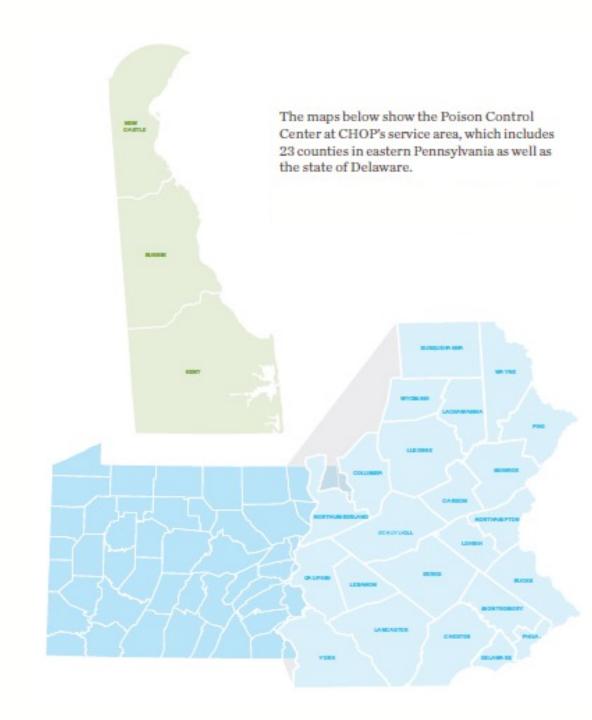


THE POISON CONTROL CENTER AT CHOP

- Founded in 1986
 - CHOP, Phila College of Pharmacy & Science, and PDPH
 - Became a Center at CHOP in 1995
 - HRSA designated for 8.9 million in DE & PA
- Team of health care providers
 - Nurses (8), Pharmacists (6)
 - Medical Director
 - Associate Medical Director
 - Senior Toxicologist
 - Clinical Managing Director (Pharm.D.)



Our activities areas of interest

- 1. 24/7 and free public health hotline
- 2. Toxicosurveillance
 - VAPI, laundry pods, new trends in drug adulterants, anthrax, marijuana
- 3. Research
- 4. Public health programming and advocacy
 - Substance use disorder, mental health, medicine safety, environmental health/lead
- 5. Professional education
- 6. Sustainability



Delaware call volume by county, 2021

Kent	941
New Castle	3,225
Sussex	1,265
DE resident, did not provide zip	186
Total	5,617



Most common calls to the PCC





Children <6 years old

Cosmetics/Personal care products

Cleaning Substances (Household)

Analgesics

Foreign Bodies/Toys/Miscellaneous

Dietary Supplements/Herbals/Homeopathic

Vitamins

Plants

Topical Preparations

Antihistamines

Pesticides

Most common calls to the PCC





Children 6 to 19 years old

Analgesics

Antidepressants (did not break top 10 in 2020)

Antihistamines

Stimulants and street drugs

Cosmetics/personal care products

Cleaning substances (household)

Sedatives/hypnotics/antipsychotics

Foreign bodies/toys/miscellaneous

Cardiovascular drugs

Dietary supplements/herbals/homeopathics

Most common calls to the PCC





Adults 20 years and older

Analgesics

Antidepressants

Sedatives/hypnotics/antipsychotics

Cleaning substances (household)

Cardiovascular drugs

Anticonvulsants

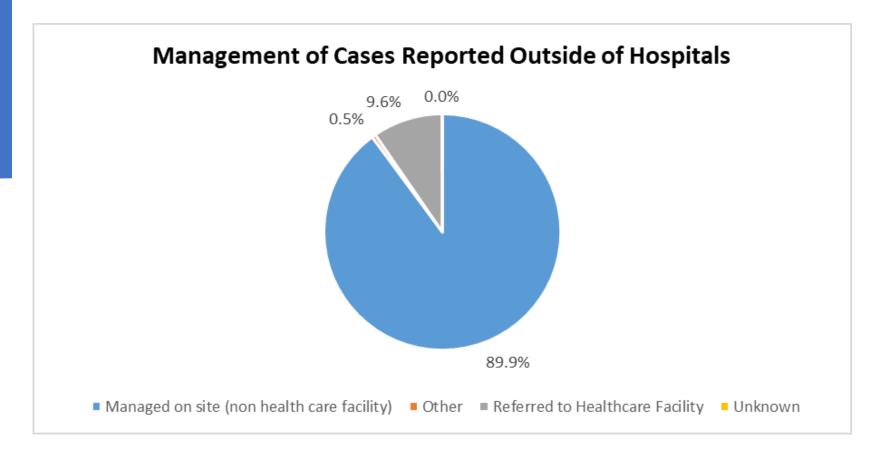
Cosmetics/personal care products

Antihistamines

Pesticides

Chemicals

Did we refer the caller to seek treatment?



