



Lessons Learned from Marijuana Legalization

What is SAM?



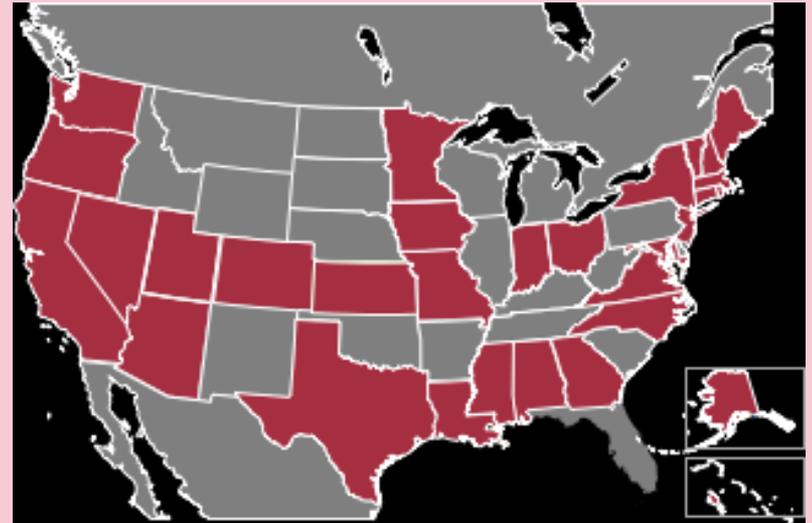
- A 501(c)(3) non-profit, educational organization funded by volunteers & private organizations
- Our mission:
 - Educate citizens on the science of marijuana
 - Promote **health-first, smart policies and attitudes** that decrease marijuana use and its consequences

SAM promotes an evidence-based approach to marijuana policy that prioritizes public health

- **Non-partisan but high-profile:** founded by former Democratic Congressman Patrick Kennedy and leading Republican pundit David Frum
- **Scientific advisory board** of 12 leading researchers, professors, and public health/legal experts.
- **Hundreds of thousands of press mentions**, including major media outlets such as:



Several state and national affiliates



Two Organizations, One Mission



- SAM Action is dedicated to promoting healthy marijuana policies that do not legalize drugs.
- Active at all levels of national, state, and local policy-making
- Invests in and starts organizations to promote smart marijuana policies



- SAM's mission is to educate citizens on the science of marijuana and to promote health-first, smart policies and attitudes that decrease marijuana use and its consequences.
- Brings light to and conducts research into marijuana's negative effects

Groups SAM has collaborated with

- American Society of Addiction Medicine
- American Academy of Pediatrics
- National Business Group on Health
- American Academy of Child and Adolescent Psychiatry
- Other leading public health authorities
- Over 30 state affiliates, including:
 - Treatment centers
 - Recovery groups
 - Prevention organizations
 - Law enforcement
 - Leading medical authorities
 - Volunteer citizens
 - Business groups

We are in 1918...



20,679 Physicians
say **LUCKIES** are
less irritating

I too prefer LUCKIES
because...

Toasting removes dangerous irritants that cause throat irritation and coughing

“It’s toasted”
Your Throat Protection—
against irritation—against cough.

©1918, The American Tobacco Co., Inc.

