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# INFORMATION ON VAPING

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**Joe Eberstein, CPS**

*Program Manager for Center for Community Research, San Diego  
County Marijuana Prevention Initiative*

*SAMSHA Region 9 PTTC Advisory Board Member*



## Marijuana Prevention Initiative Goal

The San Diego County Marijuana Prevention Initiative (MPI) works to reduce **youth** access to marijuana by **increasing public awareness** about the adverse effects resulting from youth marijuana use.



Me as a child in the 80s!



# Me as an adult.

- I have had asthma since the age of 14.
- I have been hospitalized for asthma attacks several times.
- My Dad passed away from COPD.
- My Mom still smokes at 78.
- “I don’t need Aquanet” anymore sadly!

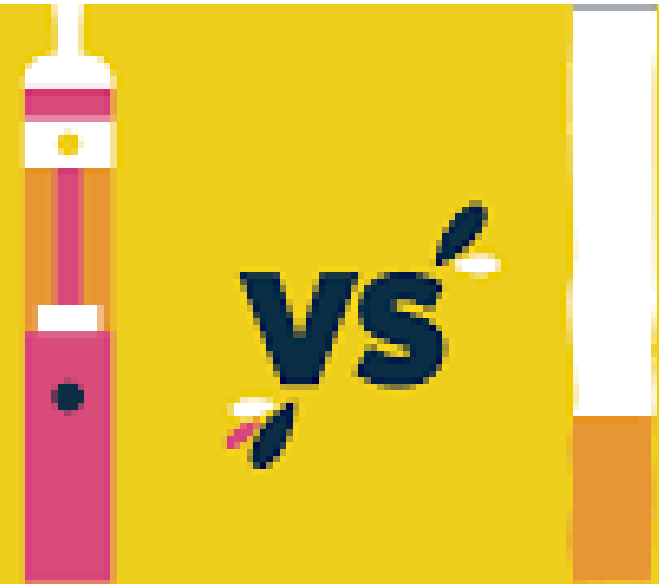


# Are people trying to quit smoking by vaping?

Based on projected models, it is estimated that for every 1 adult who quits cigarettes using e-cigarettes, 80 adolescents who never smoked will eventually become daily cigarette smokers through e-cigarette use.



**Is vaping better for you than smoking cigarettes?**





# Why vape?

- Rolling a traditional joint takes time with separating the plant material.
- It is much stealthier to use a vape.
- Less of a smell.





## 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.

Give this article



Photographer: Anna Paul Morris/Bloomberg

## Juul Reaches \$439 Million Settlement Over Marketing to Kids (2)

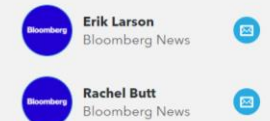
Sept. 6, 2022, 11:48 AM



Juul Labs Inc. reached an agreement in principle to pay \$438.5 million to 33 states to resolve a two-year bipartisan probe into the e-cigarette manufacturer's marketing and sales practices, particularly claims that it marketed addictive nicotine products to children.

The accord, which also includes Puerto Rico, would force Juul to comply with a series of "strict injunctive terms severely limiting their marketing and sales practices," Connecticut Attorney General William Tong, who led the negotiations with Texas and Oregon, said Tuesday in a statement.

Under the deal, Juul will refrain from all youth marketing, paid product placement, advertising on public transportation, funding education programs, depicting anyone under 35 years old in advertisement or using cartoons in ads, among other marketing activities, according to the statement. Juul also agreed not to advertise on billboards or use paid influencers to promote products.

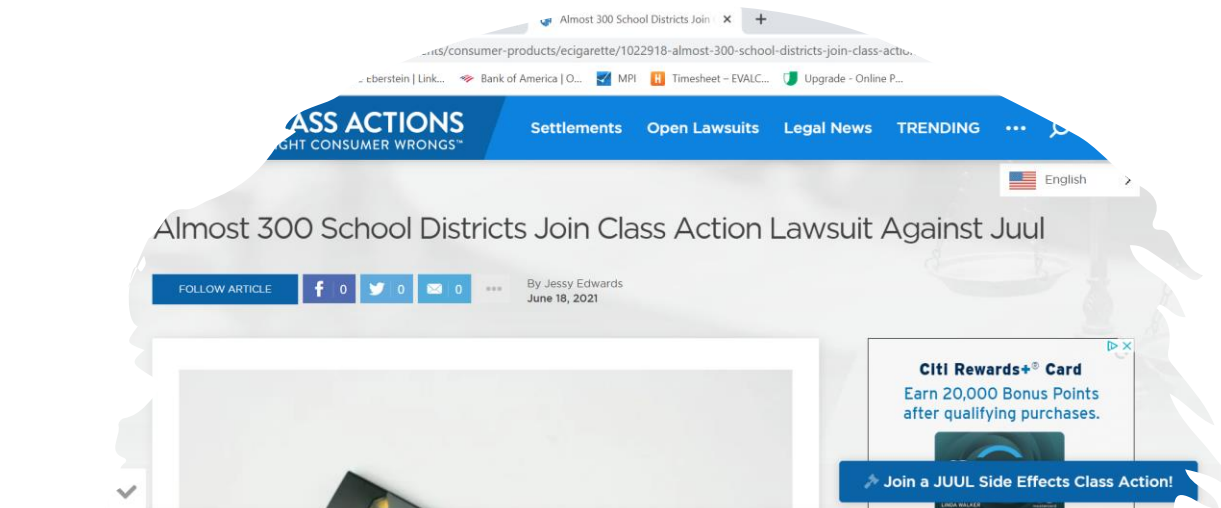


### Topics

vaping  
unfair and deceptive trade practices  
education  
online advertising  
tobacco product safety  
mass transit  
social media

