



WELCOME to the  
*Cannabis in the Workplace: An ECHO on  
Health, Safety, and Management*

*June 11 – August 29, 2025*



## Series Learning Objectives

After participating in this activity, learners will be able to:

1. Describe the potential impacts of cannabis on individual health and workplace health and safety
2. Recognize cannabis-related impairment and intervene to support health and safety in the workplace and the health of the involved individual
3. Describe legal and regulatory policies at state and national level that shape management of cannabis in the workplace
4. Develop and implement workplace policies related to cannabis that support health and safety

# Series Sessions

<b>Date</b>	<b>Session Title</b>
6/11/2025	<a href="#">Pharmacology of cannabis and impact on individual</a>
6/25/2025	<a href="#">Impact of cannabis on workplace</a>
7/9/2025	Cannabis testing
7/23/2025	Assessing impairment in the workplace
8/6/2025	Intervention, management of leave, treatment, re-entry into the workplace
8/20/2025	The legal and regulatory landscape
8/27/2025*	Development of workplace policies

# Core Panel

Bob McLellan, MD, MPH

Occupational Medicine Physician, Geisel School of Medicine

Charla Stevens, JD

Legal/ Regulatory Expert at Charla Stevens Consulting

Claire Bryant, MPH

Senior Program Manager, National Safety Council

Dana Lariviere

President/CEO at Chameleon Group

Jackie Pogue, MPH

Research Project Manager at Dartmouth College, Course Director

Jeanne Venuti, BS

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Liz Bailey, JD

Legal/ Regulatory Expert at Sheehan Phinney

Luke Archibald, MD

Section Chief, Addiction Treatment Program, Dartmouth Health

Seddon Savage, MD

Education Director, Project ECHO at Dartmouth Health

# Cannabis Pharmacology and Actions

## What Employers Need to Know

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Nurse Practitioner Section of Palliative Medicine

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# Disclosures

- I do not have any relevant financial disclosures

# Objectives

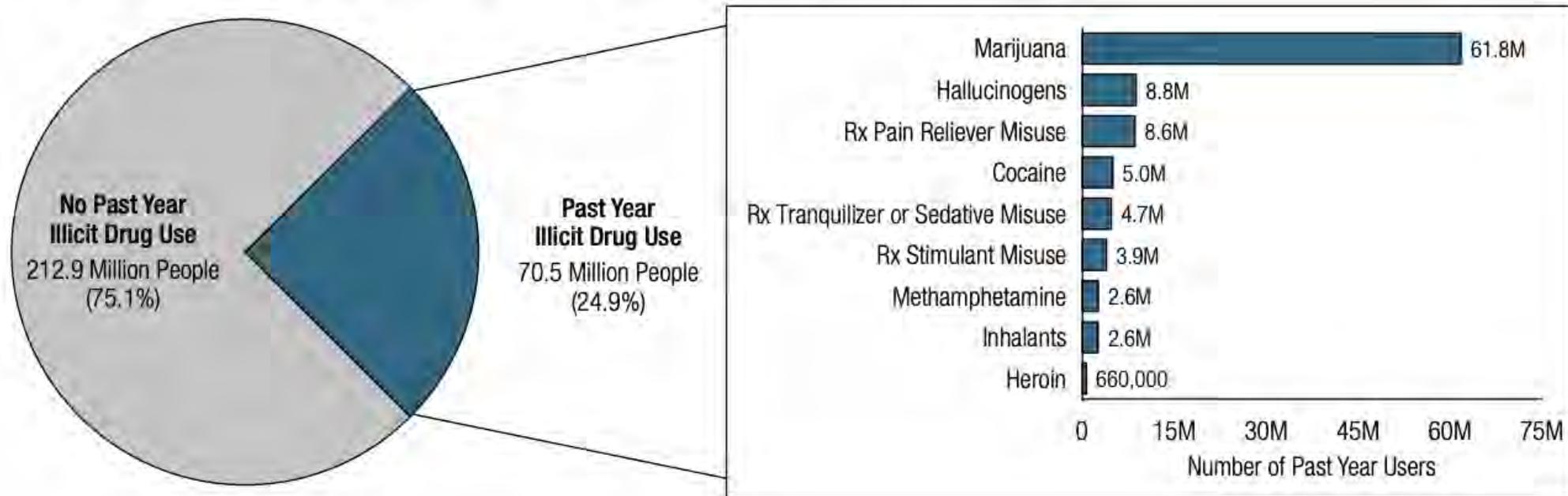
- Discuss prevalence of cannabis use
- Describe reported reasons for therapeutic & recreational cannabis use
- Outline diversity of U. S. state laws for therapeutic & recreational cannabis use
- Describe cannabis pharmacology and routes of administration
- Discuss cannabis risks, side effects and impact on work performance

# Cannabis has been in use for centuries

- 4000 B.C use China
- 450-200 B.C. Greco-Roman Use
- 1000 – 1464 A.D. Treatment for epilepsy
- 1850 U.S. Pharmacopeia -neuralgia, opioid addiction, alcoholism
- 1937 Marihuana Tax Act; Federal prohibition
- 1942 Removed from U. S. Pharmacopeia
- 1964 THC discovered
- 1970 CSA Schedule 1 (Recreational >> criminalization)
- 1988 CBD1 and CBD2 receptors discovered
- 2000 – present Increased therapeutic use > Push for legalization

# Cannabis Use in the U.S. 2023 Past year use

**Figure 12. Past Year Illicit Drug Use: Among People Aged 12 or Older; 2023**



Rx = prescription.

Note: The estimated numbers of past year users of different illicit drugs are not mutually exclusive because people could have used more than one type of illicit drug in the past year.

# People use cannabis for a variety of reasons

- According to surveillance data 38% use for recreational, 33% for recreational and medical and 29% for medical only<sup>1</sup>
- Young adults' motives for cannabis use were enjoyment/fun, conformity, experimentation, social enhancement, and relaxation<sup>2</sup>
- College students reported using cannabis for social facilitation, peer acceptance, emotional pain, and sex-seeking<sup>3</sup>
- In a small Canadian study of long term users the top reason for use was **relaxation**; other reasons included feeling good, enjoyment of media, medical use, inspiration, depression, anxiety, better sleep, and boredom<sup>4</sup>

# People use cannabis to self-treat symptoms

27,169 respondents to 2018 online survey in U.S and Canada

- Self-reported ever symptom management use (27%)
- Higher in legal use states (34%) versus illegal use states (23%)
- Among reported reasons for symptom management:

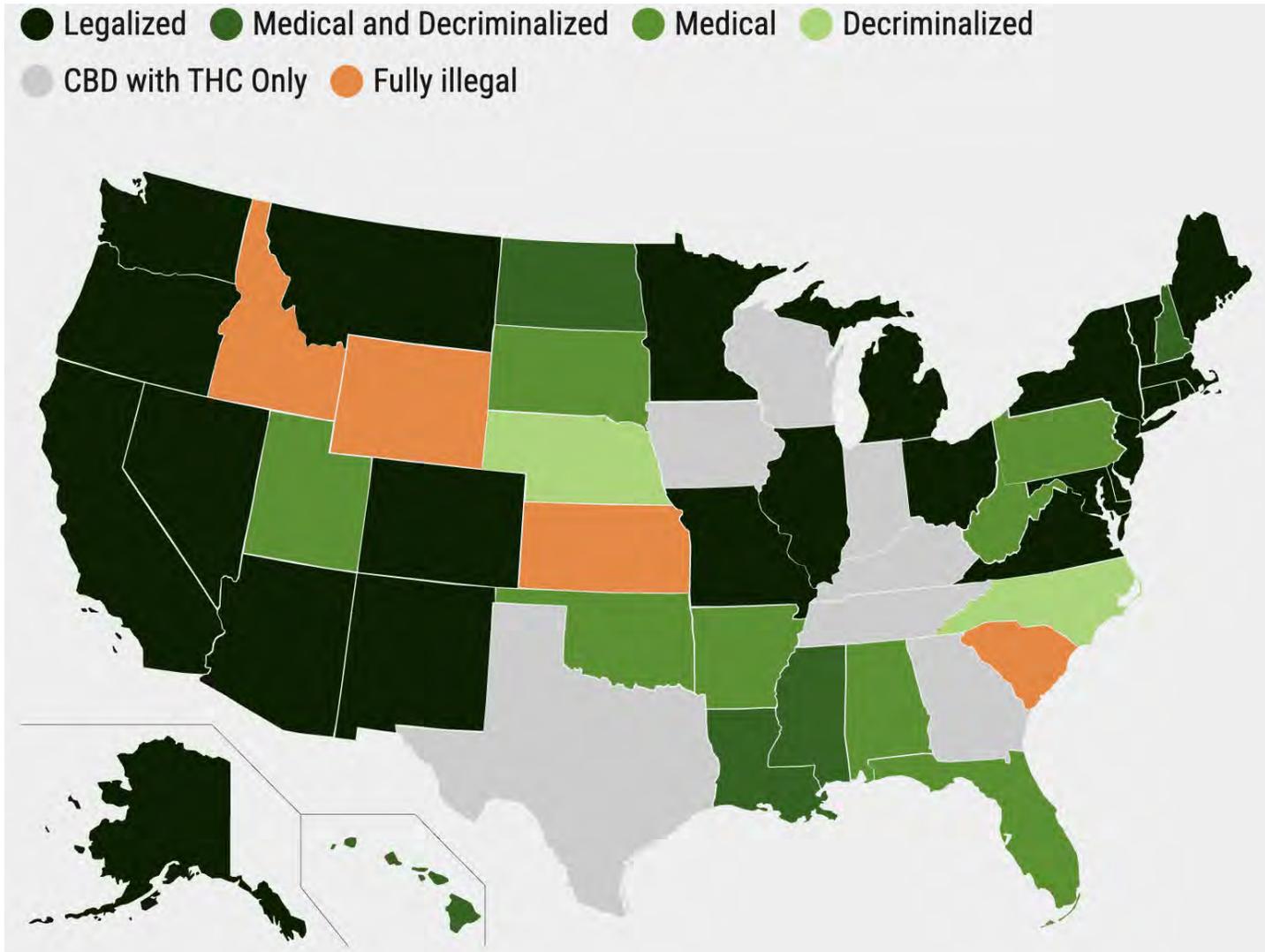
## Physical symptoms

Pain 53%  
Sleep 46%  
Headaches 35%  
Appetite 22%  
N/V 21%

## Mental health symptoms

Anxiety 52%  
Depression 40%  
PTSD/Trauma 17%  
SUD 11%  
Psychosis 4%

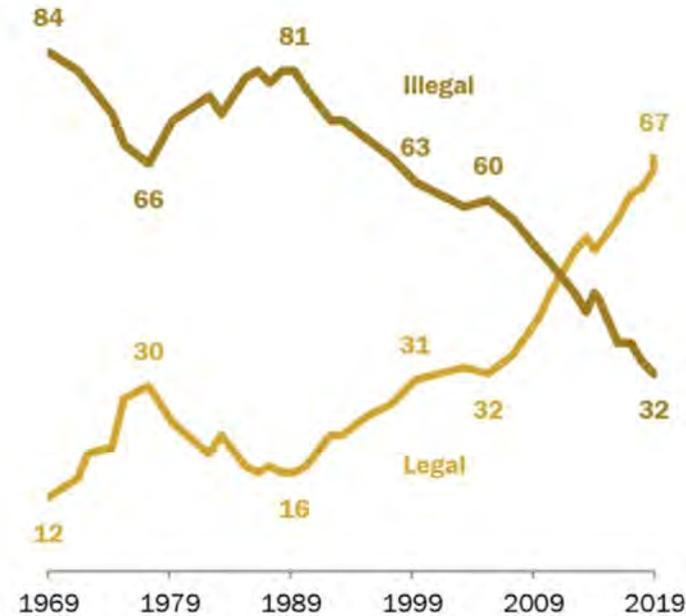
# State cannabis policies are variable/changing



# Majority of Americans now support legalization of marijuana

## U.S. public opinion on legalizing marijuana, 1969-2019

Do you think the use of marijuana should be made legal, or not? (%)

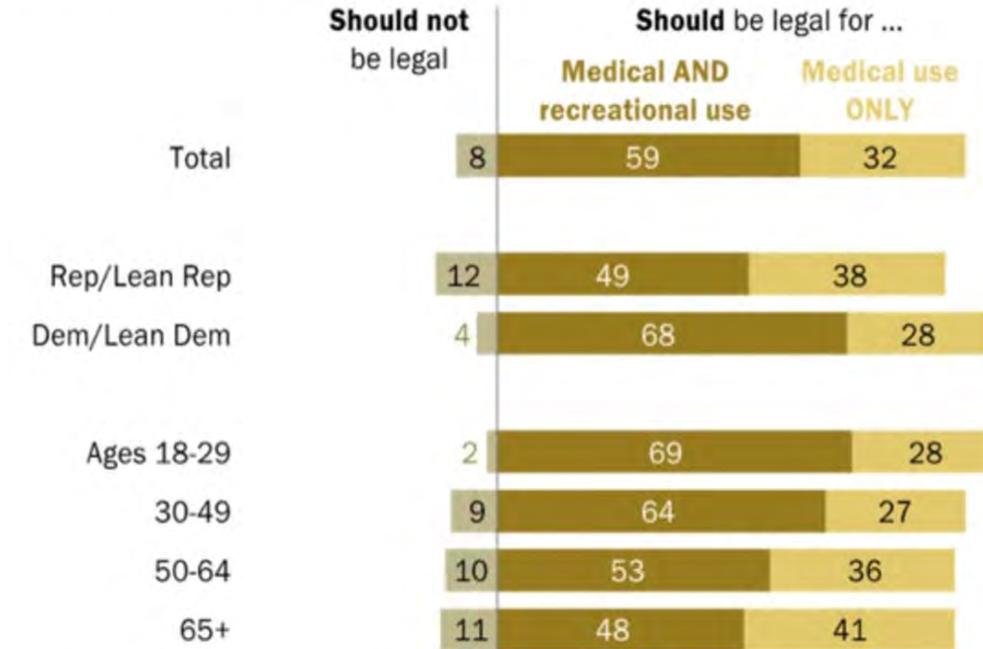


Note: No answer responses not shown. 2019 data from Pew Research Center's online American Trends Panel; prior data from telephone surveys. Data from 1969-1972 from Gallup; data from 1973-2008 from General Social Surveys.  
Source: Survey of U.S. adults conducted Sept. 3-15, 2019.

PEW RESEARCH CENTER

## Only about one-in-ten Americans oppose marijuana legalization for medical or recreational uses

% who say marijuana ...

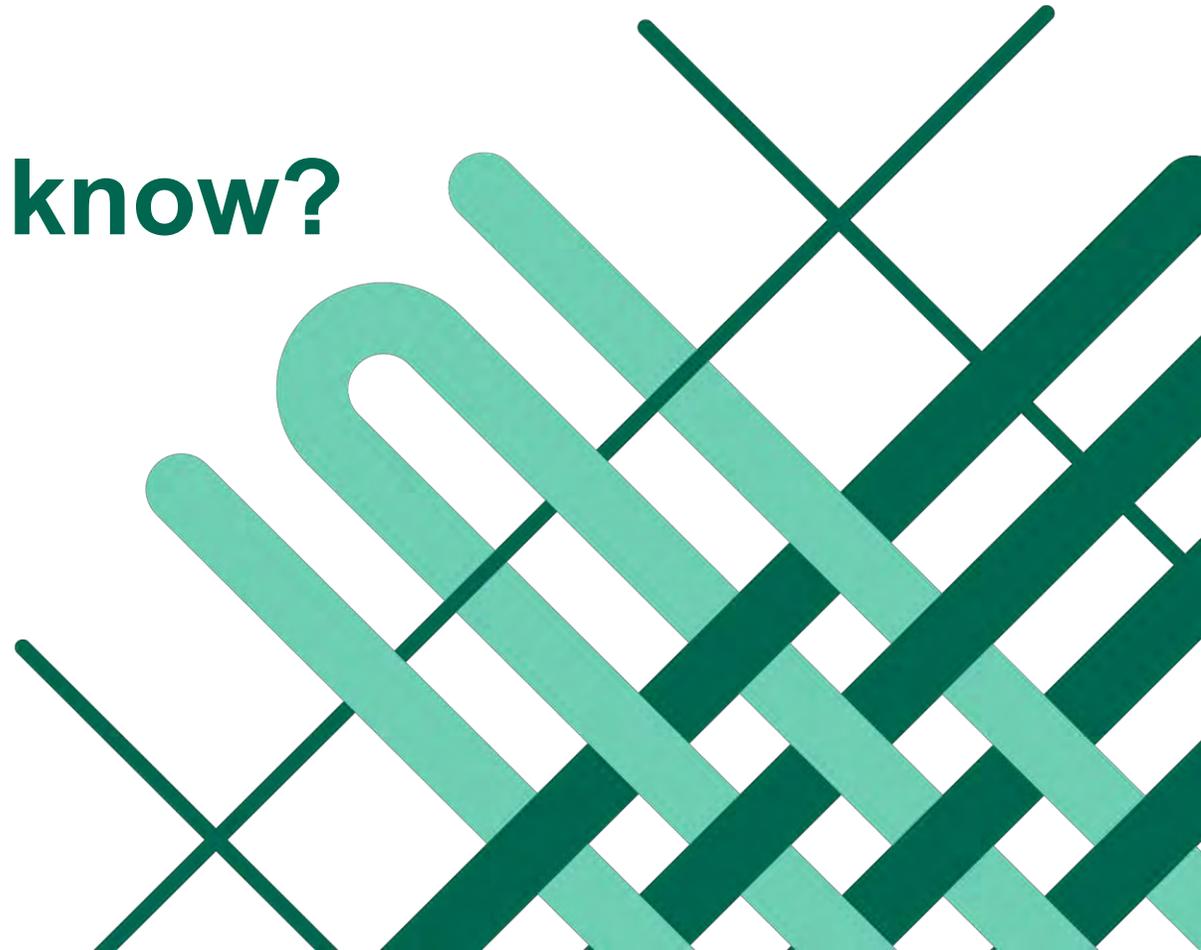


Note: No answer responses not shown.

Source: Survey of U.S. adults conducted Sept. 3-15, 2019.