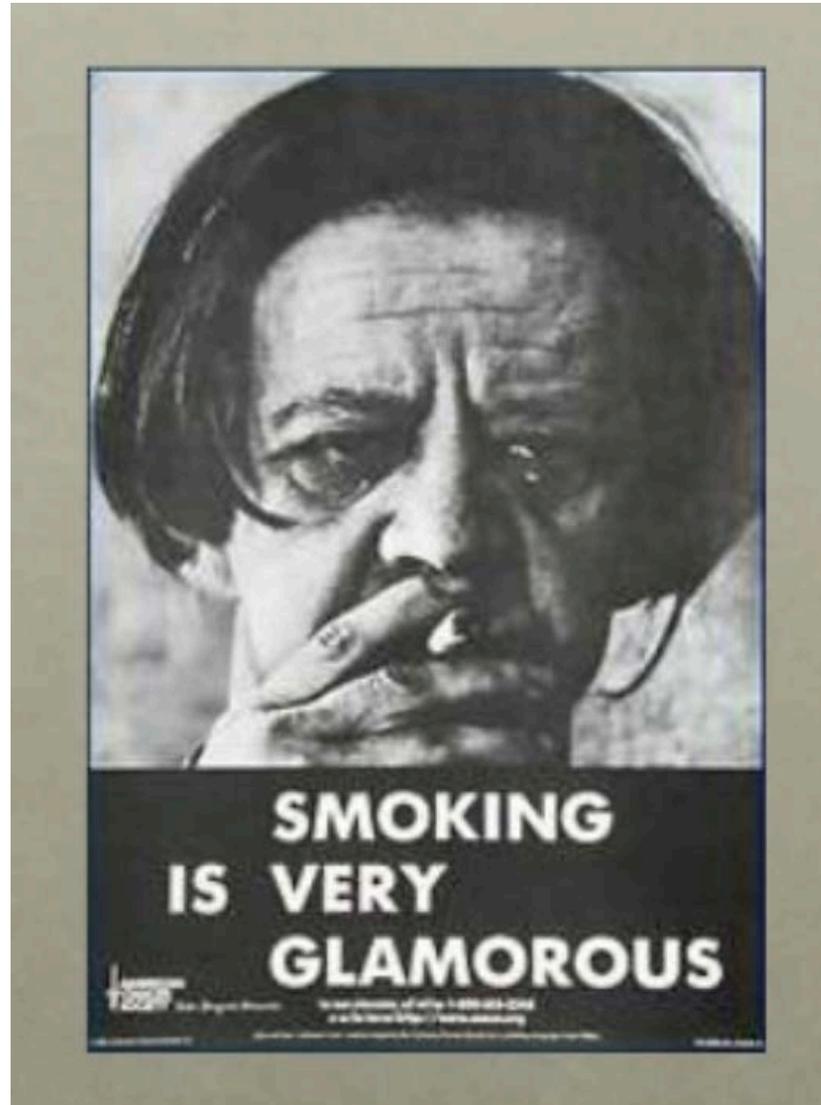
Refuse substitutes; buy the advertised brand every time!

- ✓ Beautiful Betty Grable, died of lung cancer aged 56.
 - ✓ Humphrey Bogart, smoking glamour personified, would light up, "One for me and one for my chick." Died at 57 of esophageal cancer.
 - ✓ Lung cancer stopped Lucille Ball and Desi Arnaz in their prime.
 - ✓ Singer, Nat King Cole? He died of lung cancer aged 45.. Yul Brynner and Robert Mitchum — lung cancer. Lana Turner and The Marlboro Man — throat cancer.
- ~ all died prematurely from smoking.

(Sulzberger & Bates, n.d.)



Being Bold, Laying A Foundation





The false dichotomy: “Legalization OR incarceration?”



VS



Three separate issues that often get conflated

1

Penalizing drug users/
"decriminalization"



2

Medicinal use of
compounds
derived from
marijuana



3

Legalization of
marijuana for
"non-medical"
use



Not This...



...But This



It's Also About This...



Are We Sure? 

AreWeSure.net

And This...