### Companies

JUUL Labs Inc






## A growing issue among youth!

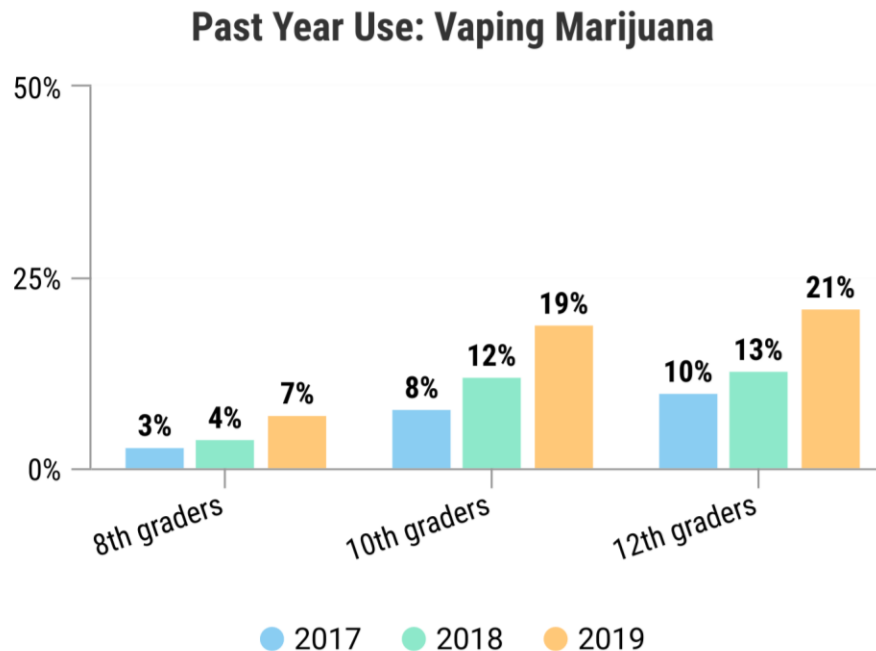
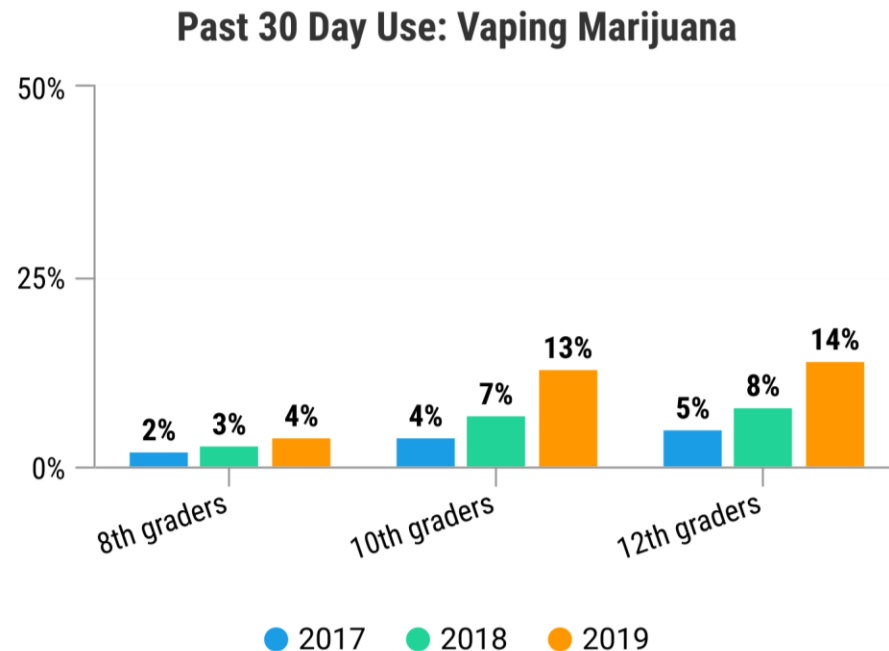
Among youth, e-cigarettes, especially the disposable kind, are more popular than any traditional tobacco product.

According to the [2021 National Youth Tobacco Survey](#), 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.**

Journal of Addiction Research & Therapy

ISSN: 2155-6105

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Research Article Open Access  
Real-Time Characterization of E-Cigarettes Use: The 1 Million Puffs Study

Bertrand Dautzenberg<sup>1,2\*</sup> and Damien Bricard<sup>3</sup>

<sup>1</sup>Chest Department, University hospital Pitié Salpêtrière – Charles Foix (APHP), Paris, France

<sup>2</sup>University Pierre & Marie Curie (UMPC), Paris, France

<sup>3</sup>Institut National d'Etudes Démographiques (INED), Paris,

**Corresponding Author:**  
Bertrand Dautzenberg  
MD, Chest Department  
Service de pneumologie University Hospitals  
Pitié Salpêtrière-Charles Foix  
75651 Paris cedex 13, France  
Tel: +33 61 343 7048

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Relevant Topics

- ▶ Addiction Recovery
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# Frequency of puffing

The median number of puffs per day was 132

# A few facts about vaping

- Research from The Johns Hopkins University on vape ingredients published in October 2021 reveals thousands of chemical ingredients in vape products, most of which are not yet identified.
- Among those the team could identify were several potentially harmful substances, including caffeine, three chemicals never previously found in e-cigarettes, a pesticide and two flavorings linked with possible toxic effects and respiratory irritation.

## 5 Vaping Facts You Need to Know



[Mens Health](#) [Heart Health](#) [Know Your Heart Risks](#)

Reviewed By:



Michael Joseph Blaha, M.D., M.P.H.

If you have thought about trying to kick a smoking habit, you're not alone. Nearly 7 of 10 smokers say they want to stop. Quitting smoking is one of the best things you can do for your health — smoking harms nearly every organ in your body, including your heart. Nearly one-third of deaths from heart disease are the result of smoking and secondhand smoke.

You might be tempted to turn to electronic cigarettes (e-cigarettes, vape pens, and other nondisposable and disposable vaping devices) as a way to ease the transition from traditional cigarettes to not smoking at all. But is smoking e-cigarettes (also called vaping) better for you than using tobacco products? Can e-

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### RELATED



[Vape Flavors: What You Need to Know](#)

[What Does Vaping Do to Your Lungs?](#)

[Will Vaping Lead Teens to](#)



# 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.







# Vaping History



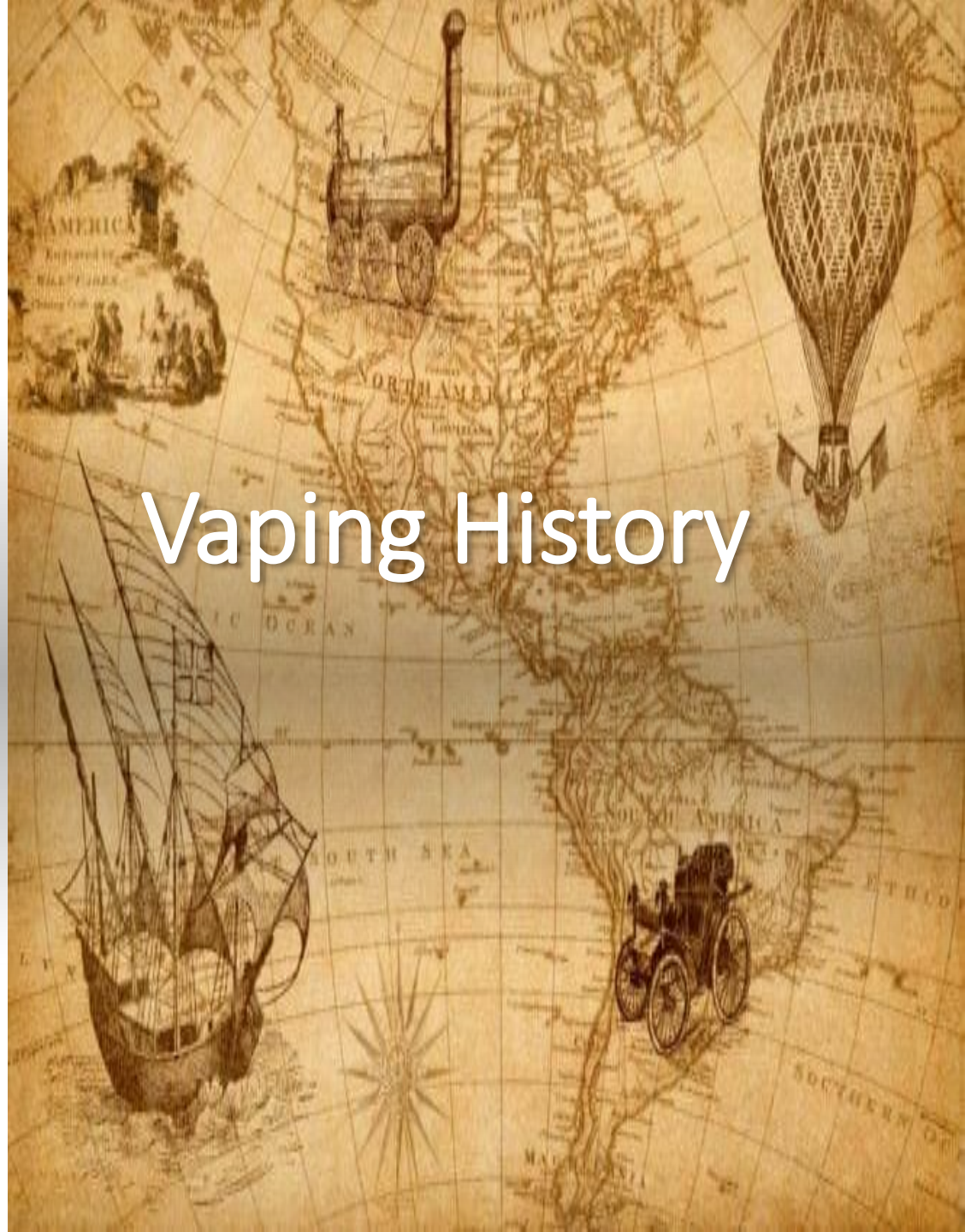
1927 – Joseph Robinson first U.S. patent for a vaping device. Developed due to risk of burns from cigarettes.