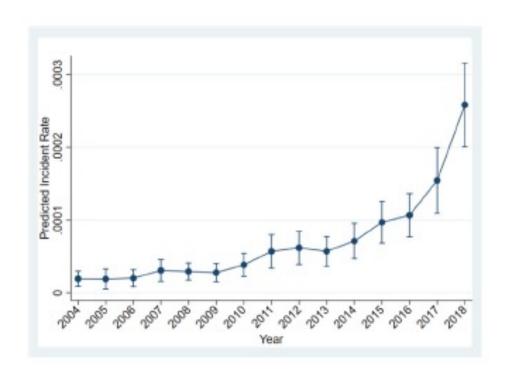




Child Marijuana Poisoning Epidemiology

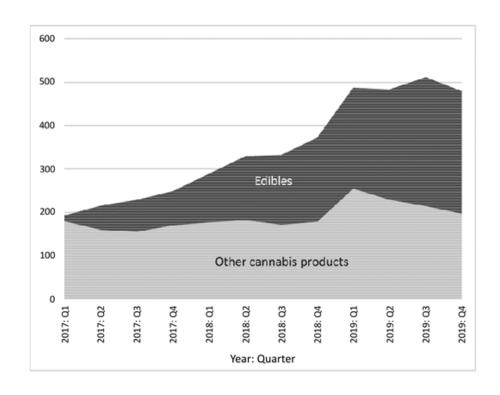
Bennett, Acad Pediatr, 2021

Hospital Data – Children 0-6 years



Whitehill, Pediatr, 2021

PCC Data – Children 0-9 years



THC Poisoning – Our PCC Epidemiology

2014-2019

- 500% increase in child cases
- Increase attributable to edibles

https://injury.research.chop.edu/blog/posts/rise-child-injury-cannabis-not-high-we-wanted



ABOUT CIRP RESEARCH TRAINING OPPORTUNITIES EDUCATIONAL RESOURCES

RESEARCH IN ACTION

Home > Research In Action Blog > Rise in Child Injury from Cannabis: Not the High We Wanted



Rise in Child Injury from Cannabis: Not the High We Wanted

Does THC Cause Severe Illness?

Bennett, Acad Pediatr, 2021

- 15% in ICU
- 4% endotracheally intubated

Intubation risk seems greatest when THC exposure unknown.

Common toxidrome = CNS depression, large pupils.

Greatest dangers = Seizures, respiratory depression.

Recent Trends in Marijuana-Related Hospital Encounters in Young Children

Colleen E. Bennett, MD, MSHP; Atheendar Venkataramani, MD, PhD; Fred M. Henretig, MD; Jennifer Faerber, PhD; Lihai Song, MS; Joanne N, Wood, MD, MSHP

More THC Work...



Safety & Prevention Family Life Health Issues News Tips & Tools Our Mission Ages & Stages Healthy Living



BRIEF

Christopher E. Gaw, MD, 2.6; Kevin C. Osterhoudt, MD 2.6

Division of Emergency Medicine, Children's Hospital of Philadelphia, 3401 Civic Center Boulevard, Philadelphia, PA

^bThe Poison Control Center at Children's Hospital of

Ages & Stages

LEGALIZATION OF MARIJUANA IN NEW JERSEY: IMPLICATIONS remain incompletely characterized. Much of our understanding of cannabis, physiological effects can be attributed to advances in characterizing the endogenous cannabinoid system over the past several decades [6, 7]. The endocannabinoid system is composed of endogenous cannabinoids and two major cannabinoid receptors, CB1 and CB2 [8], which are widely distributed throughout the central nervous system and other body tissues (e.g., myocardium, smooth muscle, myocardium) [9]. This system has been

Driving Safety

School

Substance Use

Recent

Young Adult

Healthy Children > Ages & Stages > Teen > Substance Use > Edible Marijuana Dangers: How Parents Can Prevent THC Poisoning

AGES & STAGES











By: Kevin Osterhoudt, MD, MSCE, FAAP, FAACT, FACMT

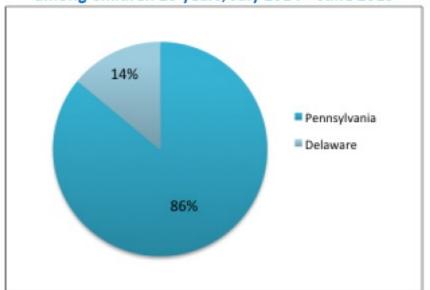
Marijuana (cannabis) is now legal for medical or recreational use in most U.S. states. That means the availability of tempting treats that contain tetrahydrocannabinol (THC), the psychoactive ingredient in marijuana,



is on the rise. Unfortunately, so is the unintentional THC poisoning risk these products pose to kids who get a hold of them.

THC Poisoning

Figure 2: State Contribution to Annual Marijuana Reports to PA Poison Centers among Children ≤6 years, July 2014 – June 2019



2023 – A New Year

First 26 days...

- 23 THC cases < 18 years
- 8 THC cases < 6 years
- 16 of cases involved edibles

On pace for biggest year yet!





What is "Delta 8"?

"THC" in marijuana = delta-9-THC

- Cannabis sativa has dozens of alkaloids
- Delta-8-THC is a minor alkaloid in hemp
- Intoxicating
- Now being purified from hemp as "legal high"

THE WATCHDOGS

Chicago stores exploit legal loophole to sell THC-O, a 'psychedelic' 3 times stronger than weed

Military scientists once investigated the compound as a potential nonincapacitating agent. Now, a hemp-derived version is touted to powerful, mind-bending effects.

By Tom Schuba | Jan 14, 2022, 11:15am CST



What's Next in THC?



THC Poisoning Prevention Tips Policy

- Edible THC products should not be made in forms or packages that resemble typical child treats.
- THC products should be in child-resistant packaging that conforms to the Poison Prevention Packaging Act □.
- THC product packaging should be opaque and have limits on the quantity of THC in each serving size and package.
- Edible THC products should be conspicuously labeled as containing THC and should show the
 dose.
- THC containing products in stores should not be accessible to children and should not be displayed near food items.

