetic Cannabinoids: Pharmacology, Uses, Adverse Drug Events, and Drug Interactions - Brown - 2021 - The Journal of Clinical Pharmacology - Wiley Online Library
- Wisconsin Poison Center (August 15th, 2023), Delta-8 THC Has Serious Health Risks. Microsoft Word - Delta 8 August 2023 NYC Draft 1 (wisconsinpoison.org)
- FDA (May 4th, 2022), Delta-8 THC Has Serious Health Risks. 5 Things to Know about Delta-8 Tetrahydrocannabinol - Delta-8 THC | FDA
- Public Health Law Center (June 18th, 2022) Exploring the Legal Landscape of Delta-8 THC and Similar Cannabis Products | Public Health Law Center
- U.S. Food & Drug Administration (July 08, 2023), FDA: FTC Warns Six Companies for Illegally Selling Copycat Food Products Containing Delta-8 THC, FDA, FTC Warn Six Companies for Illegally Selling Copycat Food Products Containing Delta-8 THC | FDA
- Brooke, G., (November 9, 2023), Member Blog: Where Is Delta-8 THC Legal and Where Is It Banned? CBD Oracle's Map Has the Answers, Retrieved from <https://thecannabisindustry.org/member-blog-where-is-delta-8-thc-legal-and-where-is-it-banned-cbd-oracles-map-has-the-answers/>
- <https://docs.legis.wisconsin.gov/statutes/statutes/254/iv/92#:~:text=254.92%20Purchase%20of%20possession%20of%20of%20person%20under%2018%20prohibited.>
- <https://www.wisaw.com/2022/09/13/wood-county-passes-age-restriction-delta-8-thc/>

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