PEW RESEARCH CENTER

# Cannabis – What do we know?



# Cannabis contains > 100 phytocannabinoids and > 600 chemical constituents

- Two most prevalent cannabinoids
  - **$\Delta^9$ -tetrahydrocannabinol (THC)** - psychoactive; anti-emetic, analgesia, appetite stimulation (discovered 1964)
  - **Cannabidiol (CBD)** –not psychoactive; anti-convulsant, anxiolysis, anti-inflammatory
- Less studied cannabinoids & terpenes may contribute to effects
- NO standardization -Diverse strains bred and available
  - Very high THC concentrations are available
    - 1970s - 3-5% THC typical -Vape products > **94% THC available in dispensary**
  - Low THC, high CBD products and intermediate blends are available

# Endogenous cannabinoid system

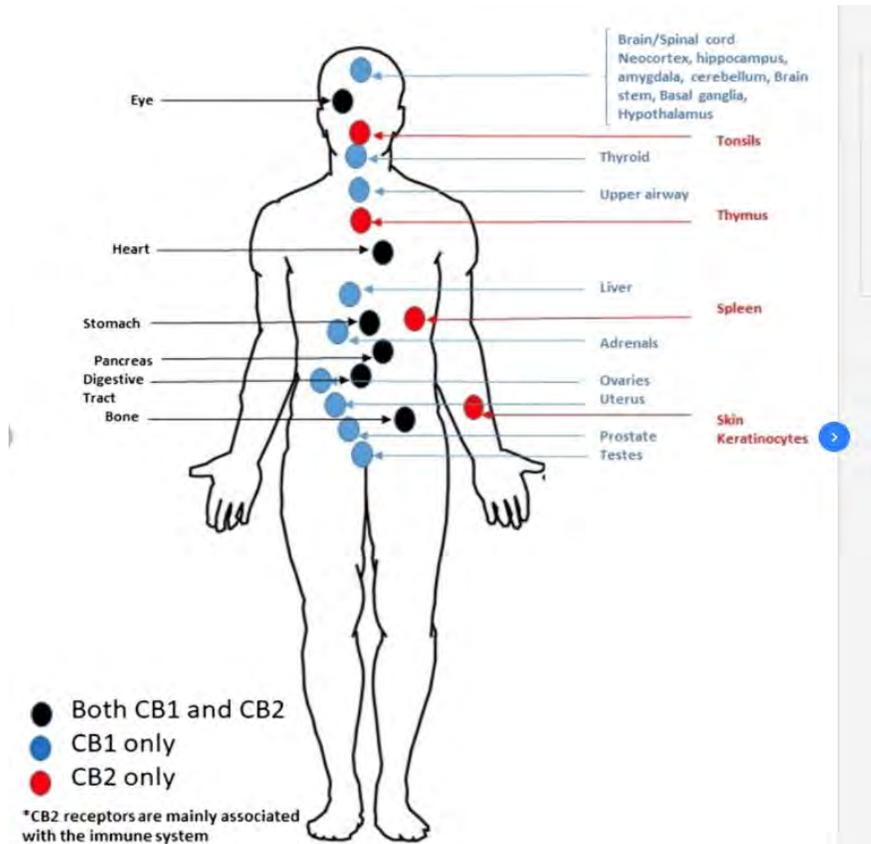
Endocannabinoids bind to cannabinoid receptors to exert diverse physiologic effects

- CB1 (primarily in nervous system)
- CB2 (primarily in immune system)

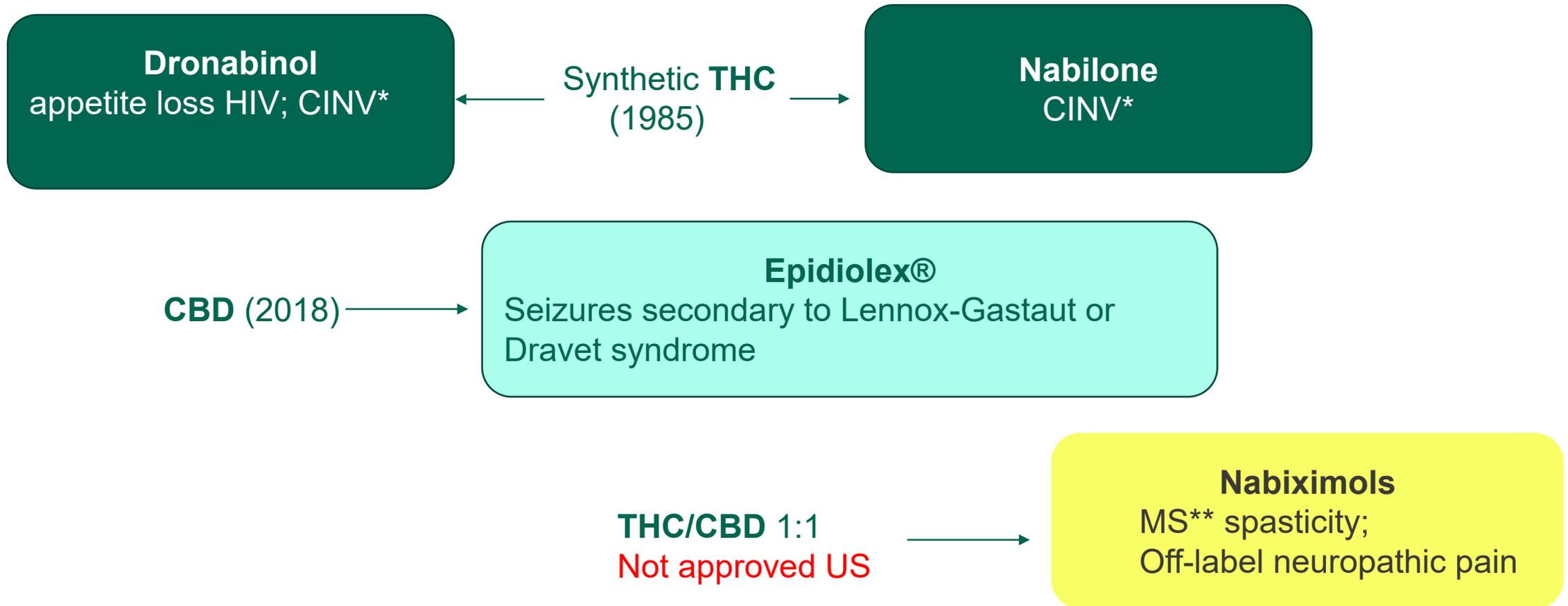
Physiologic roles in

- Nociception (pain regulation)
- Mood modulation including reward
- Cognition, learning & memory
- Energy balance, appetite

**Implications: Limited understanding of the effects of exogenous (external) cannabinoids (like THC/CBD) on endogenous (internal) cannabinoid system**



# Three pharmaceutical cannabis products are available in the U. S.



\*CINV – chemotherapy induced nausea and vomiting; \*\*MS multiple sclerosis

# Cannabidiol (CBD) is widely available, but not well-regulated

Marketed indications not well studied



**HEALTH BENEFITS OF CBD OIL**

**ASTHMA**  
CBD has potent immune-suppressive and anti-inflammatory properties.

**CANCER**  
Cannabinoids may have benefits in the treatment of cancer-related side effects.

**BRAIN**  
Anti-Anxiety, Anti-Depressive, Antioxidant, Neuroprotective.

**WELL BEING**  
Helps to relax and to calm body and mind.

**SPINAL CORD INJURY**  
Studies have not only demonstrated CBD's pain-killing properties, but also its ability to reduce spasms and improve motor function in SCI patients.

**BONE STRUCTURE**  
CBD works by improving bone density and reducing the occurrence of bone diseases, it strengthens the collagen "bridge" that forms at the site of the break which then hardens with the new bone.

**ASTHMA**  
CBD has potent immune-suppressive and anti-inflammatory properties.

**EYES**  
Compounds found in CBD feature neuro-protection and vasodilation properties which can then assist in the conservation and treatment of glaucoma.

**HEART**  
Anti-inflammatory, Atherosclerosis, and Anti-Ischemic.

**INTESTINES**  
Cannabidiol reduces intestinal inflammation through the control of the neuro-immune system.

**STOMACH**  
Antiemetic, Appetite Control.

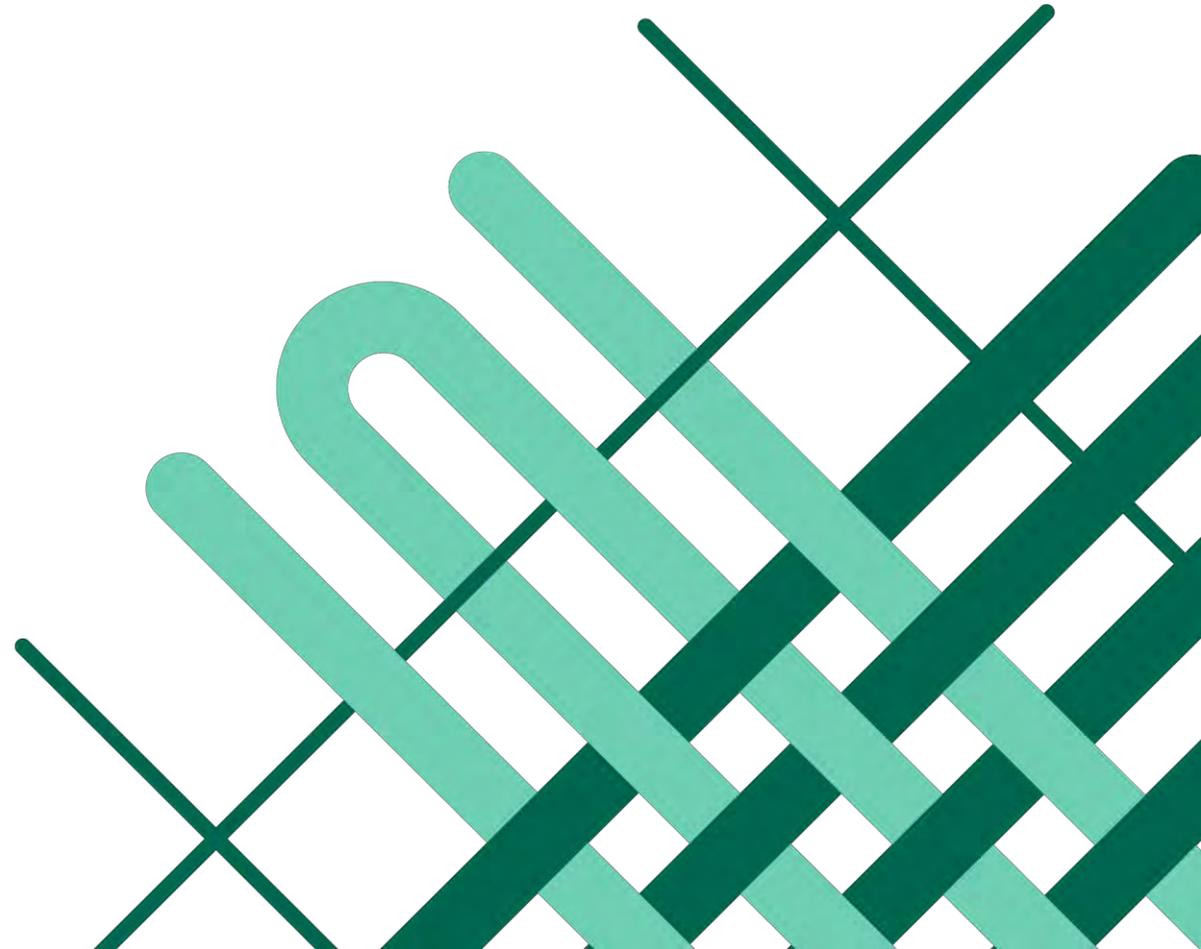
**BUYING CBD OIL**  
Discover safe, effective, and top-rated CBD products at PopularCBDBrands.com