NEWS

HEALTH

CULTURE

GROW

PRODUCTS

EVENTS

SUBSCRIBE

TV

INVEST

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CANNABIS VOTER PROJECT
ORGANIZED BY HEADCOUNT

- REGISTER TO VOTE
- TRACK CONGRESS
- GET COOL TEES

MEDICAL MARIJUANA

Home » Health » MMJ

Former Big Pharma OxyContin CEO Now Selling Medical Cannabis



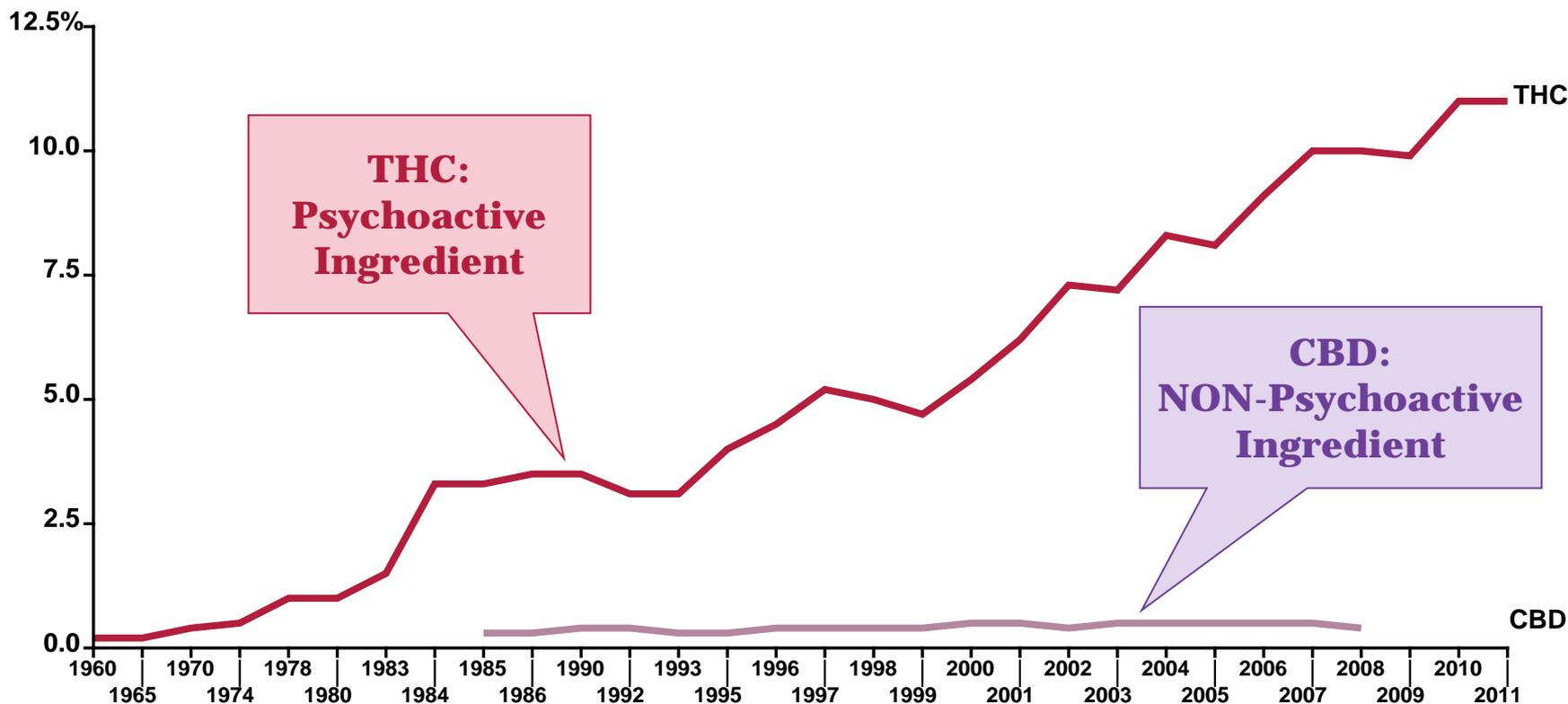
Published 2 years ago on November 29, 2016

By **Maureen Meehan**

Marijuana's effects on health

Marijuana has become significantly more potent since the 1960s

Average THC and CBD levels in the United States



CBD						0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.4					
THC	0.2	0.2	0.4	0.5	1.0	1.0	1.5	3.3	3.3	3.5	3.5	3.1	3.1	4.0	4.5	5.2	5.0	4.7	5.4	6.2	7.3	7.2	8.3	8.1	9.1	10.0	10.0	9.9	11.0	11.0

Marijuana is not “just a plant” anymore – derivatives contain up to 98% THC



*“Green Crack”
wax*



“Ear Wax”



Butane Hash Oil
(BHO)



Hash Oil Capsules



“Budder”