2003 - The e-cigarette as we know today invented by pharmacist Hon Lik.

2006 – Devices introduced to U.S. Markets

2010 - Vaping became more of a mainstream product. Blu and JUUL companies marketed heavily to youth via social media.

# Vaping History







Several different vape products

# Smoking, dabbing and vaping

- **Smoking** involves the actual burning of the plant material and inhaling the smoke with the use of a pipe, blunt etc.
- **Dabbing** involves heating an implement—often called a nail—to a much higher temperature, then using it to burn a thick and potent cannabis extract and inhale it through a pipe of some kind.
- **Vaping** involves the use of a liquid extract in a vape device either in a pre-filled cartridge or reusable cartridge.





# Potency Increase

Tobacco products - One JUUL pod contains 20 cigarettes worth of nicotine.

Potency for THC vapes (THC psychoactive chemical)

- Herb - 33% THC
- Oils in vapes - 99% THC



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

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# Vape products sold without testing

**NO TESTING**

**NO TESTING**

- **Vaping devices** have never been fully researched to determine health impacts.
- These products are considered hazardous waste.
- EVALI and other lung issues have been linked to use of these devices.
- The FDA does not currently require testing of all the substances in e-cigarettes

# Aerosol not vapor!

Aerosol is a more accurate description than vapor, as e-cigarette clouds have been shown to contain harmful chemicals that may hang in the air and settle on nearby surfaces.

sciencealert

Trending



(Antonio Garcia/EyeEm/Getty Images)

## HEALTH

### E-Cig Clouds Aren't 'Vapour', Scientists Warn. That Word Just Makes Them Sound Safer

CARLY CASSELLA 18 SEPTEMBER 2020

Emissions from e-cigarettes are not harmless and calling them vapour is purposefully misleading, scientists argue.

While the puffs from e-cigs aren't exactly smoke, the term 'vapour' often brings to mind an innocuous cloud of water.



# What is in a vape cartridge

- **THC, CBD, Nicotene**
- **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.

# Adolescent Vaping-Associated Trauma in the Western United States

Katie W. Russell, MD   • Micah G. Katz, MD • Ryan C. Phillips, MD • ... Stephen J. Fenton, MD •

Zachary J. Kastenberg, MD, MS • on behalf of the Western Pediatric Surgery Research Consortium •

[Show all authors](#)

Published: April 05, 2022 • DOI: <https://doi.org/10.1016/j.jss.2022.02.026> •  Check for updates

 PlumX Metrics

Highlights

## Highlights

Abstract

- Vaping is prevalent in the adolescent population.

Keywords

- In addition to lung disease, explosion from vaping devices can cause serious physical trauma.

References

Article info

- We need to work to reduce adolescent vaping.

Related

Articles

## Abstract

### Introduction

Electronic cigarettes (e-cigarettes) are handheld, battery-powered vaporizing devices. It is estimated that more than 25% of youth have used these devices recreationally. While vaping-associated lung injury is an increasingly recognized risk, little is known about the risk of traumatic injuries associated with e-cigarette malfunction.

### Methods

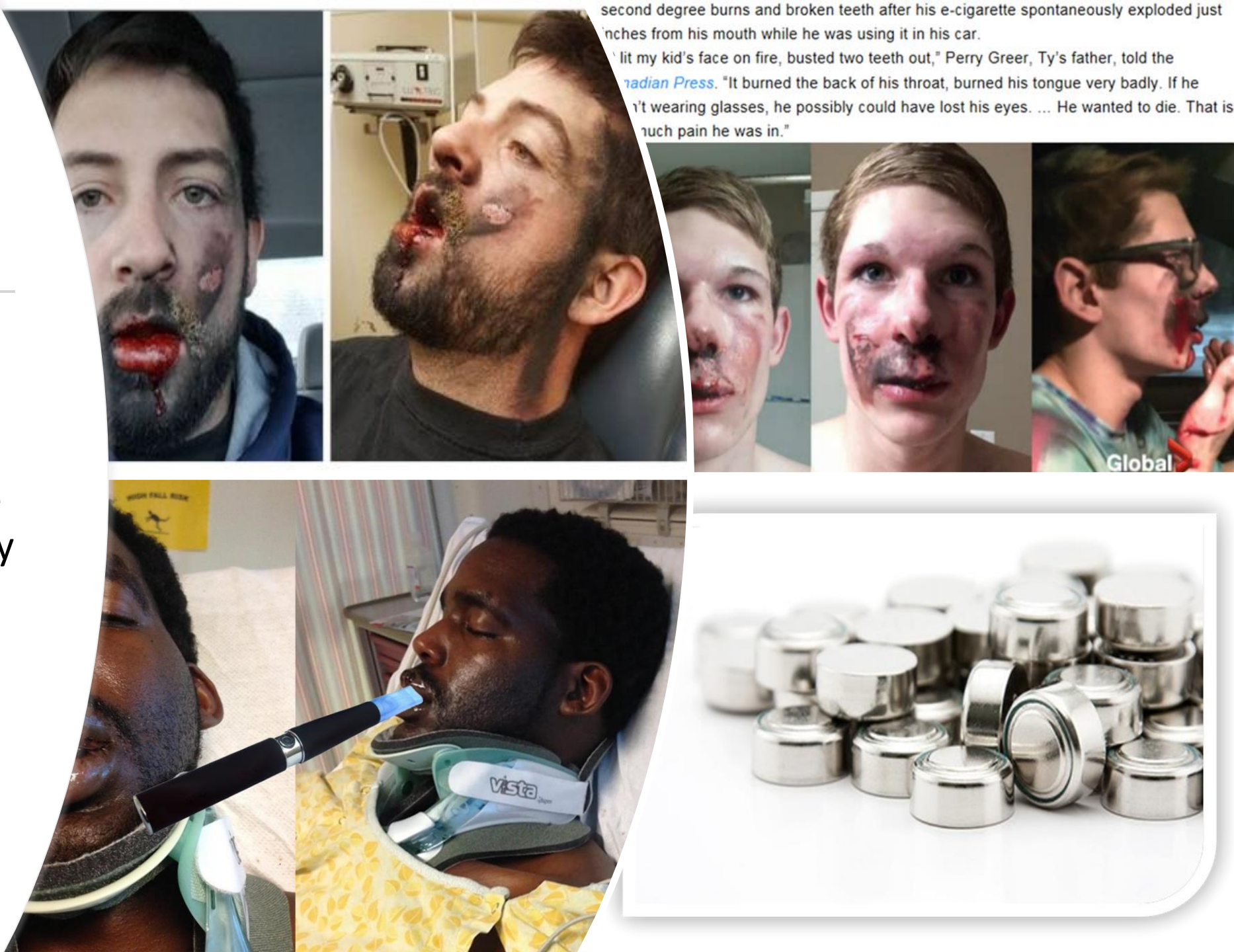
# Vape explosion caught on surveillance video





# Injuries

Lithium batteries have been identified in many of the cases.