POPULAR CBD BRANDS

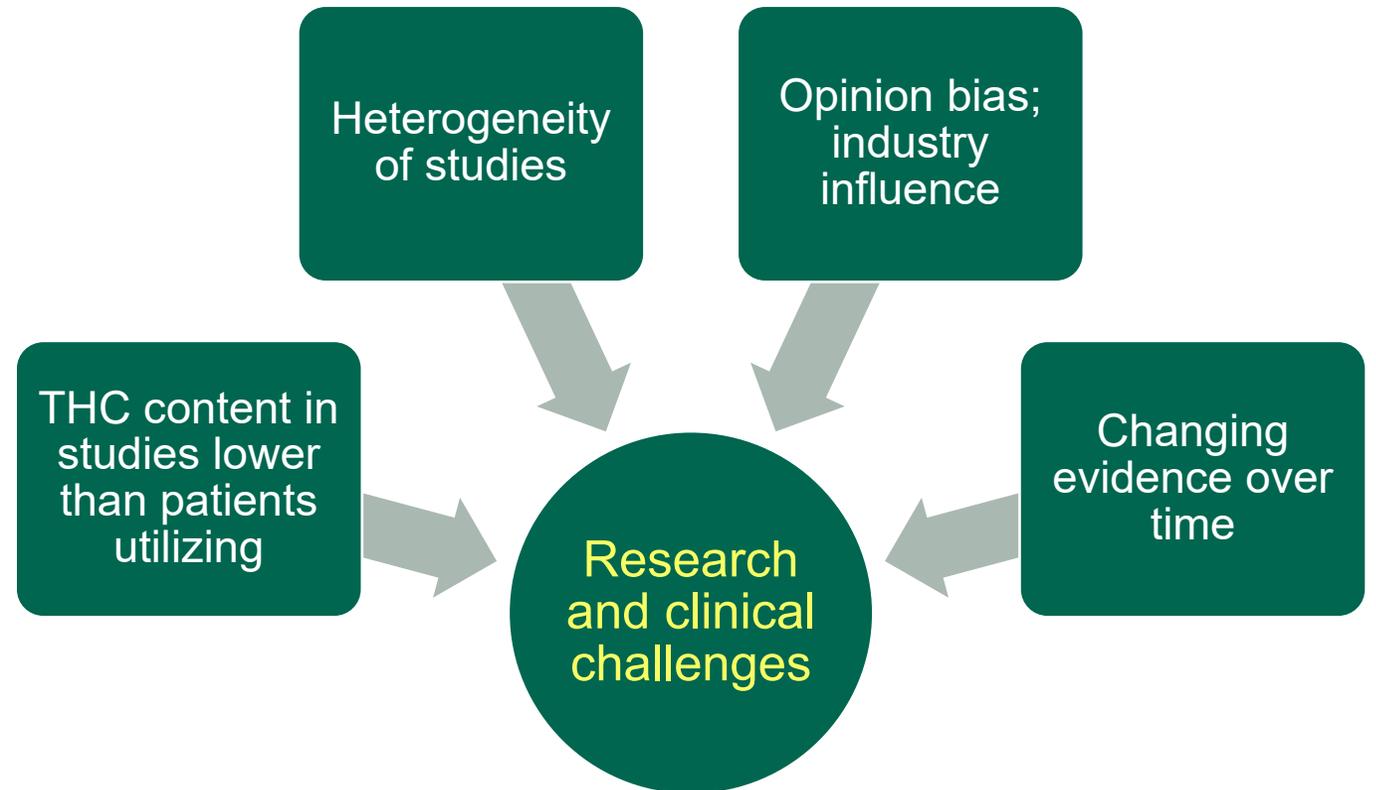
58 of 84 samples of CBD purchased online had mislabeled CBD content Bonn-Miller et al. *JAMA*. 2017;318 (17):1708-1709



# What does the evidence show about cannabis therapeutic effects?



# Cannabis evidence of effects is difficult to accurately determine



# Cannabis: Evidence of Effects

Substantial or  
conclusive evidence  
for efficacy

- Chronic pain in adults, particularly neuropathic pain<sup>1,2</sup>
- Chemotherapy-induced nausea & vomiting<sup>1,3</sup>
- Subjective spasticity multiple sclerosis<sup>1</sup>
- Epilepsy (Dravet and Lennox-Gastaut) CBD Epidiolex®<sup>4</sup>

Moderate

- Short-term sleep<sup>1,5</sup>

<sup>1</sup> NASEM; 2017 <https://www.nap.edu/catalog/24625/the-health-effects-of-cannabis-and-cannabinoids-the-current-state>; <sup>2</sup> Nugent et al. 2017; *167*(5):319-331. <sup>3</sup> Lichtman et al JPSM 2018 <https://doi.org/10.1016/j.jpainsymman.2017.09.001>

<sup>4</sup> Chow et al. Support Care in Cancer. 2020;28:2095–2103 <https://doi.org/10.1007/s00520-019-05280-4> ; MacCallum & Russo. *Eur J Int Med.* 2018;49:12-19; <sup>5</sup> Privitera et al. *Epilepsia.* 2021;62(5):1130-1140 <sup>5</sup> Bonaccorso. *Neurotoxicol.* <https://doi.org/10.1016/j.neuro.2019.08.002>

# Cannabis: Evidence of Effects

## Limited

- Appetite & weight loss in HIV/AIDS<sup>1</sup>
- Tourette symptoms<sup>1</sup>
- Anxiety symptoms in social anxiety disorders (CBD)<sup>1,2</sup>
- PTSD symptoms<sup>1</sup>
- Dementia<sup>1</sup>

## Insufficient evidence

- Cancer cachexia >appetite, > side effects, <QOL<sup>3</sup>
- Cancer – most literature preclinical<sup>4,5</sup>
- Neurodegenerative disorders<sup>1</sup>
- Irritable bowel syndrome<sup>1</sup>
- Addiction abstinence<sup>6</sup>

<sup>1</sup> NASEM. 2017; <https://www.nap.edu/catalog/24625/the-health-effects-of-cannabis-and-cannabinoids-the-current-state>; <sup>2</sup>Wright. *Cannabis Cannabinoid Res* 2020. <https://pubmed.ncbi.nlm.nih.gov/32923656/>

<sup>3</sup>Wang et al. *Biomed Res Int*. 2019; <https://doi.org/10.1155/2019/2864384>; <sup>4</sup>Abu-Amna et al. *Curr. Treat. Options in Oncol*. 2021;22:16 doi: 10.1007/s11864-020-00811; <sup>5</sup>Goyal et al. *Comp Ther Med*. 2020; <https://doi.org/10.1016/j.ctim.2020.102336>; <sup>6</sup>Bonaccorso. *Neurotoxicol*. <https://doi.org/10.1016/j.neuro.2019.08.002>

# CBD may have efficacy for symptoms such as anxiety, insomnia, addiction, and mood, but high-quality studies lacking

- Trials suggest that CBD may be effective for some anxiety<sup>1</sup>
  - Few human trials, mostly healthy males, social anxiety disorder<sup>2</sup>
- Preclinical, small clinical trials, anecdotal evidence
- *Unclear side effects of CBD use due to lack of studies*

**Take home: Evidence is lacking, but people are experimenting with use of CBD for these conditions**

<sup>1</sup>Wright. *Cannabis Cannabinoid Res* 2020. <https://pubmed.ncbi.nlm.nih.gov/32923656/>

<sup>2</sup>Bonaccorso. *Neurotoxicol*. <https://doi.org/10.1016/j.neuro.2019.08.002>

# Cannabis product formulations

## Smoked

- Rapid onset of action 5-10 min
- Duration 2-4 hr
- Bioavailability 10-30%



## Vaporization

- Rapid onset of action (peak 5-10 min)
- Metered dosing devices
- Risk of EVALI (e-cig/vaping associated lung injury)



## Edibles

- Slower onset of action 60-180 min
- Duration 6-8 hours
- Bioavailability 6% extensive first pass effects



