CANNABIS USE DISORDER

ARE HIGH POTENCY PRODUCTS A FACTOR IN CUD?

Illinois Higher Education Center

February 15, 2023





We are happy to be here!

Joe Eberstein, CPS

Director for Center for Community Research, San Diego County Marijuana Prevention Initiative
SAMSHA Region 9 PTTC Advisory Board Member

Patrick Foley, CATC

Treatment Professional and Life Coach with over 20 years experience working with youth in recovery.



Agenda

Marijuana in the News

Terms, Potency and Products

Trends in Use and Poisonings

Public Health Data

CUD and Resources

The terms



- Weed, general term for any plant growing where it is not wanted.
- Cannabis genus of flowering plants, sativa, indica and a subspecies known as ruderalis.
- Marijuana a legal term referring to a portion of the cannabis plant that contains high levels of tetrahydrocannabinol (THC).
- Hemp Industrial use ,very little THC used for rope, clothing, textiles, paper.
- Hybrid mixing of one or two species.

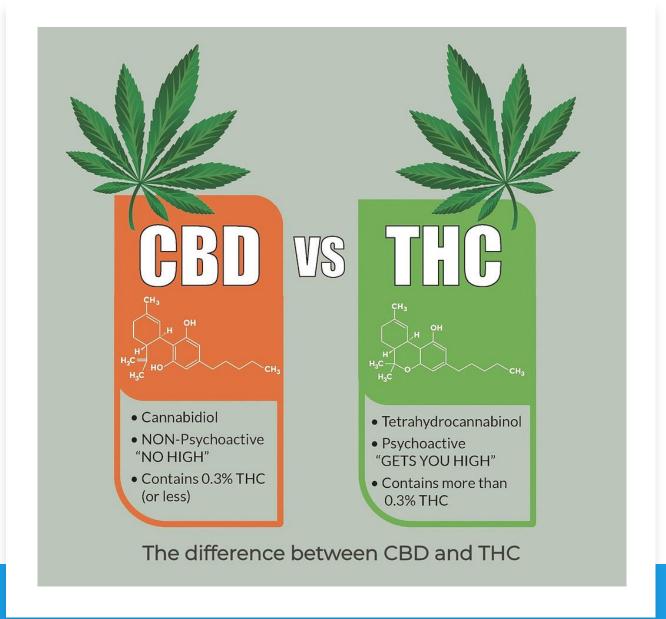


Is this Hemp or marijuana?

- May look a little different on outside.
- The chemicals inside make the biggest difference.

THC or Tetrahydrocannabinol

- THC is a cannabinoid chemical responsible for the high.
- These chemicals can be modified to enhance potency.
- Cross breeding, genetic modification and extraction methods are used to increase potency.
- Can interact with prescription medications and driving.



CBD or Cannabidiol

- CBD counter acts the THC high and does not get you high.
- Can have more of a sedative effect.
- Can also be modified and enhanced.
- FDA approved Epidiolex is a CBD medication used to treat a rare sub-set of seizure disorders.



This is for <u>legal and tested</u> products from licensed businesses!

- CA symbol for recreational product.
- The label must list the cannabinoid content in percentages (e.g. THC: 18%; CBD: 1.5%). All products must include the THC and CBD content per package. Edibles and concentrates with designated serving sizes must also list the THC and CBD content per serving.

For more info - https://www.gaiaca.com/california -cannabis-labeling-requirements/



HEALTH CARE

Pot is making people sick. Congress is playing catch-up.

Now that a growing body of evidence says marijuana is bad for you, more regulation is in the offing.



Recently a steady flow of data has emerged on the health impacts of marijuana, including emphysema in smokers and learning delays in adolescents. | Bruce Bennett/Getty Images

By **BEN LEONARD** 02/06/2023 05:30 AM EST









When Gallup asked about legalizing weed last year, two-thirds of Americans supported it — up from 12 percent when the pollster first asked in 1969.

Marijuana is the news lately

Number of young children who accidentally ate cannabis edibles jumped 1,375% in five years, study finds



By Jen Christensen and Sandee LaMotte, CNN Published 12:02 AM EST, Tue January 3, 2023









More people use weed than tobacco in the US, new poll reveals

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(CNN) - In just five years, the number of small children in the US exposed to cannabis after accidentally eating an edible rose 1,375%, a new study says.

There were more than 7,040 exposures to edible cannabis in kids under 6 between 2017 and 2021, according to an analysis of records from the National Poison Data System, a central repository for data from America's Poison Centers.

JAMA Network ⁻			
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Viewpoint

October 10, 2022

The Continued Rise of Unintentional Ingestion of **Edible Cannabis in Toddlers—A Growing Public Health Concern**

Alexandra Van Oyen, DO^{1,2}; Elise Perlman, MD³; Mark K. Su, MD, MPH^{2,4}

» Author Affiliations

JAMA Pediatr. 2022;176(11):1068-1069. doi:10.1001/jamapediatrics.2022.3530



A 2-year-old boy presents to the pediatric emergency department (ED) for altered mental status. Prior to arrival, he was with his babysitter in a normal state of health. After questioning, the babysitter mentions rewarding him with a gummy candy for good behavior. The parents admit they have edible cannabis stored in the cupboard that looks exactly like his favorite treats, gummy bears.

Almost a decade after the first states legalized the use of recreational marijuana and cannabis, health care professionals have treated countless cases of children who unintentionally ingested edible cannabis products that were not stored safely. Cannabis is the third most commonly used psychoactive substance worldwide, with use continuously rising in the US adult population. In 2019, 18% of individuals in the US reported having used cannabis products at least once. As use of cannabis continues to be decriminalized and legalized across the US for adults aged 21 years and older, there has been a concurrent increase in unintentional ingestion of cannabis edibles among children, which raises a significant public health concern. The increase in these unintentional in-



Stoned California Seniors Headed to ERs By the Thousands, **UCSD Study Says**

Story by Eric S. Page • Yesterday 9:33 AM

↑ toned seniors — and we're not talking high-school kids — are visiting emergency rooms for cannabis-related issues in unprecedented numbers, according to a new study by UC San Diego researchers.



Older Adults in ER for Marijuana

1,808% relative increase in the rate of cannabisrelated trips to the emergency department among California adults ages 65 and older from 2005 to 2019.