## LOCAL NEWS

# Vape explosion severely injures 21-year-old

by: [Fontaine Glenn](#)

Posted: Jun 9, 2022 / 09:37 PM EDT

Updated: Jun 10, 2022 / 12:49 PM EDT



SHARE



(WJET/WFXP/[YourErie.com](#)) — E-cigarettes continue to be used by young adults despite the possible medical repercussions down the road.

Fontaine Glenn spoke with a local mom whose 21-year-old son Noah was severely burned on his leg after a vape battery exploded.

*Some images may be disturbing for some viewers.*

ADVERTISING





# Disposing of vaping devices

- Wear gloves when handling
- Both the batteries and existing liquid are considered waste.
- You must have a protocol for safe disposal in schools.



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

## Step 1

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



## Step 2

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



## Step 3

Transport to a hazardous waste disposal site.  
To find the nearest location, visit:  
<https://www.calrecycle.ca.gov/HomeHazWaste/Directory/>



## Don't



Handle e-cigarettes with bare hands



Rinse or throw e-liquids in the sink or toilet



Throw any component in the trash or recycling bin





United States Drug Enforcement  
Administration

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Drug Enforcement  
Administration



October 18, 2019

FOR IMMEDIATE RELEASE

Contact:

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## DEA to accept electronic vaping devices and cartridges as part of National Prescription Drug Take Back Day

WASHINGTON – With robust public participation over the course of 17 prior events, the National Prescription Drug Take Back Day Initiative continues to remove ever-higher amounts of opioids and other medicines from the nation's homes, where they are vulnerable to misuse, theft or abuse by family members and visitors, including children and teens.

On Saturday, October 26, in continuation of this effort, DEA and its national, tribal and community partners will hold the 18th National Prescription Drug Take Back Day across the country. The service is free and anonymous.

For the first time, DEA will now accept vaping devices and cartridges at any of its drop off locations during National Prescription Drug Take Back Day. It is important to note that DEA cannot accept

# Vape Take Back!



# Vape juice poisoning

Liquid nicotine is the liquid inside an e-cigarette 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.

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## E-Cigs and Toddlers: Beware



**The Bottom Line**

Electronic cigarettes (e-Cigs) are devices made to look like real cigarettes. They contain a battery, a heater, and liquid nicotine. When heated, the nicotine liquid becomes a vapor, which users inhale. Liquid nicotine products contain flavorings and something to help the product vaporize. Liquid nicotine products are very poisonous if swallowed.

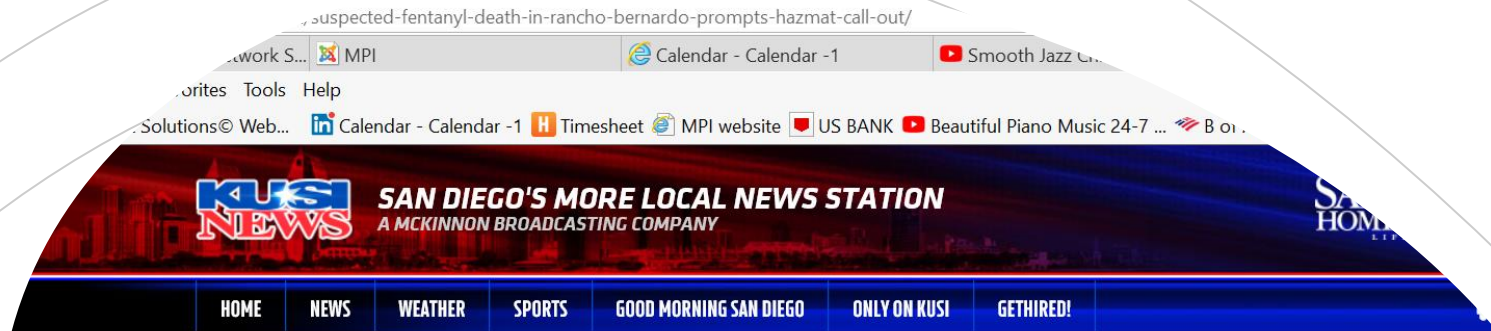


**The Full Story**

Tobacco and cigarette smoking in the United States have been declining over the last few years. A growing new trend is electronic cigarettes (often referred to as “e-Cigs” or “vapor cigarettes”).

Electronic cigarettes are used by people who don’t want to smoke but do want to use nicotine: adults, teens, and even younger children. About 20 percent of U.S. adult smokers have used electronic cigarettes. Middle-school students are using e-Cigs at double the rate of a few years ago. About 10 percent of high school students admit to smoking electronic cigarettes.

**Poisoned?**  
Call **1-800-222-1222** or  
[HELP ME online](#)



## Suspected fentanyl death in Rancho Bernardo prompts hazmat call-out

Posted: January 9, 2020

Updated: 4:46 PM by [Dan Plante](#)



# Fentanyl in Vape Cartridges

Fentanyl has been found in vape cartridges locally in San Diego.



**EVALI - Lung Injury**

## 8 WISCONSIN TEENS HOSPITALIZED WITH SEVERE LUNG DAMAGE DUE TO VAPING, DOCTORS SUSPECT



Eight teens were hospitalized in July with seriously damaged lungs in Wisconsin, the...

Posted: Jul 28, 2019 7:13 AM

Posted By: CNN




Eight teens were hospitalized in July with seriously damaged lungs in Wisconsin, the [state Department of Health Services](#) reported Thursday.

"We suspect that these injuries were caused by vaping," said Dr. Michael Gutzeit, chief medical officer at [Children's Hospital of Wisconsin](#) where the teens were admitted, at a press conference.

Their symptoms, including cough, shortness of breath, and fatigue, worsened over days or weeks before the patients arrived at Children's Hospital. Some reported fever, anorexia, chest pain, nausea and diarrhea. Scans and X-rays showed inflammation or swelling throughout both lungs, said Gutzeit.