## Transmucosal Sublingual

- More rapid onset of action than orals 15-45 minutes
- Duration 6-8 hours
- Pharmaceutical form (nabiximols) available

## Transdermal Topical

- Variable onset - duration
- Highly lipophilic
- Slow onset, stable blood levels



# Cannabis detection in urine drug testing varies

- Detection of THC in urine varies dependent on use
  - Single use 3 days
  - Moderate use (4x week) 5-7 days
  - Chronic use (daily) 10-15 days
  - Chronic heavy smoker >30 days

# What are the adverse effects or potential harms of cannabis?



# Reported THC adverse effects

## Common reported adverse effects

- **CNS**
  - Drowsiness
  - Dizziness
  - Confusion
  - Mental Clouding
  - Slurred speech
- **Physical**
  - Tachycardia and hypotension
  - Nausea
  - Fatigue
  - Dry mouth
  - Cannabis hyperemesis syndrome

# CBD also has adverse effects

- Adverse effects to CBD less studied except for FDA approved Epidiolex® for seizures
- Reported adverse effects include
  - Drowsiness/sedation
  - Mood changes
  - Interactions with prescription medications that may affect actions and cause toxicity
  - Liver toxicity
  - Reproductive and developmental effects

**Take home: People are experimenting with CBD and may not be cognizant of potential adverse effects**

# Potential harms of cannabis use

## Prenatal developmental changes

- Potential cognitive deficits, learning disabilities

## Developmental changes in adolescents

- Intellectual, motivational, maturational

## Motor vehicle accidents from acute cannabis intoxication

- Some studies show a significant correlation between high THC blood concentrations and car crash risk

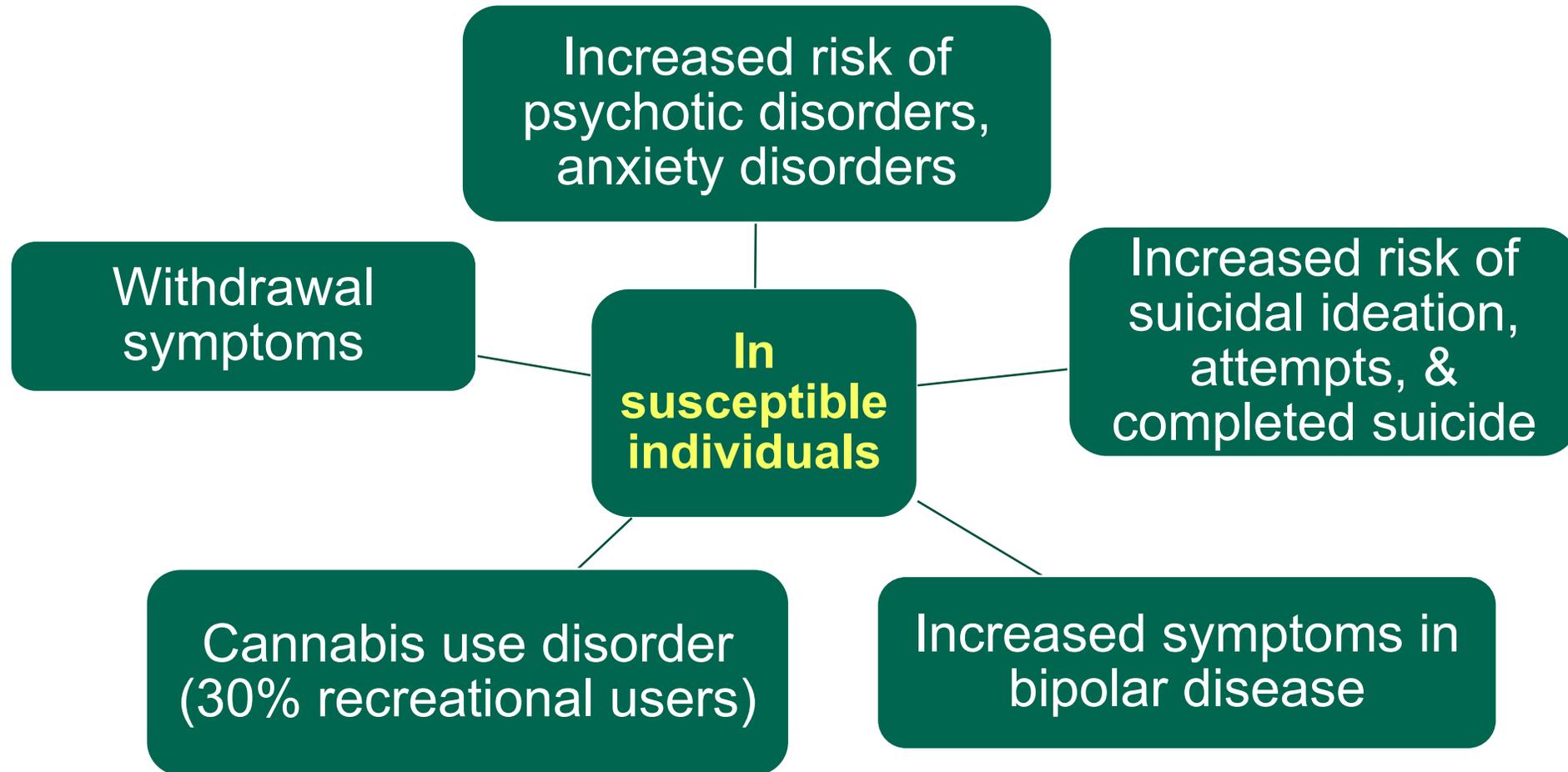
## Cardiopulmonary

- Mixed effects BP, Limited evidence - trigger MI, CVA, exacerbation COPD

# Cannabis may affect work performance

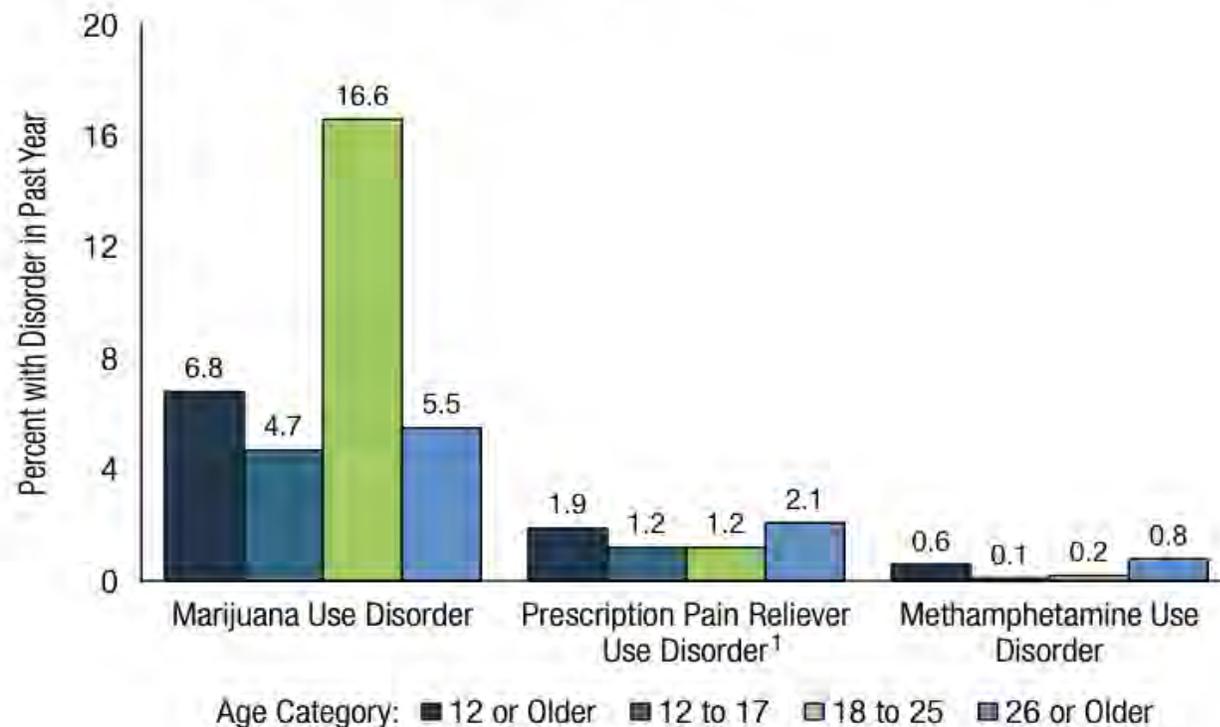
- High quality studies evaluating effect of **medical** cannabis on workplace performance lacking<sup>1</sup>
  - Reported ‘adverse effects’ such as sedation, nausea/vomiting, dizziness and euphoria could be associated with performance
- Canadian study showed 2-fold increase of injury risk for ‘workplace cannabis use’ but none for ‘non-workplace use’<sup>2</sup>
- Case control study recreational marijuana legalization adoption and workplace injuries among younger workers aged 20 to 34 years
  - Recreational cannabis legalization adoption associated with 8.4% increase in injury<sup>3</sup>

# Potential mental health harms of cannabis



# Cannabis Use Disorder (CUD) & absenteeism

**Figure 32. Marijuana Use Disorder, Prescription Pain Reliever Use Disorder, or Methamphetamine Use Disorder in the Past Year: Among People Aged 12 or Older; 2023**



Dose-response relationship observed between CUD severity and skipping work<sup>2</sup>

## Some take away considerations

- Cannabis use is common in the U.S.
- People use cannabis for diverse reasons
- Laws and regulations are variable at state levels
- Cannabis use may impact individual well-being, work performance and workplace safety