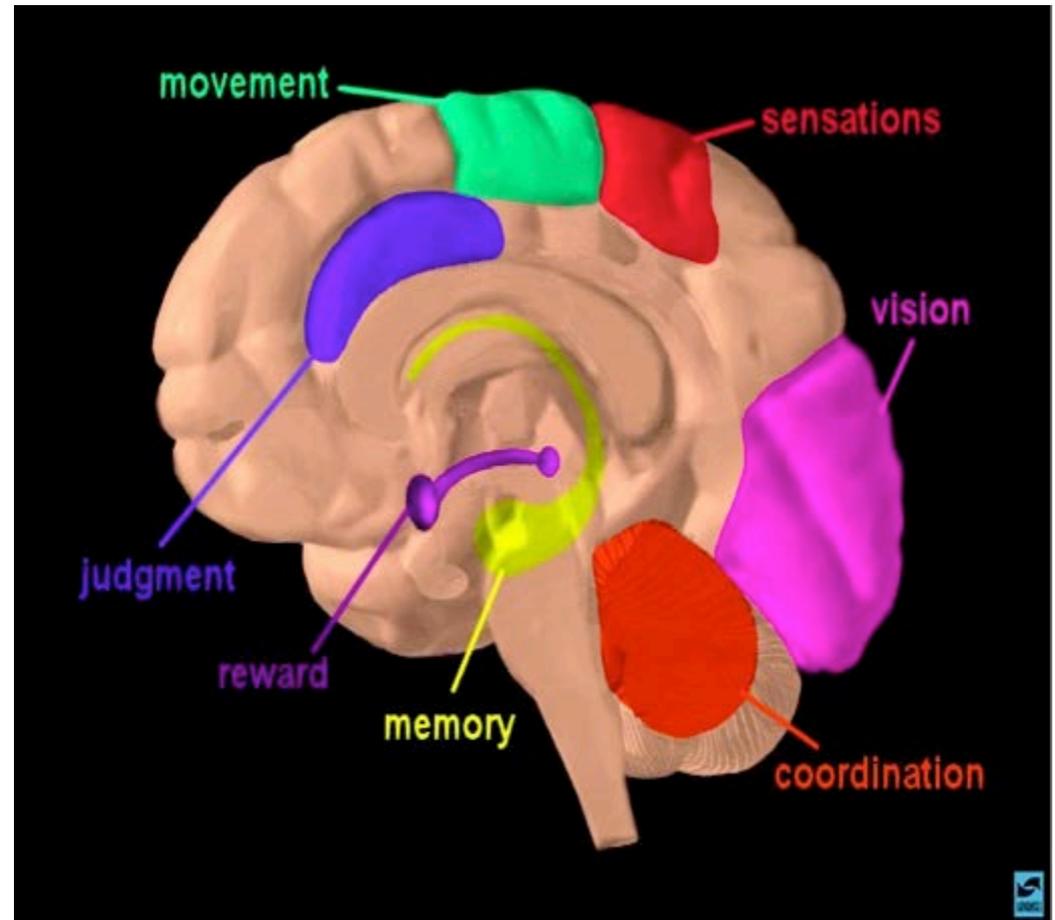
Copyright © SAM and the Show Authors.
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“Shatter”



Cannabinoid Receptors Are Located Throughout the Brain and Regulate a Host of Brain Activity

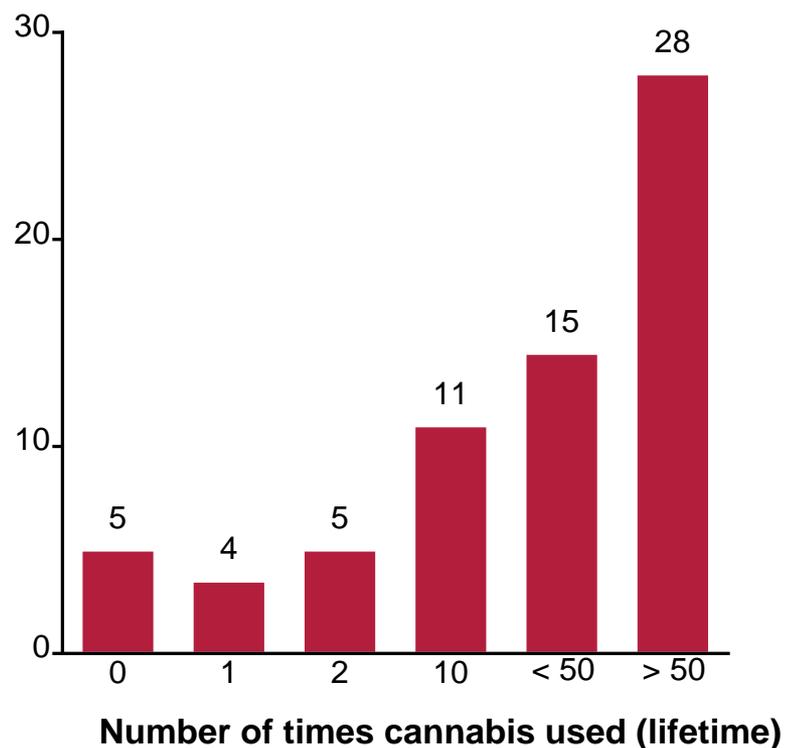
- Brain Development
- Memory & Cognition
- Motivational Systems & Reward
- Appetite
- Immunological Function
- Reproduction
- Movement Coordination
- Pain Regulation & Analgesia