UC San Diego Health

MEDICAL SERVICES MAKE AN APPOINTMENT PATIENTS & VISITORS FIND A PROVIDER LOCATIONS

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Cannabis-Related Emergency Department Visits among Older Adults on the Rise

Study shows a high risk for adverse effects of cannabis use for adults ages 65 and older

January 09, 2023 | Annie Pierce

s a growing number of older adults are experimenting with cannabis to help alleviate chronic symptoms, a new University of California San Diego School of Medicine study has identified a sharp increase in cannabis-related emergency department visits among the elderly.



Cannabis use among older adults can lead to unintended consequences that require emergency care. New UC San Diego School of Medicine study highlights that education with older adults about cannabis use should be included in routine medical care. Credit Pixabay.

The study, published
Jan. 9, 2023 in the
Journal of the American
Geriatrics Society, &,
identified a 1,808%
relative increase in the
rate of cannabis-related
trips to the emergency
department among
California adults ages 65
and older from 2005 to

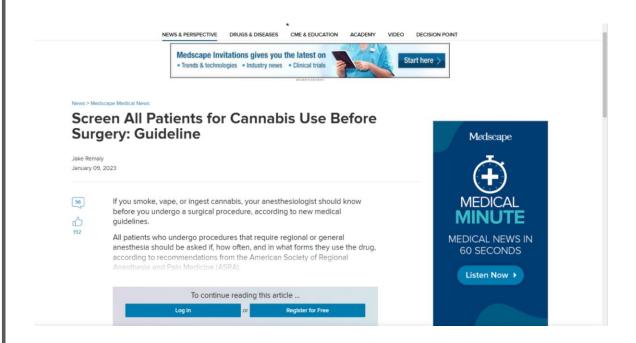
Screen All Patients for Cannabis Use Before Surgery: Guideline

Screen All Patients for Cannabis Use Before Surgery: Guideline

https://www.medscape.com/viewarticle/986690

- All patients who undergo procedures that require regional or <u>general anesthesia</u> should be asked if, how often, and in what forms they use the drug, according to recommendations from the American Society of <u>Regional Anesthesia</u> and Pain Medicine (ASRA).
- One reason: Patients who regularly use cannabis may experience worse pain and nausea after surgery and may require more opioid analgesia, the group said.
- Kenneth Finn, MD, president of the American Board of Pain Medicine, welcomed the publication of the new guidelines. Finn, who practices at Springs Rehabilitation in Colorado Springs, Colorado, has edited a textbook about cannabis in medicine and founded the <u>International Academy on the</u> Science and Impact of Cannabis.

"The vast majority of medical providers really have no idea about cannabis and what its impacts are on the human body," Finn said



Cannabis Use Disorder



Why now?

- More access
- Higher potency
- The media largely ignored the issue for many years.
- Covid
- The medical community is playing catch up!

High potency weed linked to psychotic episodes, mysterious vomiting illness in young users

"It felt like Edward Scissorhands was trying to grab my intestines and pull them out," a Colorado man told NBC News.



More access more dependance

As for Marijuana dependence, referrals to treatment, can be higher in states that legally protect dispensaries for both adults and youth.





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J Policy Anal Manage, Author manuscript; available in PMC 2015 Feb 3.

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NIHMSID: NIHMS625422

PMID: 25558490

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Assessing the Effects of Medical Marijuana Laws on Marijuana Use: The Devil is in the Details

Rosalie Liccardo Pacula, Ph.D., David Powell, Ph.D., Paul Heaton, Ph.D., and Eric L. Sevigny, Ph.D.

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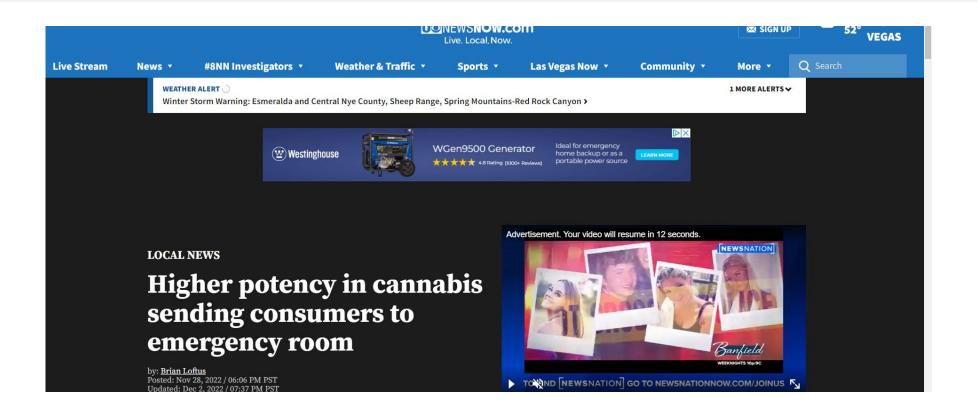






More psychoactive

- Bud upwards of 30%THC
- Edibles and Vapes 90% THC
- Many dispensaries do not sell products less than 50% THC



The plant

Buds are the flowers of the female plant.

The female plant produces resin secreting buds. They contain the chemicals that get you high.

Oils and waxes are made using solvents and equipment to extract the resin.





Marijuana extraction equipment

Using Solvent

- Ethanol (one of the most popular forms of extraction)
- CO2 Supercritical
- Hydrocarbon (butane, propane)
- Oils: Olive, coconut, vegetable.
- Combining different methods (e.g. injecting ethanol into CO2)



How high is too high?

- There is absolutely no research that indicates this level of THC is beneficial for any medical condition.
- The purpose of these products is to produce a high, and the increased potency makes them potentially more dangerous and more likely to result in addiction.





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The Problem with the Current High Potency THC Marijuana from the Perspective of an Addiction Psychiatrist

Elizabeth Stuyt, MD[™]

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Advocates for the legalization of medical and retail marijuana are quick to point out all the possible benefits that a community might see from such a venture. These include increased jobs, increased tax revenue, possible medical benefits and they advertise it as "safe" and "healthy" and "organic." They utilize the words "cannabis" and "marijuana" for everything without differentiating between the different forms of cannabis that can have very different effects on the mind and body.