# Selected References

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- Substance Abuse and Mental Health Services Administration. Know the risks, effects and side effects of marijuana. <https://www.samhsa.gov/substance-use/learn/marijuana/risks> (updated 11/2024)
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- Yang KH, Mueller L, El-Shahawy O, Palamar JJ. Cannabis Use, Use Disorder, and Workplace Absenteeism in the U.S., 2021–2022. *American Journal of Preventive Medicine*. 2024;67(6):803-810. doi:10.1016/j.amepre.2024.07.021

# Thank you





WELCOME to the  
*Cannabis in the Workplace: An ECHO on  
Health, Safety, and Management*

*Session 2, Impact of Cannabis on the Workplace, June 25, 2025*





# Marijuana in the Workplace

***Douglas W Martin MD FACOEM FAAFP FIAIME***

***CNOS Occupational Medicine***

## Disclosure of Conflicts of Interest Regarding MRO and Fitness for Duty

### ACOEM

- MRO Section Chair (2000-2020) volunteer
- Marijuana in the Workplace Taskforce (2015-present) volunteer
- MRO Comprehensive and Fast Track Course Chair (honoraria)
- Past President (2022-2023) volunteer
- Board of Directors (2025-2028) volunteer
- ACOEM Practice Guidelines Panel (volunteer)

### MROCC

- Board of Directors (2022-present) stipend
- Secretary/Treasurer (2023-present)

### Springer Publications

- *Independent Medical Evaluation – A Practical Guide* (royalty)

### AMA

- *AMA Guides to the Evaluation of Workability and Return to Work 2<sup>nd</sup> ed Chapter 10 – The Challenges to and the Importance of the Primary Care Physician's Role in Return to Work.* (unpaid)

# Principle Sources of Data on Drug Use

## **1. National Survey on Drug Use and Health (NSDUH) – SAMHSA**

- Annual survey of those age 12 and older in civilian households and non-institutionalized group quarters
- 2022 expanded from household interviews to include web

## **2. Monitoring the Future Survey – NIDA through U. of Michigan**

- Annual survey of 8<sup>th</sup>, 10<sup>th</sup>, and 12<sup>th</sup> grade secondary school students

## **3. Drug Abuse Warning Network (DAWN) - SAMHSA**

- Tracked drug-related ED visits in 52 hospitals through 2021

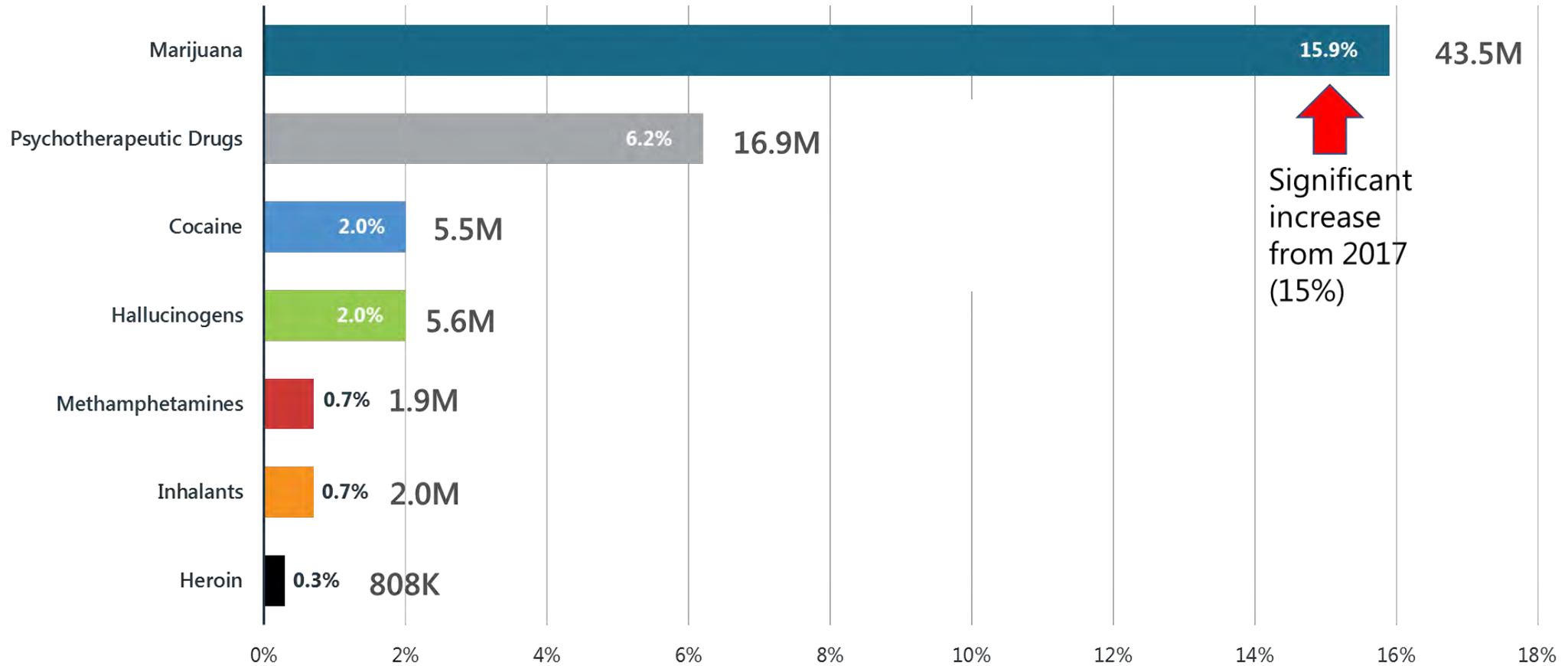
## **4. National Drug Early Warning System (NDEWS) - NIDA**

- 18 sentinel communities throughout US, expanded in 2020

# OBJECTIVES

- Review incidence and demographics of worker cannabis use
- Articulate the current consensus recommendations regarding safety sensitive work
- Identify challenges and future goals regarding the determination of work performance and cannabis use