Pot use is strongly correlated with psychosis

MORE MARIJUANA USE CORRELATES WITH HIGHER RATES OF SCHIZOPHRENIA

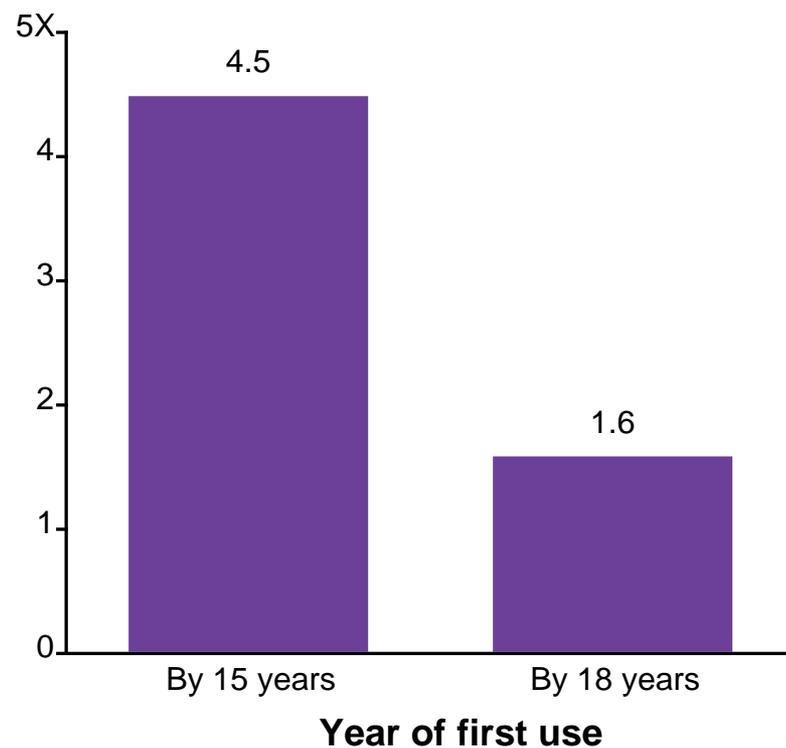
Cases of schizophrenia per 1,000 people



Study of Swedish Conscripts (n=45570)