Lung Injury  
appears July  
2019





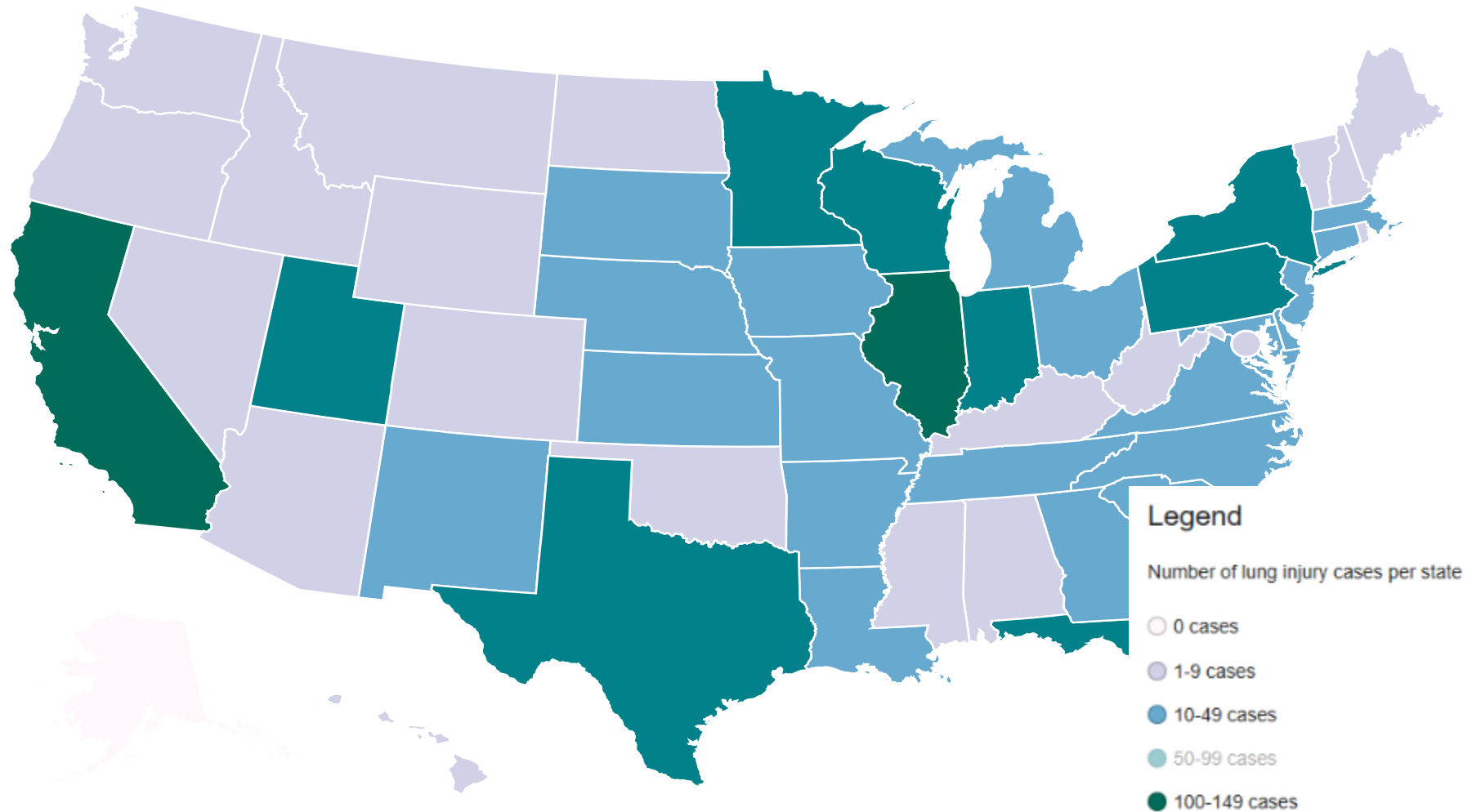
By August 2019  
215 cases in 25  
States

Patients reported a gradual start of symptoms, including:

- Breathing difficulty
- Shortness of breath
- Chest pain
- Mild to moderate gastrointestinal illness including vomiting and diarrhea
- Fevers or fatigue.

In many cases, patients have also acknowledged recent use of e cigarette-cartridges containing marijuana or THC.

# Number of Lung Injury Cases reported to CDC as of October 8, 2019 (N = 1,299)

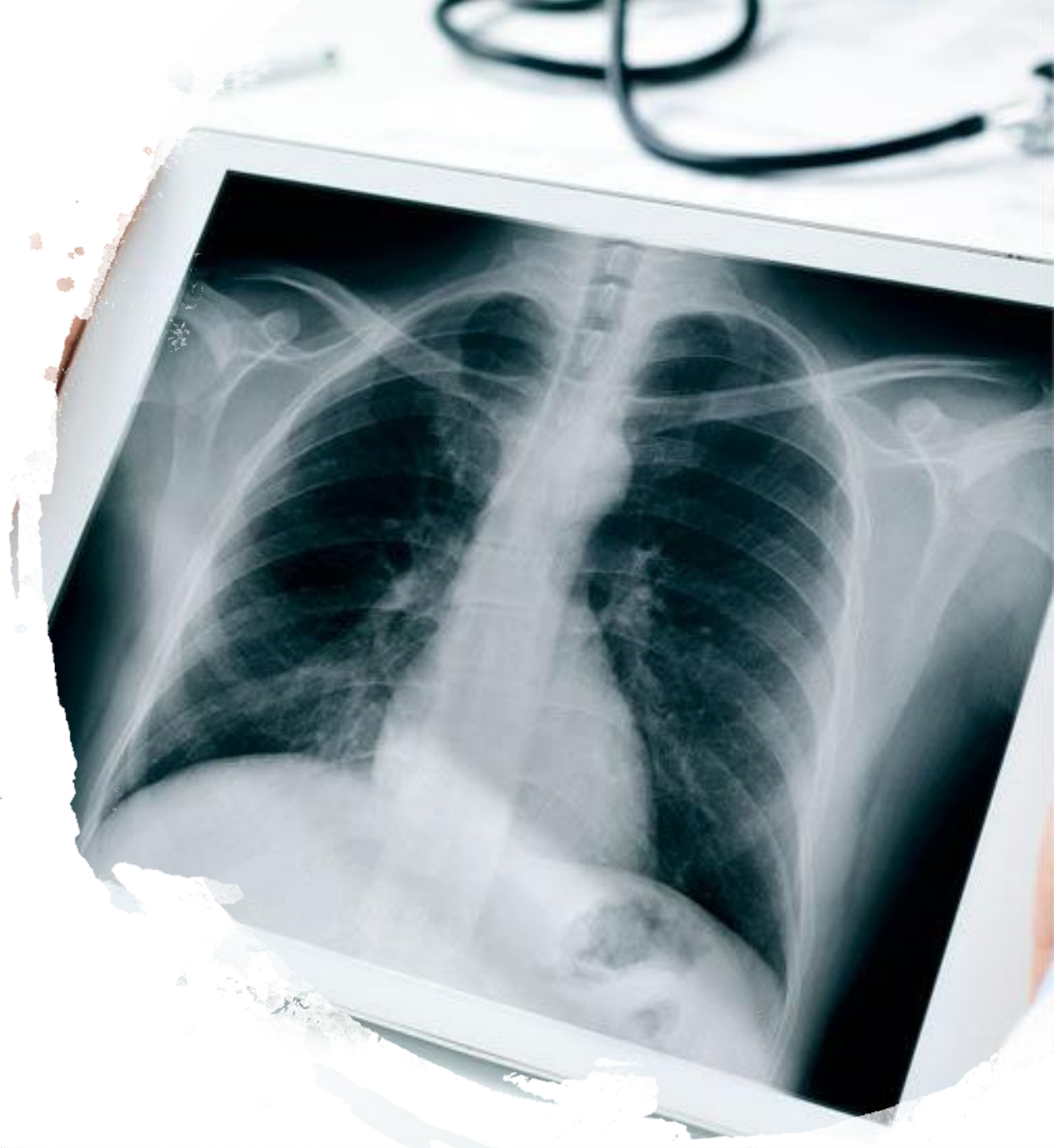


**Source CDC.** Downloaded 10/14/19 from: Slide credit Dr. Eric McDonald  
[https://www.cdc.gov/tobacco/basic\\_information/e-cigarettes/severe-lung-disease.html](https://www.cdc.gov/tobacco/basic_information/e-cigarettes/severe-lung-disease.html)

# Diagnosis of exclusion

A diagnosis of EVALI may be made if the following criteria are met:

- The patient reports use of an e-cigarette (vaping) or dabbing (inhaling concentrated marijuana in the form of wax or oil) during the 90 days before symptoms are first noticed.
- A chest X-ray or CT scan shows hazy-looking spots (called opacities) in the lungs. This contrasts with a clear black space in healthy lungs.
- No other type of lung infection is detected, which means tests for viruses and bacterial infections come back negative.