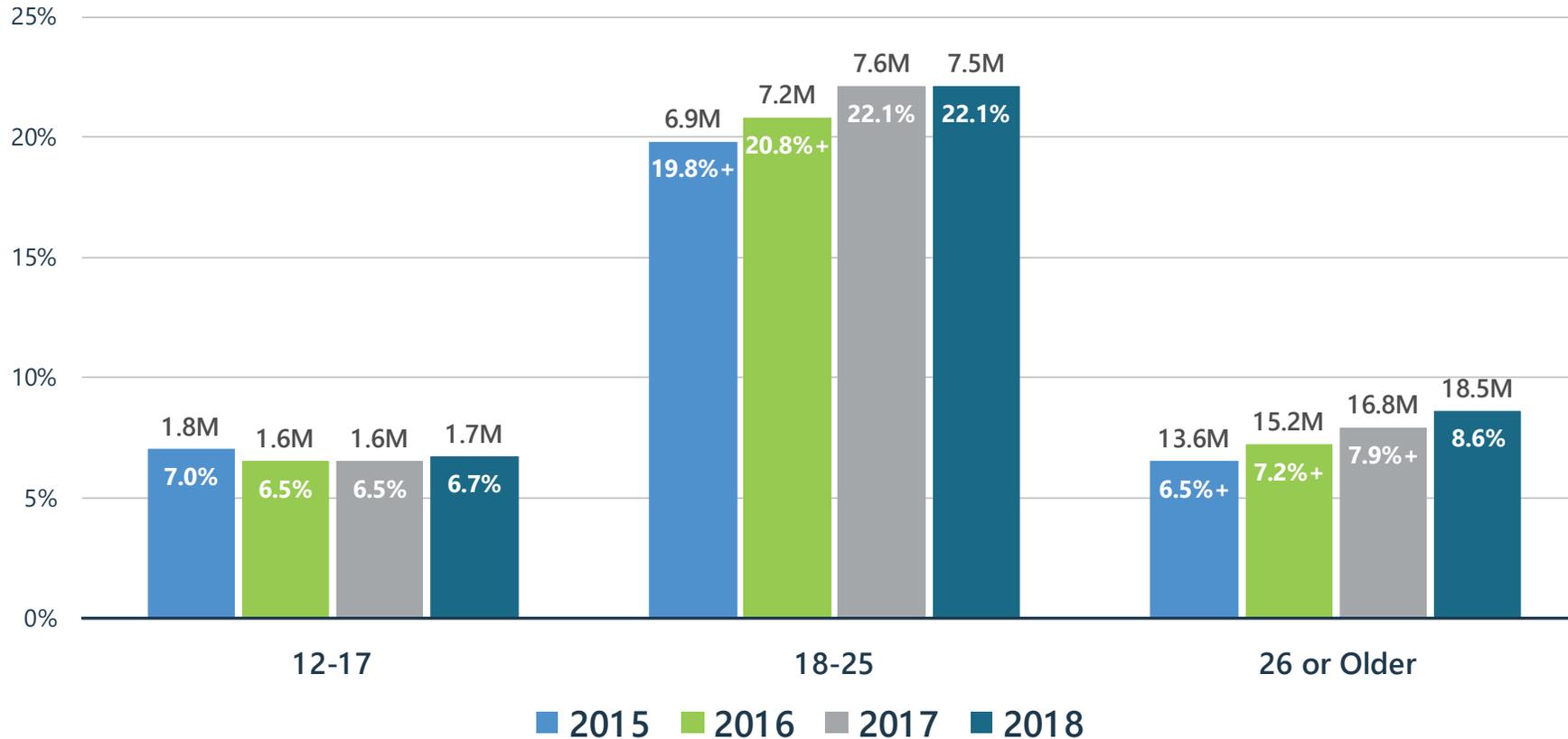
# Most Commonly Used Drugs

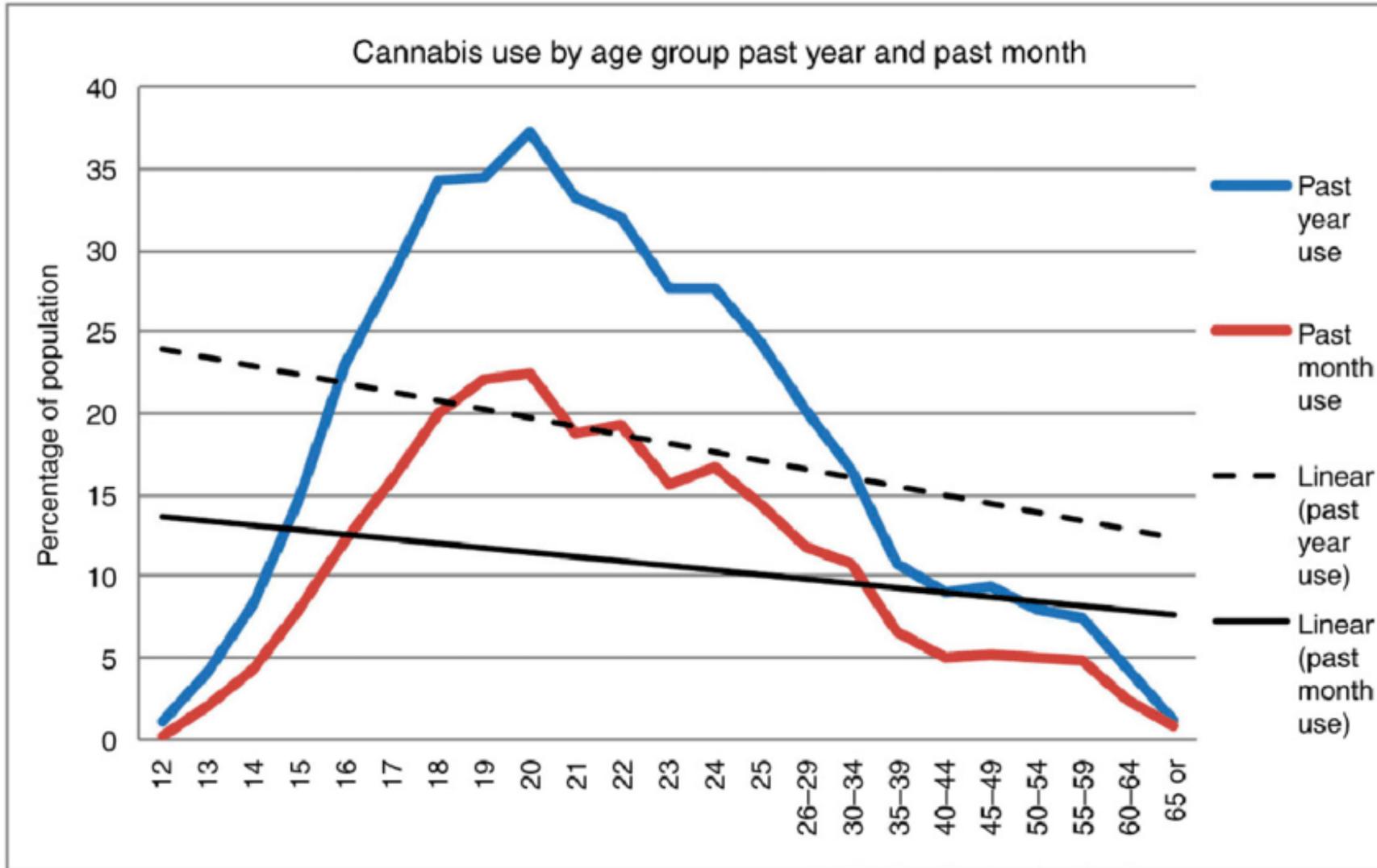


Past year, 12+  
National Survey on Drug Use & Health, 2018  
<https://x.com/samhsagov/status/1164201504825335810>

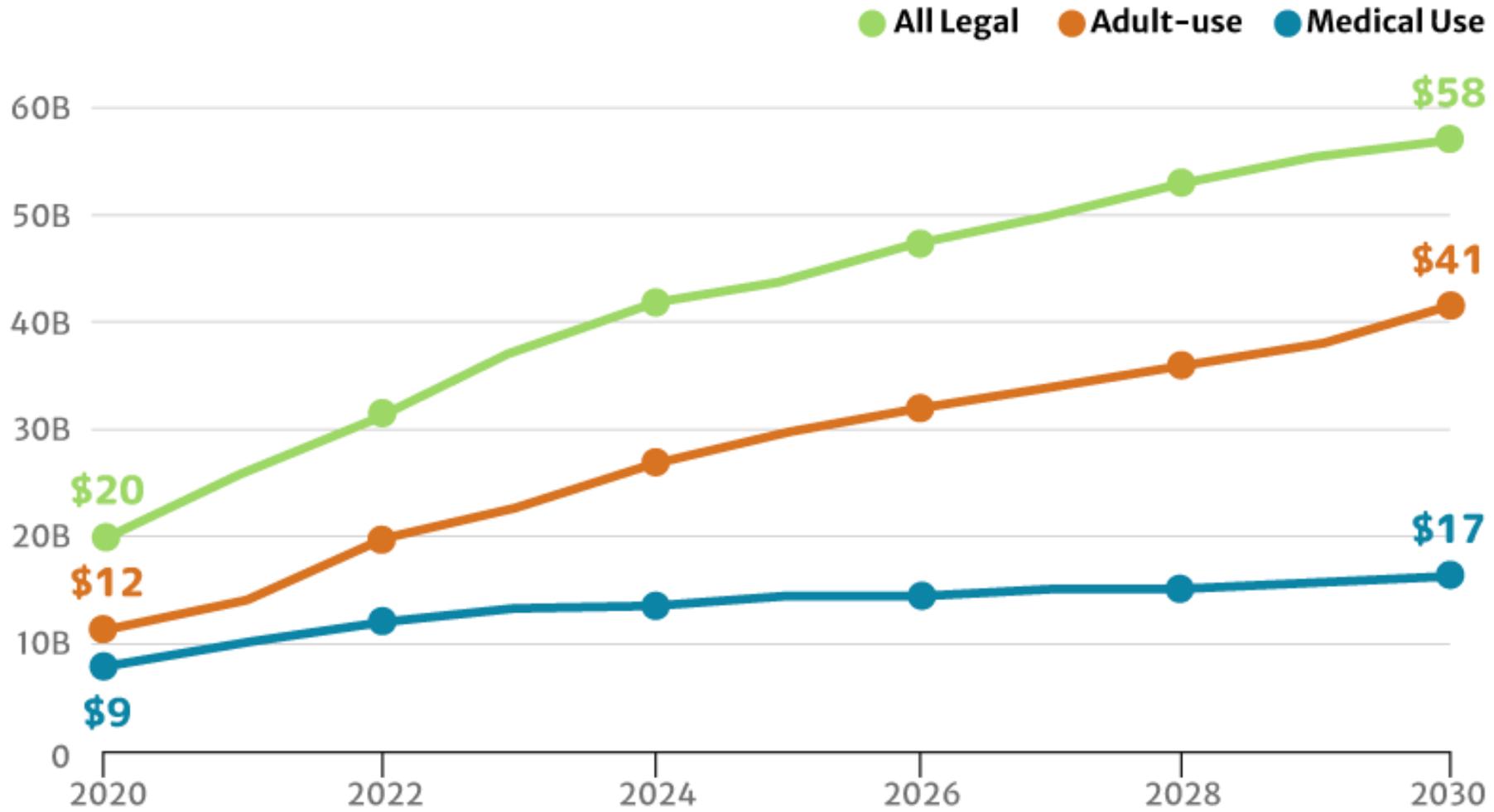
# Marijuana Use

+ Difference between this estimate and the 2018 estimate is statistically significant at the .05 level.