Many people who have voted for legalization thought they were talking about the marijuana of the



Use has changed



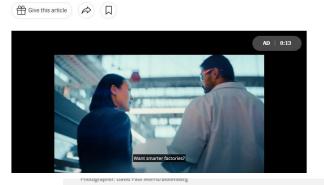
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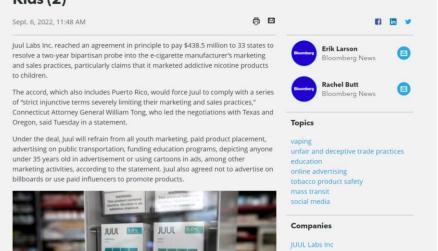
The New York Times

Juul Bought Ads Appearing on Cartoon Network and Other Youth Sites, Suit Claims

The case, brought by Massachusetts after a lengthy investigation, presents some of the strongest evidence the vaping company was marketing to teenagers.





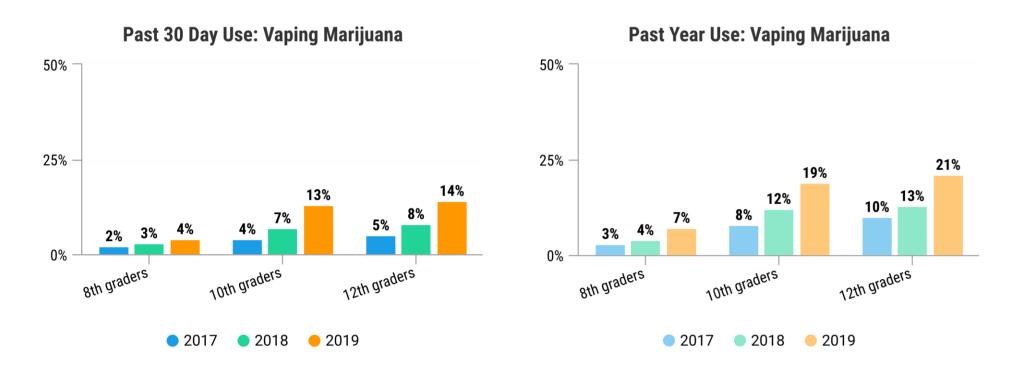


A growing issue among youth!

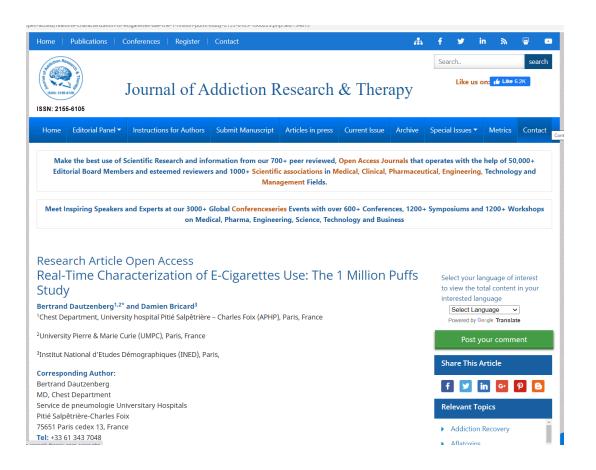
Among youth, e-cigarettes, especially the disposable kind, are more popular than any traditional tobacco product.

According to the <u>2021 National Youth Tobacco Survey</u>, more than 2 million U.S. middle and high school students reported using e-cigarettes in 2021, with more than 8 in 10 of those youth using flavored e-cigarettes.

Monitoring the Future – National Data



Increases in adolescent marijuana vaping from 2018 to 2019 ranked among the largest single-year increases ever observed by MTF in the past 45 years among all outcomes ever measured.



Frequency of puffing

The median number of puffs per day was 132

These devices are common among youth. Stizzy pens pre-loaded about 65-95%THC Cost \$65 - \$95.00







Vaping vs Smoking

Vaping marijuana produces a greater psychological and physiological effect compared to traditional smoking methods.

A recent study by John Hopkins found that THC levels in blood samples after vaping are much greater compared to levels found after smoking.









Marijuana can be infused in any food, lotion or drink.

The gummies and other colorful candies are driving the cases of unintentional poisonings locally.

Adult use of edibles

- Can take longer to feel the effects.
- Edibles generally contain higher amounts of THC.
- In some cases, users report highs from 8 hours to a day.
- Can interact with driving and prescription meds.







Recreational Use: A retailer may sell up to 1 ounce of marijuana flower, or 8 grams of concentrate, or 800-milligram servings of edible product, or more than 6 seeds in a day to a customer.

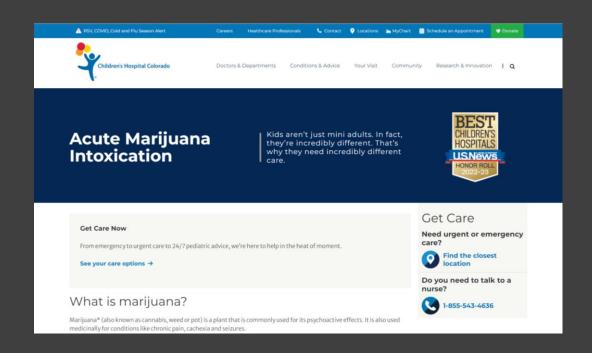


Children's Hospital Colorado

• The most common overdose incidents in children occur when the drug has been combined with food in an "edible" form of marijuana. This is because marijuana ingested in this manner can have a stronger and prolonged effect, especially in children under the age of 12 years old.

In these instances, kids mistake "edible" marijuana (like gummy bears, brownies, lollipops, etc.) for regular food and eat it unknowingly.

• Small children are at higher risk based on their size and weight. Because edible products have very high amounts of marijuana, the symptoms are more severe on a small child. Many young children who consume marijuana edibles require hospital admission due to the severity of their symptoms.



Mouthing for babies

- Babies feel things with lips and tongue, texture, taste, shapes
- Relieving pain of teething
- Explore the world
- Self soothing







What happens when children eat THC products?

- Children are drawn to sweet cookies, candies and baked goods.
- Once out of the package no way of knowing what is inside.

Increasing poison control calls and ER visits, the result of allowing food products to be marketed and sold with harmful unseen chemicals inside.