# Vitamin E Acetate, THC and EVALI



## **EVALI:**

**e-cigarette, or  
vaping, product  
use associated  
lung injury**

Two ingredients found in vape cartridges have been identified as factors in most cases of EVALI.

- THC
- Vitamin E Acetate

The prognosis for those affected remains uncertain. Researchers are working hard to learn as much as possible about the illness, its causes, and the odds for making a full recovery.

Source: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6952050/>

# EVALI – E-Cig Vaping Associated Lung Injury

- Nationally over 70 deaths and over 3000 hospitalized as of February 2021.
- As of October 2021 - 64 local cases in San Diego and one death.
- About 95% of individuals have reported **vaping THC** cartridges.
- 1 death in San Diego

HEALTH

## San Diego Woman Dies from Vaping-Related Lung Injury



By [José A. Álvarez](#), County of San Diego Communications Office  
Jun. 11, 2020 | 12:01 PM

A 76-year-old woman who died on May 24 is the first local fatality of e-cigarette or vaping-associated lung injury (EVALI), the County Health and Human Services Agency announced today.

Three other EVALI cases in young adults were confirmed in recent weeks and they are the first reports of the lung illness in San Diego County since 2019.

All the newly reported local cases tested negative for the novel coronavirus, which causes COVID-19, and they all reported recently vaping products containing tetrahydrocannabinoid (THC).

The California Department of Public Health recently recognized new reports of confirmed EVALI cases in persons vaping THC-containing products in April, after no cases had been reported since February 2020.

Since July 2019, a total of 52 EVALI cases have been reported in San Diego County residents. All patients had to be hospitalized.

# Double Lung Transplant

October 2019 -Doctors at a Detroit hospital performed a double lung transplant on a 17-year-old boy whose lungs were severely damaged from vaping.

A young man is lying in a hospital bed, appearing to be asleep. He is wearing a green hospital gown. His face is partially obscured by medical equipment, including a white oxygen mask or nasal cannula and a clear plastic tube. Several medical wires and tubes are connected to his chest and head. The background is slightly blurred, showing the hospital room environment.

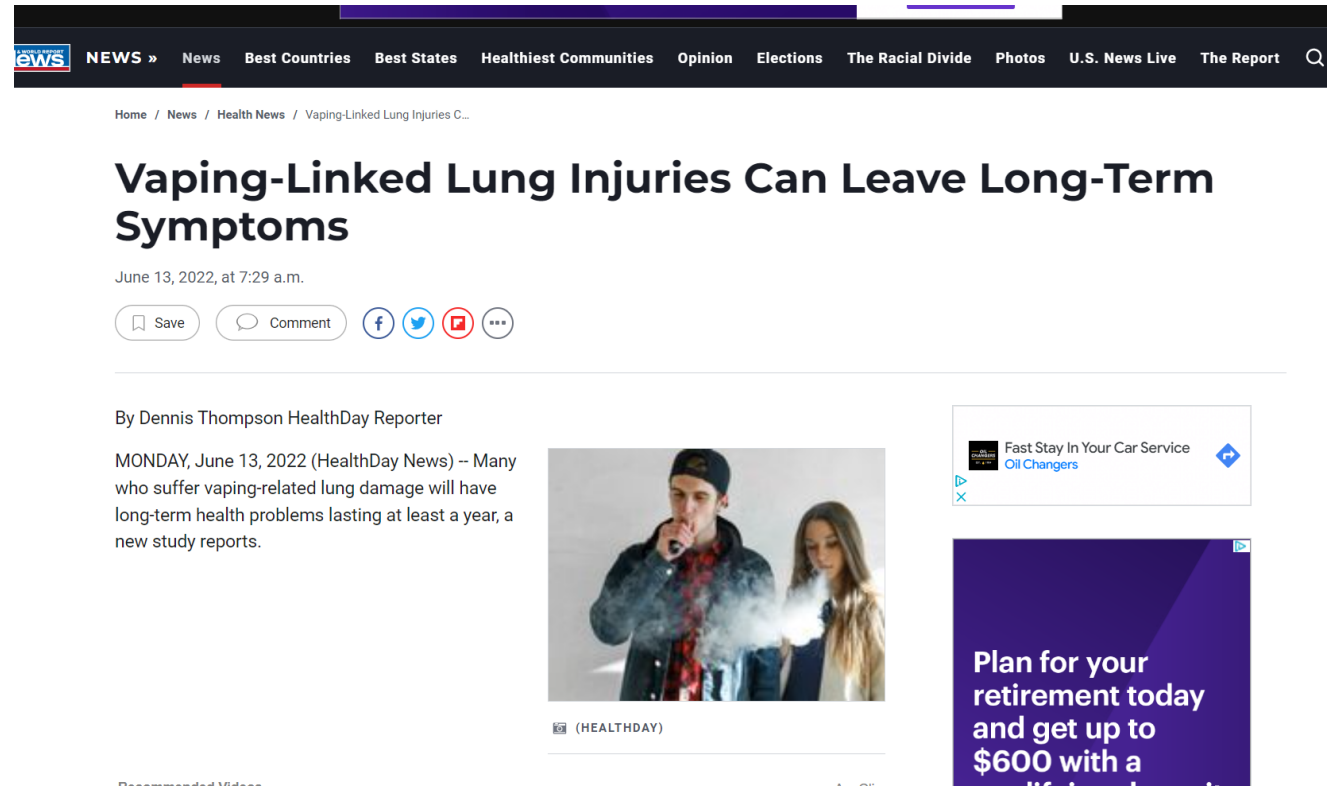
 CBS THIS MORNING



# Where are we with EVALI in 2023?

Twelve months after their diagnosis, many EVALI patients said they still had lingering health problems that sometimes affected their quality of life:

- 48% had respiratory limitations
- 59% had anxiety and/or depression
- 62% of patients had post-traumatic stress
- 44% reported difficulty concentrating, remembering or making decisions due to a physical, mental or emotional condition
- 24% reported significant shortness of breath



The screenshot shows a U.S. News article from June 13, 2022. The article is titled "Vaping-Linked Lung Injuries Can Leave Long-Term Symptoms" and is written by Dennis Thompson, a HealthDay Reporter. The text states that many people with vaping-related lung damage will have long-term health problems lasting at least a year, according to a new study. The article includes a photo of a man and a woman, both exhaling vapor. The man is wearing a black jacket and a black cap, while the woman is wearing a blue jacket. The photo is credited to (HEALTHDAY). The article is part of a series on "Vaping-Linked Lung Injuries C...". The U.S. News navigation bar is visible at the top, and there are social media sharing options (Save, Comment, Facebook, Twitter, YouTube, and a menu icon) below the title. On the right side of the article, there are two advertisements: one for "Fast Stay In Your Car Service Oil Changers" and another for "Plan for your retirement today and get up to \$600 with a".