EARLIER AGE OF USE CORRELATES WITH INCREASED SCHIZOPHRENIA RISK

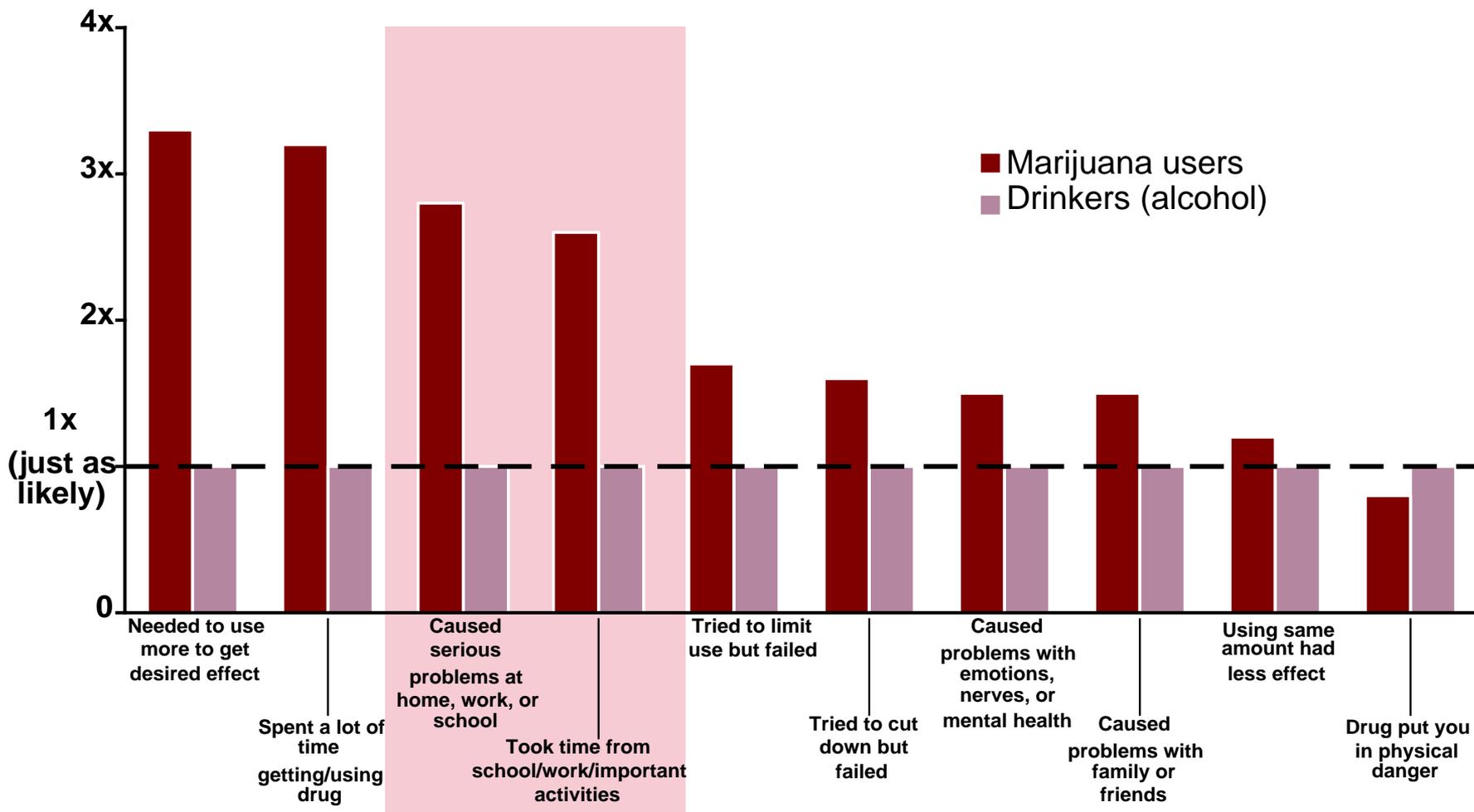
Risk multiple for schizophrenia-like psychosis at age 26



Longitudinal prospective Dunedin study (n=1037)

"Safer than alcohol?" Not exactly...

Relative frequency of problem



The Industry Today



First 200* receive a gift bag containing one joint, one sample of premium flowers, and a Bite from Bliss Edibles
*with \$10 donation minimum



1

Kid-friendly: comes in shapes & colors attractive to children, like **candy and soda**

2

95%

Potent: often made w/ concentrates of up to **95% pure THC** (joints are ~ 15% THC)

3

\$\$\$

Aggressive marketing: free samples, billboard advertising, and other **Big Tobacco tactics**

4

Contaminants: In 2015, CO recalled 100s of thousands of edibles containing **banned pesticides**

5

Fighting regulation: The pot industry has lobbied hard against regulation (e.g., warning labels, dosing rules, and bans on ads targeting kids)