THC poisonings have variety of symptoms.

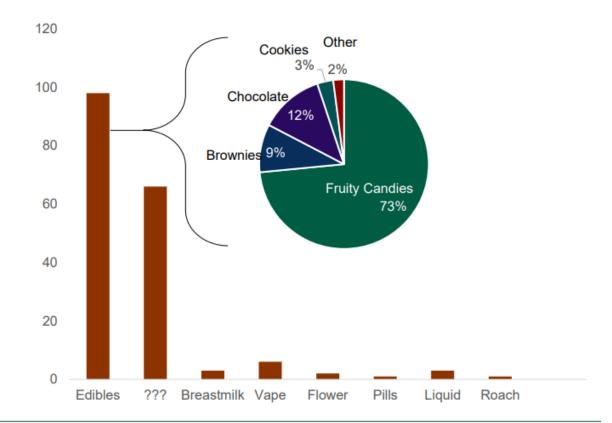
- Seizures
- Sleepiness
- Confusion/Panic
- Heart issues
- Upset stomach
- Mistaken for other illicit drugs

What products are driving the increase?

- Fruit candies
- Chocolates
- Vape/juice

Analysis of THC Positive Urine at RCHSD from 2014-2022 Preliminary Data and Trends Alexandra Dubinin and Dr. Natalie Laub

Reported THC Formulation Among THC+ Utox Patients at RCHSD (2014 – 2022)







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Cannabis

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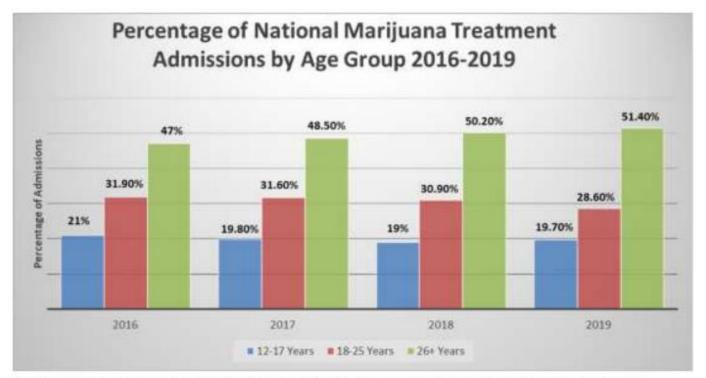
Cannabis, also known as marijuana, pot, weed, ganja, Mary Jane, and a vast number of other names, is the dried leaves, flowers, stems, and seeds from the *Cannabis sativa* or *Cannabis indica* plant. The plant contains tetrahydrocannabinol (THC), a mind-altering chemical.

When a person smokes cannabis, THC passes from the lungs into the bloodstream, which carries the chemical to the brain and other organs throughout the body. The effects are felt more slowly when a person eats (edibles) or drinks cannabis.

THC overactivates certain brain cell receptors, resulting in effects such as:

- Altered senses
- · Changes in mood
- Impaired body movement
- Difficulty with thinking and problem-solving

Treatment Episode Data Set (TEDS): Compiles client-level data for substance abuse treatment admissions from State Agency data systems. State data systems collect data from facilities about their admissions to treatment and discharges from treatment. TEDS is an admission-based system, but it does not include all admissions.



Source: Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration (SAMHSA), Treatment Episode Data Set (TEDS).

Note: Numbers based on administrative data reported by states to TEDS through January 3, 2022.

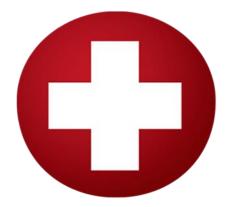
Nationally from 2016 to 2019, the highest percentage of marijuana treatment admissions were amongst those 26 years and older.



5 Reasons for local marijuana related hospital visits

- Drug Interactions
- Accidents/Injury
- Cannabis Hyperemesis
- Mental Health
- Poisonings

Local ER visits

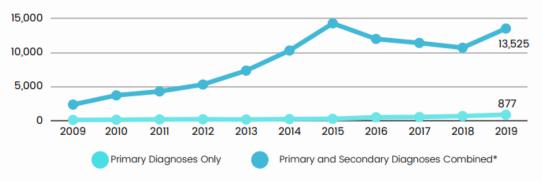


37

ER visits a day in San Diego County hospitals related to marijuana.

Marijuana-Related Emergency Department Discharges

Number of Emergency Department (ED) Discharges for Marijuana-Related Diagnoses in San Diego County, 2009-2019



690% increase

in ED discharges with marijuana listed as a **primary diagnosis**, from 111 in 2009 to 877 in 2019.



473% increase

in ED discharges with marijuana as a primary or secondary diagnosis combined, from 2,362 in 2009 to 13,525 in 2019.

*Indicates cases where either the primary or secondary diagnosis upon discharge was marijuanarelated. For most secondary cases, individuals came into the ER for something else (e.g., broken arm, injury, flu, etc.) and cannabis use was added as a secondary diagnosis. In these cases, the drug use may or may not have contributed to the reason for the ER visit

CA Poison Control

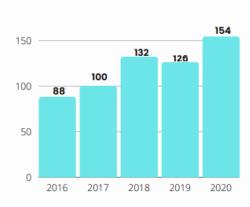
- 75% Increase in marijuana poison control cases in SD County since 2016 (Prop 64).
- 242% increase since 2011.

San Diego County Poison Control Data

The below graph displays the number of unduplicated cases handled by the California Poison Control Center for calls related to marijuana exposure from persons living in San Diego County. Each year displayed includes all persons of any age and dispositions/outcomes for the cases, including cases "resolved on-site" (i.e., from the location of the call), "treated/released from health care facility," and "admitted to health care facility."

Number of Marijuana Human Exposure Cases for San Diego County, 2016-2020

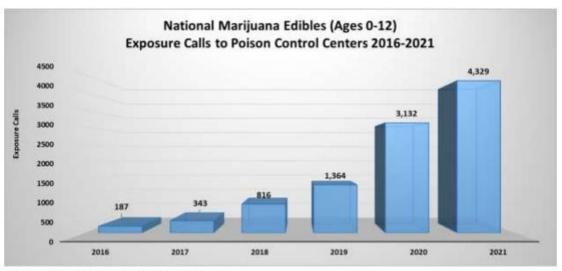
200



75% increase

in marijuana
exposure cases in San
Diego County handled
by the California
Poison Control Center
since 2016.