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Home / News / Health News / Vaping-Linked Lung Injuries C...


## Vaping-Linked Lung Injuries Can Leave Long-Term Symptoms

June 13, 2022, at 7:29 a.m.

Save Comment f t y ...

By Dennis Thompson HealthDay Reporter

MONDAY, June 13, 2022 (HealthDay News) -- Many who suffer vaping-related lung damage will have long-term health problems lasting at least a year, a new study reports.



(HEALTHDAY)

Fast Stay In Your Car Service Oil Changers

Plan for your retirement today and get up to \$600 with a

# Study followed up with 73 EVALI patients

A year after their EVALI diagnosis, about 35% said they were still vaping or using e-cigarettes; 20% were smoking; and 54% using marijuana, the researchers found.

About 6% of EVALI patients caught COVID-19 during that year of follow-up, further endangering their lungs, but Blagev said it's hard to say from these data how EVALI influences the risk of developing COVID.

The screenshot shows the ATS Journals website. The main navigation bar includes links for AJRCCM, AJRCMB, AnnalsATS, and ATS Scholar. The article title is "Prospectively Assessed Long-Term Outcomes of Patients with E-Cigarette- or Vaping-associated Lung Injury". The authors listed are Denitza P. Blagev, Sean J. Callahan, Dixie Harris, Dave S. Collingridge, Ramona O. Hopkins, Jacqueline R. Eve, Lindsey Waddoups, Valerie Aston, Samuel Brown, and Michael J. Lanspa. The article was received on January 18, 2022, and accepted on May 09, 2022. The abstract section is visible, starting with the rationale: "E-cigarette- or vaping-associated lung injury (EVALI) was first identified in 2019. The long-term respiratory, cognitive, mood disorder, and vaping behavior outcomes of patients with EVALI remain unknown." and the objectives: "To determine the long-term respiratory, cognitive, mood disorder, and vaping behavior outcomes of patients with EVALI."

Source May 2022 - Prospectively Assessed Long-Term Outcomes of Patients with E-Cigarette- or Vaping-associated Lung Injury - Denitza P. Blagev 1,2,3, Sean J. Callahan 2, Dixie Harris 1,4, Dave S. Collingridge 3, Ramona O. Hopkins 5, Jacqueline R. Eve 6, Lindsey Waddoups 2, Valerie Aston 3, Samuel Brown 1,2,3, and Michael J. Lanspa 1,2,3

A woman with long, wavy green hair is wearing a light blue surgical mask. White vapor or smoke is rising from her head, creating a dramatic effect. The background is blurred, suggesting an outdoor setting. The text 'And then COVID happened!' is overlaid in white on the lower left, with a solid teal bar at the bottom.

**And then COVID happened!**



# What do the experts say about smoking and COVID 19?

Secondhand marijuana smoke contains tetrahydrocannabinol (THC), the chemical responsible for most of marijuana's psychological effects, and many of the same toxic chemicals in smoked tobacco.

Smoking and vaping can increase your risk for respiratory illness.

COVID is a respiratory illness!



Source;

CDC <https://www.cdc.gov/marijuana/faqs/secondhand-smoke.html>

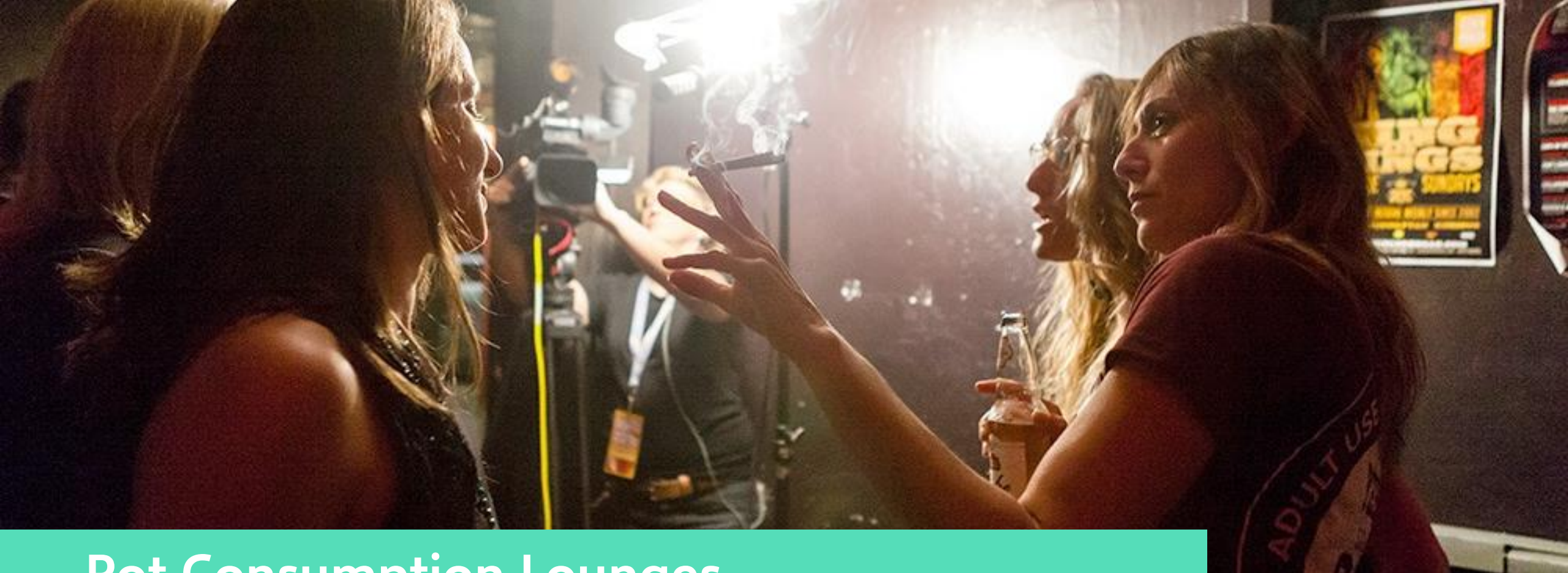
Smoking and vaping is a risk factor in Covid.