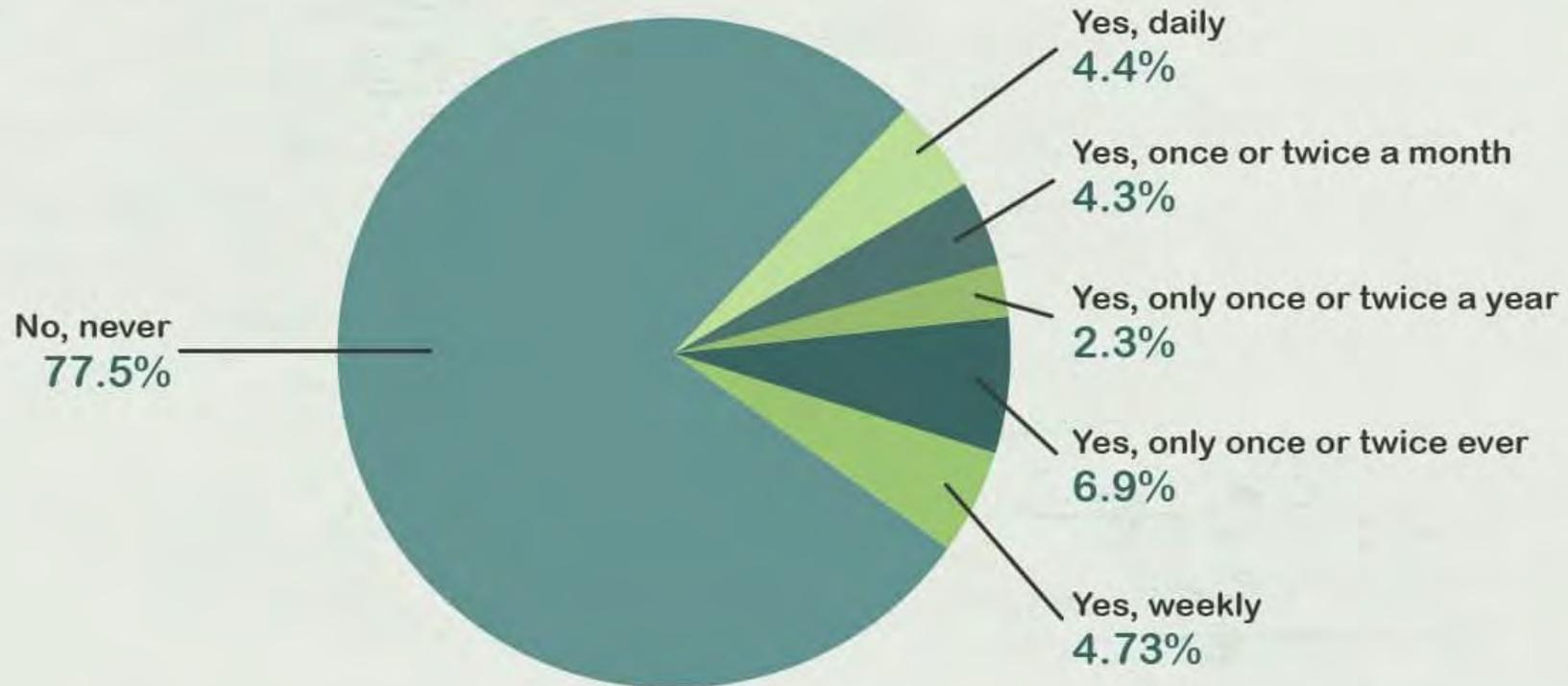


## Projected Sales of Legal Marijuana in the US



## RECREATIONAL MARIJUANA USE IN THE WORKPLACE

What percentage of people say they use recreational marijuana in the workplace?



Created by Drugabuse.com

# Legalization of Cannabis – Implications for Workplace Safety

Statement from the American College of Occupational and Environmental Medicine  
August 2023



AMERICAN COLLEGE OF  
OCCUPATIONAL AND  
ENVIRONMENTAL MEDICINE

## ACOEM POSITION STATEMENT

### *Legalization of Cannabis – Implications for Workplace Safety*

STATEMENT FROM THE AMERICAN COLLEGE OF OCCUPATIONAL AND ENVIRONMENTAL MEDICINE

The American College of Occupational and Environmental Medicine (ACOEM) is the largest international medical society representing occupational and environmental medicine (OEM) physicians and associated health care professionals. The College provides leadership to promote optimal health and safety of workers, workplaces, and environments.

Cannabis has the capacity to impair neurocognitive and psychomotor function, and its legalization has huge public health implications. Before Congress passes any legislation regarding cannabis, the College urges that the impact of such legislation on workplace safety be considered. To date, the house of medicine has not addressed the impact of cannabis on workplace safety.

Employers have a legal responsibility to protect employees from workplace illness or injury under the Occupational Safety and Health Administration's general duty clause. Employers also have an ethical responsibility to prevent impaired workers from exposing themselves, their co-workers, and/or the general public to risk of harm. Regardless of cannabis' legal status in a jurisdiction, ACOEM strongly

# ACOEM Comment on Rescheduling of Marijuana July 22, 2024



AMERICAN COLLEGE OF  
OCCUPATIONAL AND  
ENVIRONMENTAL MEDICINE

July 22, 2024

## VIA ELECTRONIC SUBMISSION

The Honorable Merrick B. Garland  
Attorney General  
U.S. Department of Justice  
950 Pennsylvania Avenue, N.W.  
Washington, DC 20530

The Honorable Anne Milgram  
Administrator  
Drug Enforcement Administration  
8701 Morrisette Drive  
Springfield, VA 22152

**RE: Comments on Proposed "Schedules of Controlled Substances: Rescheduling of Marijuana" [Docket No. DEA-1362; A.G. Order No. 5931-2024]**

Dear Attorney General Garland and Administrator Milgram,

The American College of Occupational and Environmental Medicine (ACOEM) appreciates this opportunity to comment upon the Department of Justice's (DOJ) proposal to transfer marijuana from schedule I of the Controlled Substances Act (CSA) to schedule III of the CSA, "Schedules of Controlled Substances: Rescheduling of Marijuana"<sup>1</sup> (Docket No. DEA-1362; A.G. Order No. 5931-2024) [Referred to as "NPRM" within]. Founded in 1916, ACOEM is the nation's largest medical society dedicated to promoting worker health through preventive medicine, clinical care, research, and education. The College represents Occupational and Environmental Medicine (OEM) physicians and other healthcare professionals devoted to preventing and managing occupational and environmental injuries and exposures.

While ACOEM does not have a formal position on the legalization of marijuana, we are acutely concerned about the broad public health and safety consequences of the reclassification of

[https://acoem.org/acoem/media/PDF-Library/07-22-24\\_ACOEM\\_Comments\\_DOJ\\_Marijuana\\_Rescheduling\\_NPRM.pdf](https://acoem.org/acoem/media/PDF-Library/07-22-24_ACOEM_Comments_DOJ_Marijuana_Rescheduling_NPRM.pdf)

## What Forms the Basis for the ACOEM Position Statement (and adopted by other organizations?)

- Mainly from research on the effects of driving
- **“Determining the magnitude and duration of acute  $\Delta 9$ -tetrahydrocannabinol ( $\Delta 9$ -THC)-induced driving and cognitive impairment: A systematic and meta-analytic review”**  
***Neuroscience and Biobehavioral Reviews*, July ‘21, D. McCartney, et. al.**
- Cannabis impairs driving performance and crucial cognitive skills.
- Following inhalation  $\Delta 9$ -THC 20mg, driving-related cognitive skills are predicted to recover within ~5 hours, and nearly all within 7 hours. Impairment from oral consumption of  $\Delta 9$ -THC may persist for a longer duration.
- The magnitude of impairment varies based on factors like dosage, time elapsed after consumption, tolerance, route of administration and the specific cognitive skill being evaluated.

# Cannabinoid Use for Safety-Critical Workers

ACOEM Practice Guidelines - effective January 28, 2025

## Not Recommended

Acute or chronic cannabinoid use is not recommended for individuals who perform safety-critical jobs. These jobs include the operation of motor vehicles, forklifts, overhead cranes, heavy equipment, or other modes of transportation; sharps work (e.g., knives); work with injury risks (e.g., heights); and tasks involving high levels of cognitive function and judgment. There are other management strategies with less risk of impairment.

**Strength of evidence** Not Recommended, Evidence (C)

**Level of confidence** Moderate

## Rationale

See the section on Adverse Events for details on motor vehicle collision and injury risk. Epidemiological and driving simulator studies are largely consistent that there is significant risk of motor vehicle crashes associated with cannabinoids. Thus, the preclusion of safety-critical job functions while under treatment with either medical or recreational cannabinoids is recommended.

## Recent Literature on Workplace Accidents

**“Recreational Marijuana Legalization and Workplace Injuries Among Younger Workers” *JAMA*, Feb., ‘24, L. Li, et. al.**

- ~10% increase in on-the-job injuries among 20-to 34-year-old workers in RCL (recreational cannabis law) states.
- Injury rate per 100 workers rose 8.4% in RCL states.
- In contrast, no link between workplace injuries and cannabis use was found in the states that don't permit the sale of cannabis for recreational use.
- Authors speculated older workers use cannabis for pain management and sleep disorders > recreational purposes.

# Occupational & Environmental Association of Canada Position Statement on Cannabis Use and Work

*“It is recognized that the timing and duration of cannabis impairment is variable and that more research is needed in this regard. To provide practical guidance, until definitive evidence is available, it is not advisable to operate motor vehicles or equipment or engage in other safety-sensitive tasks for 24 hours following cannabis consumption, or for longer if impairment persists.”*

# Workplace Performance and Cannabis

- There is not much research on this topic.
- What is published is mixed
- One study, reported by the National Institute on Drug Abuse (NIDA), found 55% more industrial accidents, 85% more injuries, and 75% greater absenteeism among employees who tested positive for marijuana compared to those who tested negative.  
[NIDA Report: Marijuana https://www.drugabuse.gov/publications/research-reports/marijuana](https://www.drugabuse.gov/publications/research-reports/marijuana)
- However, not all research is as conclusive:  
A systematic review published in May 2020 found that the current body of literature does not provide sufficient evidence that marijuana users are at increased or decreased risk for occupational injury, and that further high-quality research is needed to eliminate study biases and provide clarity on causality.

## Everyone Is Looking for the Magic Test That Can Predict Worker Fitness, But....

- No conclusive test for impairment
- Stratification of risk: low, moderate, high risk of impairment (useful?)
- Factors include:
  - a. THC dosage
  - b. Route of administration
  - c. Concurrent medications
  - d. Recreational substance use
  - e. Education and monitoring, HCP, Products

# Takeaways

- Both medicinal and recreational cannabis is here to stay
- There is rightful concern about workers who use cannabis regarding safety sensitive job tasks and overall worker performance
- WE NEED MORE RESEARCH
- The struggle on surveillance, monitoring, and implementation of policies focused on worker health and risk mitigation continues and is not simple.

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