Source: Association of Poison Control Centers

Note: Data collected as of June 6, 2022. Numbers may change as cases are closed or additional information is received.

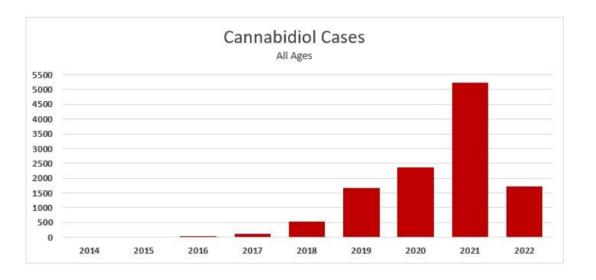
National marijuana edibles exposure calls for ages 0-12 from 2016 (187) to 2021 (4329) has increased by 2215%.

National Poison Control

- Poisoning calls for marijuana edibles
- Cases increased during Covid lockdown

National Poison Control Cases CBD

As of March 31, 2022, poison control centers have managed 1,717 cases in 2021 related to cannabidiol.



FOR THE MEDIA:

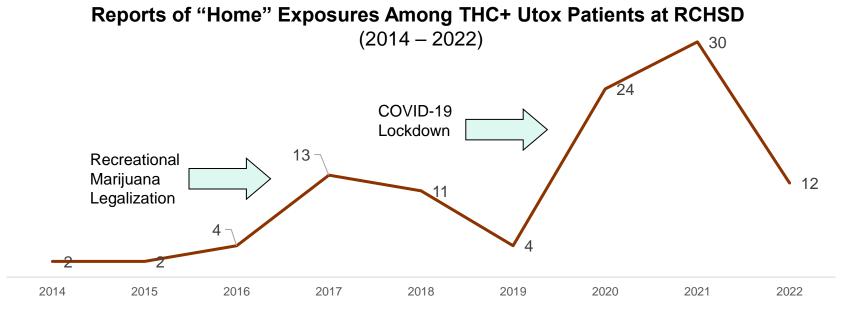
Please cite this data as "National Poison Data System, American Association of Poison Control Centers." Any and all print, digital, social, or visual media using this data must include the following: "You can reach your local poison control center by calling the Poison Help hotline: 1-800-222-1222. To save the number in your mobile phone, text POISON to 797979." Email media@aapcc.org or call 703-894-1863 for more information, questions, or to submit request data.

THC Positive Urine Toxicology Encounters at Rady Children's from Jan 2014- June 2022





Home exposure summary - Courtesy of Rady's Children's



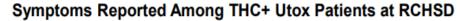
Analysis of THC Positive Urine at RCHSD from 2014-2022 Preliminary Data and Trends Alexandra Dubinin and Dr. Natalie Laub

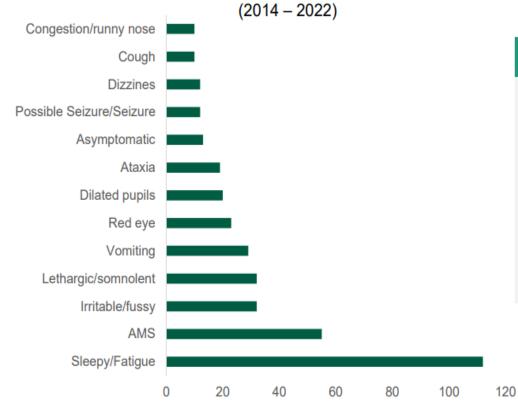
Summary of cases:

- Whose marijuana Mom
- What type of marijuana product Edibles (fruity candies/gummies)
- Where did the exposure occur Home
- How children present Heart arrhythmia, altered mental status, fatigue, fussiness, vomiting.
- 10% of the cases were so severe they required stays in the pediatric intensive care unit.



Symptoms Reported





Symptoms

- Overall, the most common symptoms included fatigue, altered mental status, fussiness, lethargy, vomiting, and ocular symptoms
- Symptoms reported in <5% included hypotonia, hallucinations, slurred speech, increased oral intake, nystagmus, difficulty breathing, diaphoresis, headache, clonus, lip cyanosis, abnormal coordination, and joint swelling
- 13 out of 180 children were asymptomatic

Symptoms Reported

Chief Concern

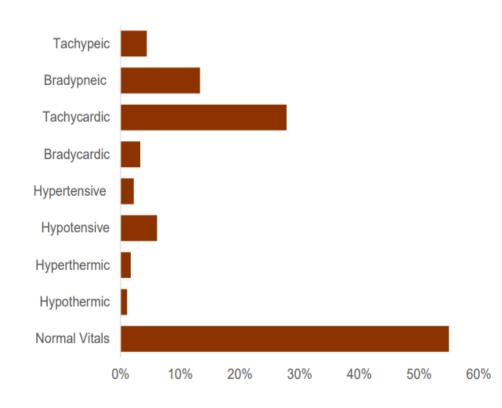
- 45% Ingestion/Drug overdose
- 31% Altered Mental Status
- 11% Fatigue

Vital Signs

- Overall, >50% of children had normal vitals
- Tachycardia and Bradypnea were the most common irregularities seen



Vital Signs of THC+ Utox Patients at RCHSD



What is Delta 8 THC?