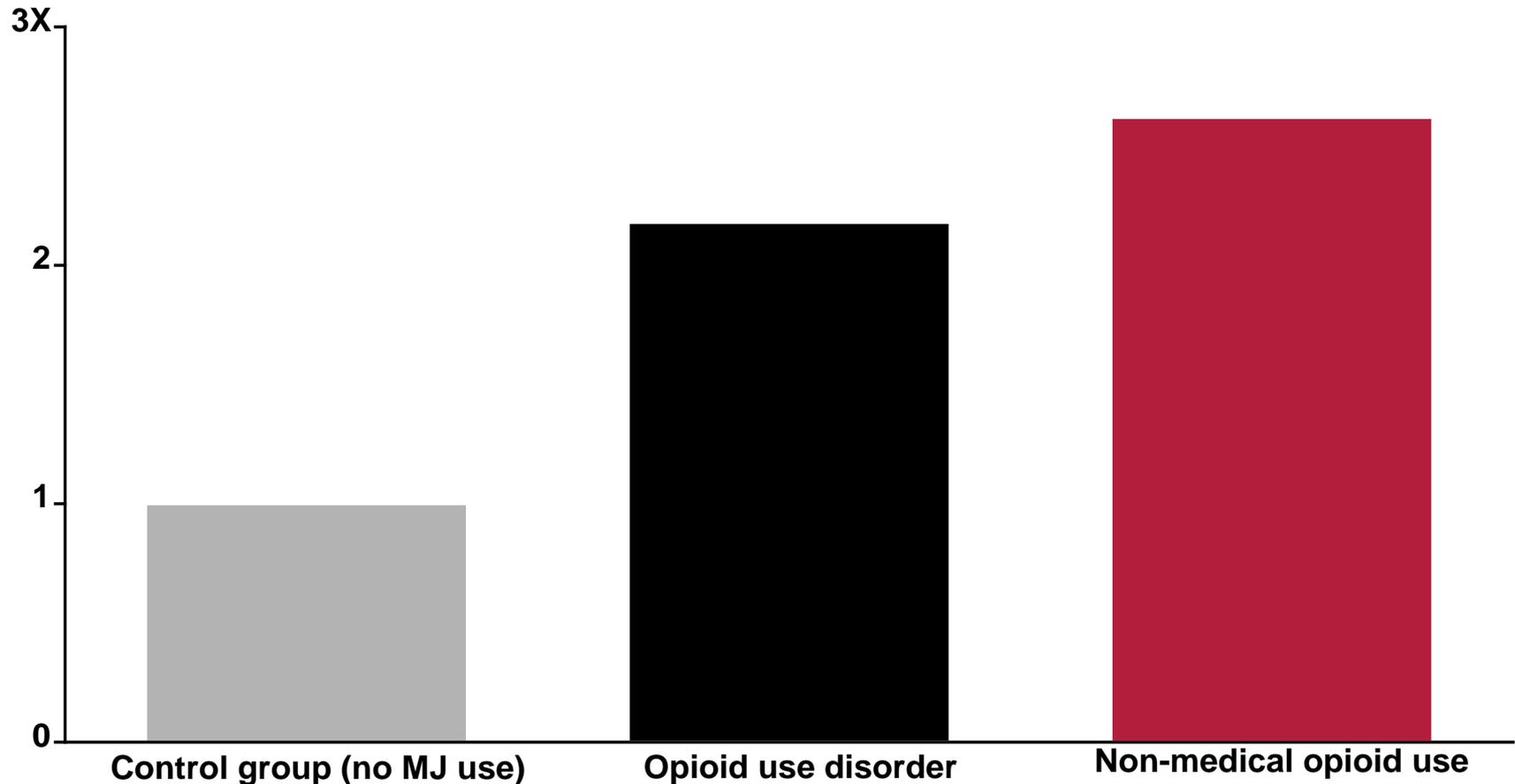
Why talk
POT



During an
opiate
epidemic?

Marijuana use goes hand-in-hand with increased prescription opioid abuse

Chance of subsequent opioid abuse for marijuana users compared to control group



The Marijuana Industry Sees a Business Opportunity

8604
24464

CLEARCHANNEL

**States that legalized
marijuana had 25% fewer
opioid-related deaths.**

weedmaps

October 2014 Medical Cannabis Laws & Opioid Analgesic Overdose Mortality in the United States, 1999-2010, Marcus A. Bachhuber et. Al. (JAMA Intern Med.)

get it on
Google Play

Download on the
App Store

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CLEAR CHANNEL

States with ice cream
eaters had 25% more fewer
drowning deaths.

weedmaps

October 2014 Medical Cannabis Laws & Opioid Analgesic Overdose Mortality in the United States,
1999-2010, Marcus A. Bachhuber et. Al. (JAMA Intern Med.)