Looking Ahead



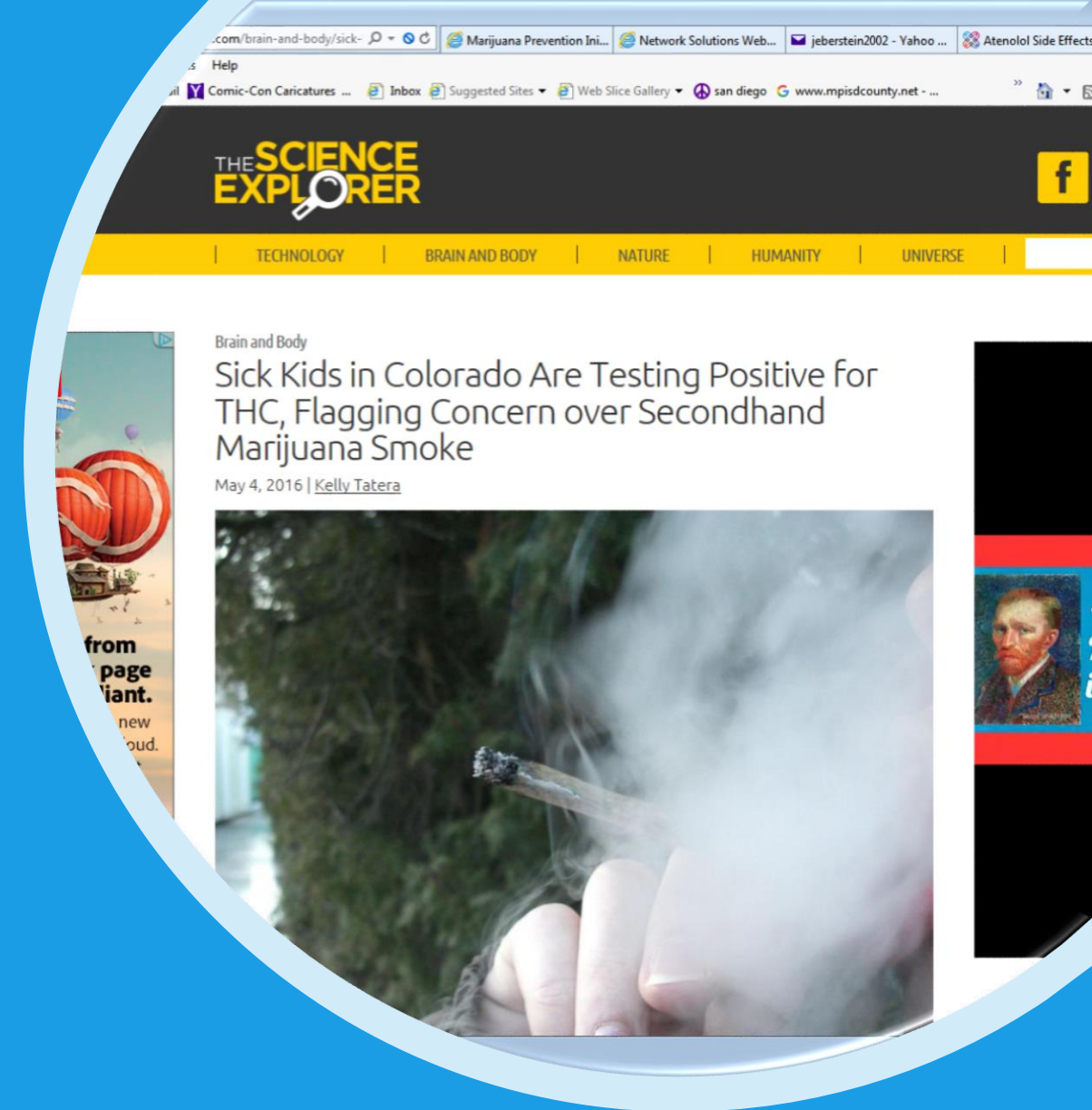


## Pot Consumption Lounges

- **Advocate for smoke free policies that include tobacco, marijuana and vaping.** Proposals have been considered for marijuana lounges and approved in National City.
- Allowing on-site consumption raises many public safety concerns surrounding the risk of increased drugged driving, secondhand smoke exposure to employees.
- How can you have smoke free outdoor dining and then smoking allowed inside?

# “Second Hand” Marijuana Smoke

- THC were found in one in six infants and toddlers admitted to Colorado Children’s Hospital (CHC) for coughing, wheezing, and other symptoms of bronchiolitis.
- As with secondhand tobacco smoke, children can be exposed to the chemicals in marijuana when it is smoked by someone nearby.
- Parents admitted to smoking in front of child.





# IASIC

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

Join their email list  
[IASIC1.org](http://IASIC1.org)

PAID ADVERTISEMENT *Doctors Warn*

## Cannabis Can Cause Serious Health Hazards

IASIC, the International Academy on the Science and Impact of Cannabis, is a medical organization of doctors who educate on the impacts of cannabis, based on the scientific and medical literature. IASIC is a non-partisan and non-political group created to facilitate informed decisions when considering health and cannabis policy.

Thousands of peer-reviewed medical articles have been published on the harms of cannabis and marijuana: Emergency Department (ED) Visits, Psychosis, Suicide, Brain Development, Neonatal Exposure, Opioid Use, Traffic Fatalities, High Potency Use, Problematic Use and Cannabis Hyperemesis Syndrome.

While we support FDA-approved cannabis-based products that have met the rigor of scientific study, it is our conclusion, based on review of the scientific evidence, that the negative impacts of cannabis strain our health care and addiction treatment resources to an extent that far surpasses the perceived benefits.

Calling attention to the growing science on the risks of cannabis, we see an urgent need for smart public health policies that follow the science, prevent addiction, and decrease mental illness, including psychosis, depression, and suicide.

IASIC, The International Association on Science and Impact of Cannabis wants the public and our leaders to be informed decision makers.

Scan to read the full article with citations or visit [www.iasic1.org/doctors-warn-cannabis-can-cause-serious-health-hazards/](http://www.iasic1.org/doctors-warn-cannabis-can-cause-serious-health-hazards/)  
**www.iasic1.org**

Join to support this public health non profit here at [www.iasic1.org/join](http://www.iasic1.org/join)

for by IASIC

# IASIC



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.



# Always check with your Doctor

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Lack of uniform standards and proper product labeling of marijuana products may result in unpredictable outcomes.

- 542 drugs that interact with cannabidiol, the chemical in CBD
- 380 drugs that interact with cannabis, the main chemical in marijuana

Websites such as **Drugs.com** can give you a detailed list of prescription medications that may interact the chemicals in marijuana.



# Ask A Doctor!

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- 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.

**Access and Crisis Line at (888) 724-7240 or 211**



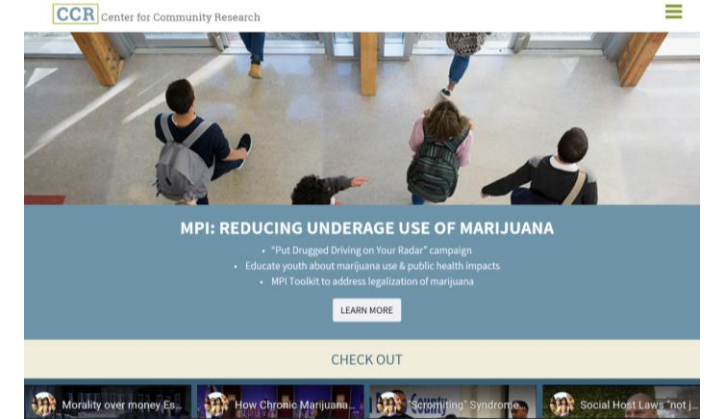


# MPI Resources

MPI provides these discussions for all youth.

- Information and data for download.
- Vision Zero Campaign
- MPI Prevention TOOLKIT.
- MPI 2021 Report

**Visit our MPI website, YouTube:**  
<http://www.ccrconsulting.org/mpi>





# Thank you!

[jeberstein@ccrconsulting.org](mailto:jeberstein@ccrconsulting.org)