Emergency Preparedness and Response

Resources for Emergency Health Professionals > Health Alert Network (HAN) > HAN Archive > 2021 ★ Health Alert Network (HAN) **HAN Jurisdictions HAN Message Types** Sign Up for HAN Updates **HAN Archive** 2021 HAN00453 HAN00452 HAN00451 HAN00450 HAN00449 HAN00448

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





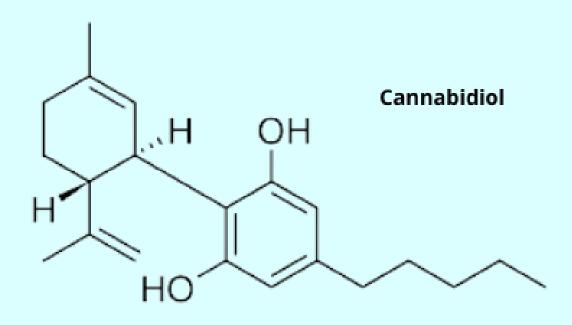
Distributed via the CDC Health Alert Network September 14, 2021, 10:00 AM ET CDCHAN-00451

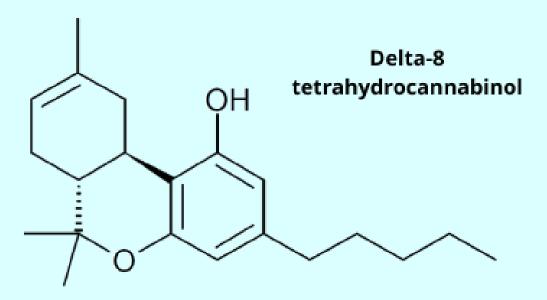
Summary

The purpose of this Health Alert Network (HAN) Health Advisory is to alert public health departments, healthcare professionals, first responders, poison control centers, laboratories, and the public to the increased availability of cannabis products containing delta-8 tetrahydrocannabinol (THC) and the potential for adverse events due to insufficient labeling of products containing THC and cannabidiol (CBD).

Background

Marijuana, which can also be called weed, pot, or dope, refers to all parts of the plant Cannabis sativa L., including flower,





Delta 8 THC

- Delta 8 is made from CBD from the Hemp plant which is converted by using a solvent into Delta 8.
- The conversion of CBD to delta-8-THC involves refluxing CBD in an organic solvent, such as toluene or heptane, with acid that serves as a catalyst. The reaction is typically run for 60–90 min.

FDA Warning Delta 8



- Delta-8 THC is one of over 100 cannabinoids produced in the *Cannabis sativa* L. plant but is not found naturally in significant amounts.
- Concentrated amounts of delta-8 THC are typically manufactured from hemp-derived cannabidiol (CBD) and have psychoactive and intoxicating effects.



FDA reports

The FDA received 104 reports of adverse events in patients who consumed delta-8 THC products between December 1, 2020, and February 28, 2022. Of these 104 adverse event reports:

- 77% involved adults, 8% involved pediatric patients less than 18 years of age, and 15% did not report age.
- 66% described adverse events after ingestion of delta-8 THC-containing food products (e.g., brownies, gummies).

Adverse events included, but were not limited to: hallucinations, vomiting, tremor, anxiety, dizziness, confusion, and loss of consciousness.

Delta 8 Exposure Cases – National Poison Control

National poison control centers received 2,362 exposure cases of delta-8 THC products between January 1, 2021 (i.e., date that delta-8 THC product code was added to database), and February 28, 2022.

Of the 2,362 exposure cases:



- •58% involved adults, 41% involved pediatric patients less than 18 years of age, and 1% did not report age.
- •40% involved unintentional exposure to delta-8 THC and 82% of these unintentional exposures affected pediatric patients.
- •70% required health care facility evaluation, of which 8% resulted in admission to a critical care unit; 45% of patients requiring health care facility evaluation were pediatric patients.
- •One pediatric case was coded with a medical outcome of *death*.

FDA Warning Letters



FDA NEWS RELEASE

FDA Issues Warning Letters to Companies Illegally Selling CBD and Delta-8 THC Products

Violations Include Marketing Unapproved New Drugs, Misbranding, Adding Delta-8 THC to Food
Products



Today the U.S. Food and Drug Adm

More Press Announcements

Today, the U.S. Food and Drug Administration issued warning letters to five companies for selling products labeled as containing delta-8 tetrahydrocannabinol (delta-8 THC) in ways that violate the Federal Food, Drug, and Cosmetic Act (FD&C Act). This action is the first time the FDA has issued warning letters for products containing delta-8 THC. Delta-8 THC has psychoactive and intoxicating effects and may be dangerous to consumers. The FDA has received reports of adverse events experienced by patients who have consumed these products.

There are no FDA-approved drugs containing delta-8 THC. Any delta-8 THC product claiming to diagnose, cure, mitigate, treat, or prevent diseases is considered an unapproved new drug. The FDA has not evaluated whether these unapproved drug

Content current as of: 05/04/2022

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FDA Letters

- An uptick in adverse event reports to the FDA and the nation's poison control centers.
- Marketing, including online marketing of products, that is appealing to children.
- Concerns regarding contamination due to methods of manufacturing that may in some cases be used to produce marketed delta-8 THC products.



Vape juice poisoning

Liquid nicotine is the liquid inside an ecigarette or vaping device and is also called "vape juice" or "e-liquid."

The product is dangerous to swallow and can even be absorbed if spilled on the skin. As little as one teaspoon could be harmful.

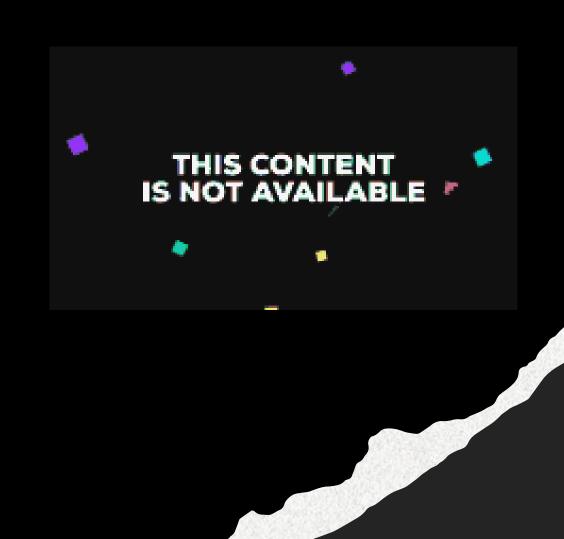
Nicotine poisoning often causes nausea, vomiting, dizziness, tremors (shakiness), and sweating, and can make the heartbeat much faster than normal. Severe poisoning can cause seizures. It can even cause death. Seizures can begin only 20-30 minutes after swallowing products containing nicotine.

Other chemicals in vape cartridge

- THC, CBD, Nicotine
- **Terpenes:** Vape cartridges may contain both cannabis and non cannabis derived terpenes.
- **Hydrosols:** Floral or aromatic waters (i.e., essential oils) and contain only small percentages of actual terpenes.
- Artificial flavors: The artificial flavors found in cannabis cartridges are sourced from the e-cigarette industry. There are thousands of flavors, but their safety is in question (e.g., diacetyl causing "popcorn lung").
- **Vitamin E acetate**: is an oily chemical commonly added to THC vaping liquids to dilute or thicken the mixture.
- **Propylene glycol, vegetable glycerin, glycerol**: responsible for the mist/vapor.

Black Market products

Does the label match the contents?



CALIFORNIA

California's legal weed industry can't compete with illicit market

Local government opposition, high taxes and competition from unlicensed businesses are complicating the state's push to build a thriving legal market.



California's cannabis law lets local officials decide whether to open the door to cannabis or slam it shut. So far, most are opting for the latter. | Justin Sullivan/Getty Images

By ALEXANDER NIEVES 10/23/2021 07:00 AM EDT









The illegal market that never goes away!







Search

Customers Providers About News Contact

IDHS > Customers > Services by Division > Mental Health >

Crisis/Emergency: Mental Health Partners/Providers

The Illinois Department of Human Services/Division of Mental Health is expanding the crisis services continuum to support the SAMHSA Crisis Services: Meeting Needs, Saving Lives initiative. This effort aims to establish a continuum of crisis services available for anyone, anywhere, and at any time. Program 590 is a specific DMH grant that supports infrastructure and capacity of a community crisis care continuum.

The following list of providers have received funding to develop this capacity.

CITY	PROVIDER INFO	PHONE
Anna	Arrowleaf	618-658-2611
	https://myarrowleaf.org	
	204 South St. 62906	
Arlington Heights	Alexian Brothers Center for Mental Health www.amitahealth.org/centerformentalhealth	708-681-4357
	3436 N. Kennicott Ave. 60004	
Aurora	Association for Individual Development https://www.aidcares.org/	630-966-9393
	1230 N. Highland Ave. 60506	
Berwyn	Pillars Community Services https://pillarscommunityhealth.org/	708-745-5277
	6918 Windsor Ave 60102	

Online Tools

Apply for Cash, SNAP & Medical **Assistance**

Change of Address, Income or **Assets**

Manage My Illinois Link Account

Rehabilitation Services: Apply Online

Child Care Eligibility Calculator

SNAP Eligibility Calculator

Office Locator

San Diego County Office of Education Safe Handling of Vape Pen Guidelines



San Diego County Office of Education **Main Camp**u 6401 Linda Vista Road, San Diego, CA 921 858-292-3500 | www.sdcoe.ne

E-Cigarette Recommended Guidelines

Confiscation and Handling

- Students caught with vaping devices should be referred to designated staff (Administrator, Nurse, or SRO) to confiscate. Once confiscation is complete, the student should be referred to an intervention program for violating the tobacco free policy. (see tiered intervention recommendations.)
- Gloves and plastic bags should be available at the location the device is confiscated, as liquid nicotine is acute hazardous waste and can be absorbed through skin.
- Gloves should be worn anytime a vaping device is being handled.
- The device should be put into a plastic bag and sealed.

Handling & Storage

- Devices should be stored in individual, sealed plastic bags then put in a closed, non-reactive container. Recommended containers include plastic or lined metal containers.
- · Devices can be stored together in a container if they are individually bagged.
- · One central location for individually bagged devices to be kept (Security office, AP office, etc.)
- Devices with removeable batteries or cartridges should be separated. Batteries and device should be bagged separately.
- Devices not meant to come apart (disposables) should not be taken apart.

For Disposal

- District registers as a hazardous waste receiver with County HazMat or contract with local agencies such as Clean Harbors to collect waste.
- County HazMat is \$504/year + \$81/item/year for permit. Clean Harbor and other agencies charge on a case-by-case basis depending on volume, waste stream, and frequency of pick-ups.
- District office facilitates hazardous waste pick up from schools.
- District should either empty school container into larger container for transport or swap out full
 container with an empty container at the school site.
- Store all waste at the district office until it is necessary to take to County HazMat or picked up by contracted agency.
- An alternative would be to notify parents to pick up the individually sealed devices. If parents
 pick up devices, they should be given information on the hazardous waste implications of vaping
 devices, as well as information on the addictive nature and potential harm associated with
 vaping devices.

Proper handling and disposal of E-cigarettes and other vaping devices



Always wear new nitrile gloves when handling e-cigarettes and vaping devices





Place all confiscated parts into a sealed container or bag for storage. This includes:

- · Devices and batteries
- E-liquids and bottles
- Tanks, cartridges, and pods





Transport to a hazardous waste disposal site. To find the nearest location, visit:

https://www.calrecycle.ca.gov/HomeHazWaste/Directory/





Handle e-cigarettes with bare hands



PublicHealth

Rinse or throw e-liquids in the sink or toilet



Throw any component in the trash or recycling bin

Did you know?

Marijuana may cause drug interactions with your medications

Chemicals found in marijuana such as Tetrahydrocannabinol (THC) and Cannabidiol (CBD) may interact with medications.

Common drugs that cause interactions include:

- Sedatives
- Anti-Anxiety medications
- Anti-Depressant medications
- Pain medications
- Seizure medications
- Blood Thinners

It is always recommended to inform your Doctor or health care provider of any substances you may be taking.



Drug Interactions

Use the site Drugs.com to check for interactions.

Visit drugs.com



Ask A Doctor!

- If you have questions about marijuana, ask a Doctor, nurse practitioner or physician assistant.
- Remember there may be unknown ingredients and chemicals in products that do not appear on the label.





Items to discuss with Administration!

- Do you document the incident
- Does the school have a Protocol, take pictures of product, document packaging, symptoms, notify parent and staff.
- Interventions

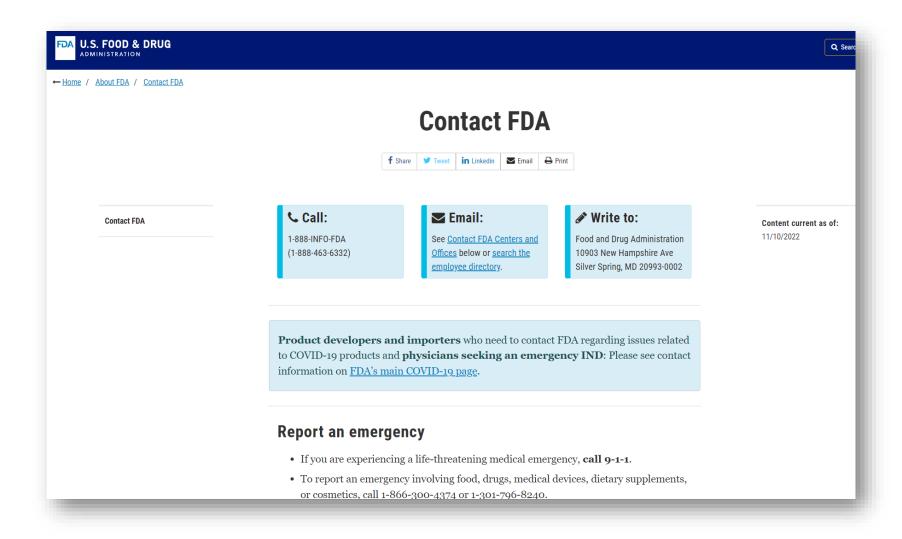
Teachable moment!



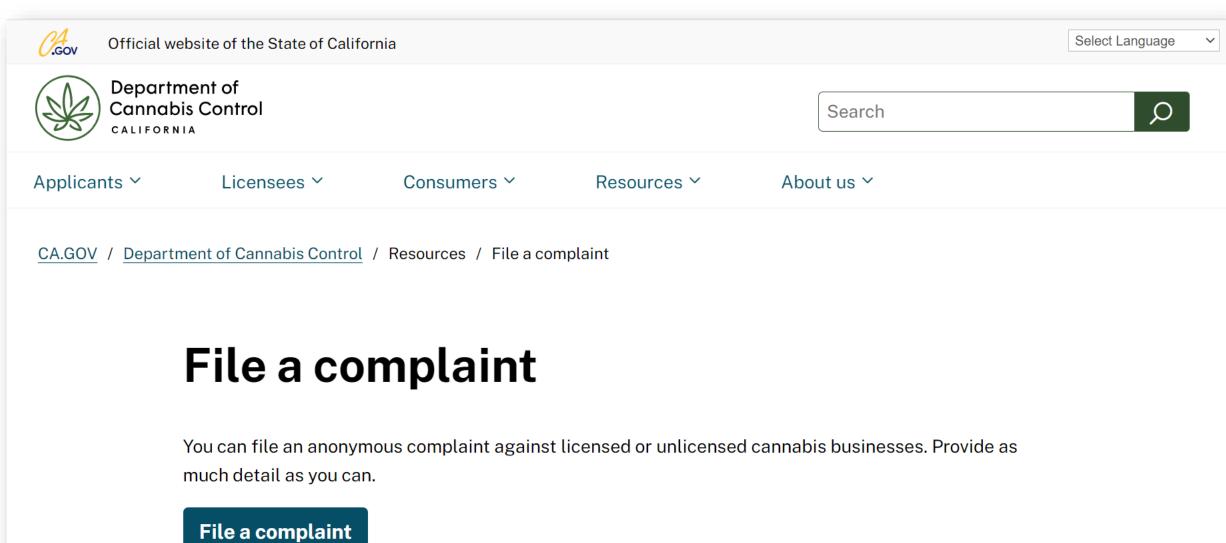
Advocate for child proof packaging

- Do not use in front of children.
- Store away from children.
- Do not leave individual candies or products outside the wrapper.
- Speak with your older children about the effects.

FDA complaint system



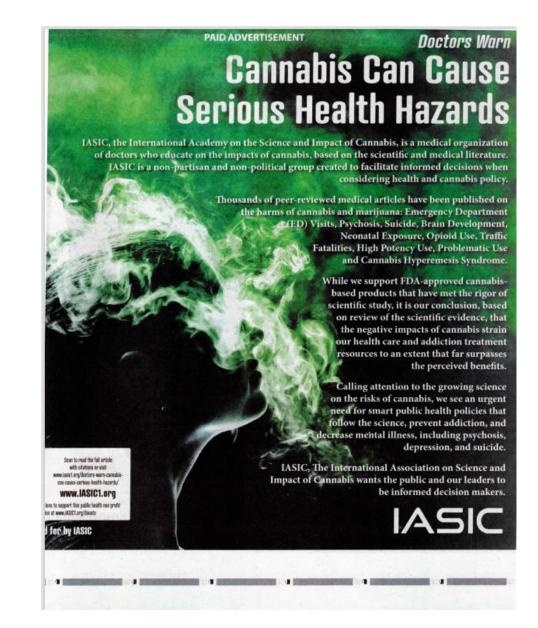
Know how to file a complaint - CA



IASIC

- Doctors advocating for public health in marijuana policy.
- Pushing back on the marijuana industry.

Join their email list IASIC1.org



Data Resources

- ABCD study https://abcdstudy.org/
- CDC Cannabis Strategy https://www.cdc.gov/marijuana/index.htm
- National Poison Control Data https://www.poison.org/
- HIDTA CA Marijuana Impact Reporthttps://www.ccrconsulting.org/media/attachmen ts/2023/02/07/california-marijuana-impact-report-2022-final.pdf

- Tools for Schools -<u>https://www.livewellsd.org/content/livewell/home/tools-forschools/tools-for-schools.html</u>
- Getting it Right from the Start https://gettingitrightfromthestart.org/
- NIDA https://nida.nih.gov/research-topics/cannabis-marijuana

Focused MPI Trainings - 2023

Trainings for staff on how to refer kids to early intervention and treatment programs.

Parent nights where extra credit is given to youth that bring adults.



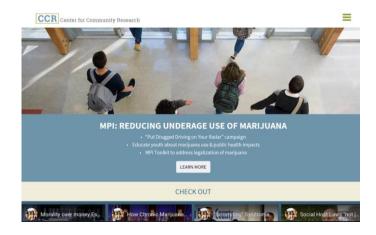
MPI Resources

MPI reducing underage use of marijuana.

Resources:

- IASIC link
- Vision Zero DUI
- NEW-MPI 2021 Report

Visit our MPI website, YouTube or twitter: http://www.ccrconsulting.org/mpi









Transition to Patrick Foley