GET IT ON
Google Play

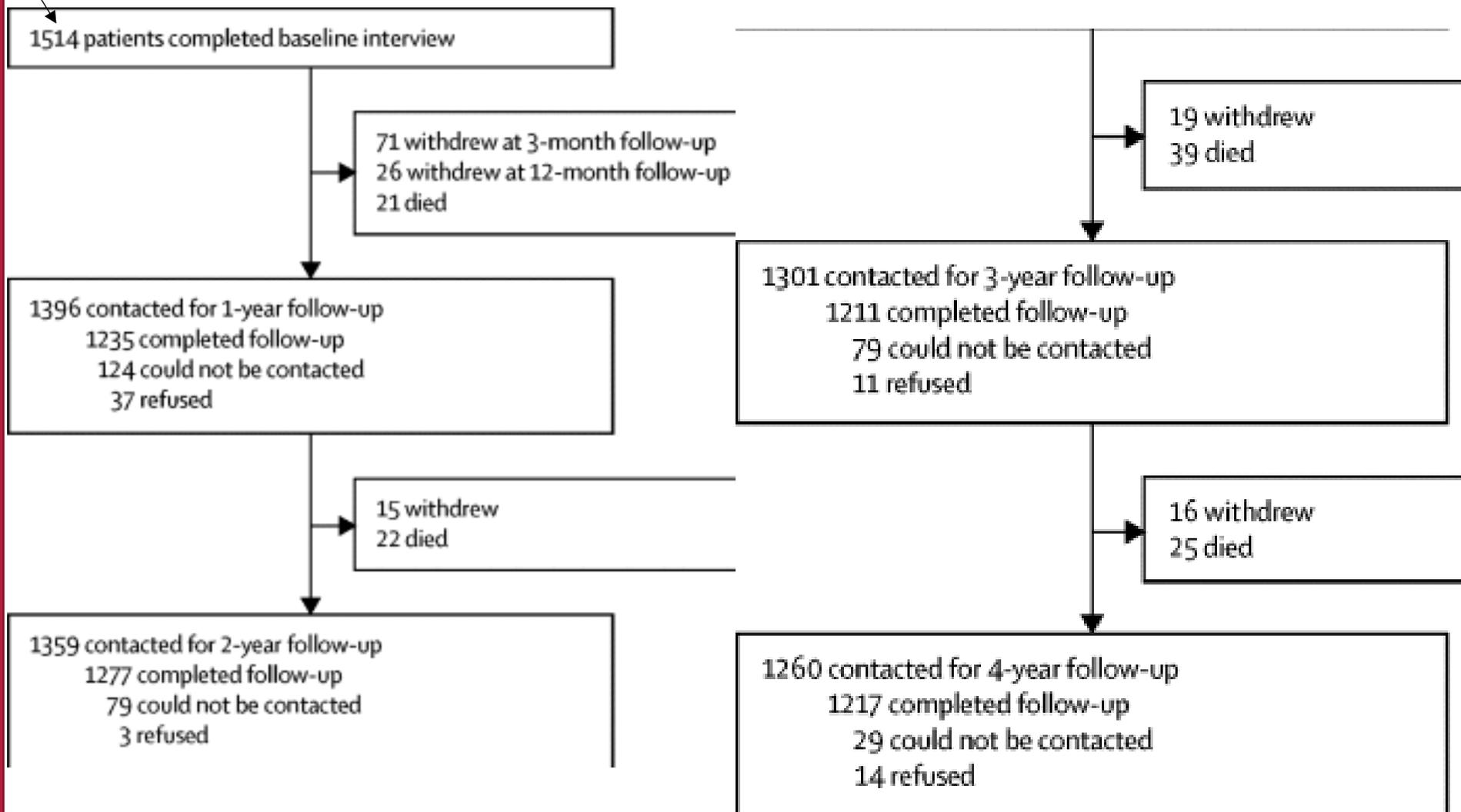
Download on the
App Store

Something doesn't add up...

In the 2014 JAMA Study:

- The raw data showed that medical marijuana states had **higher** rates of opioid deaths until the authors introduced four possible reasons.
- The study lumped together highly restricted states with highly permissive states.
- The study left out critical alternative explanations, like **expanded Medication Assisted Treatment programs** or **expanded Naltrexone use**.

Lancet Study



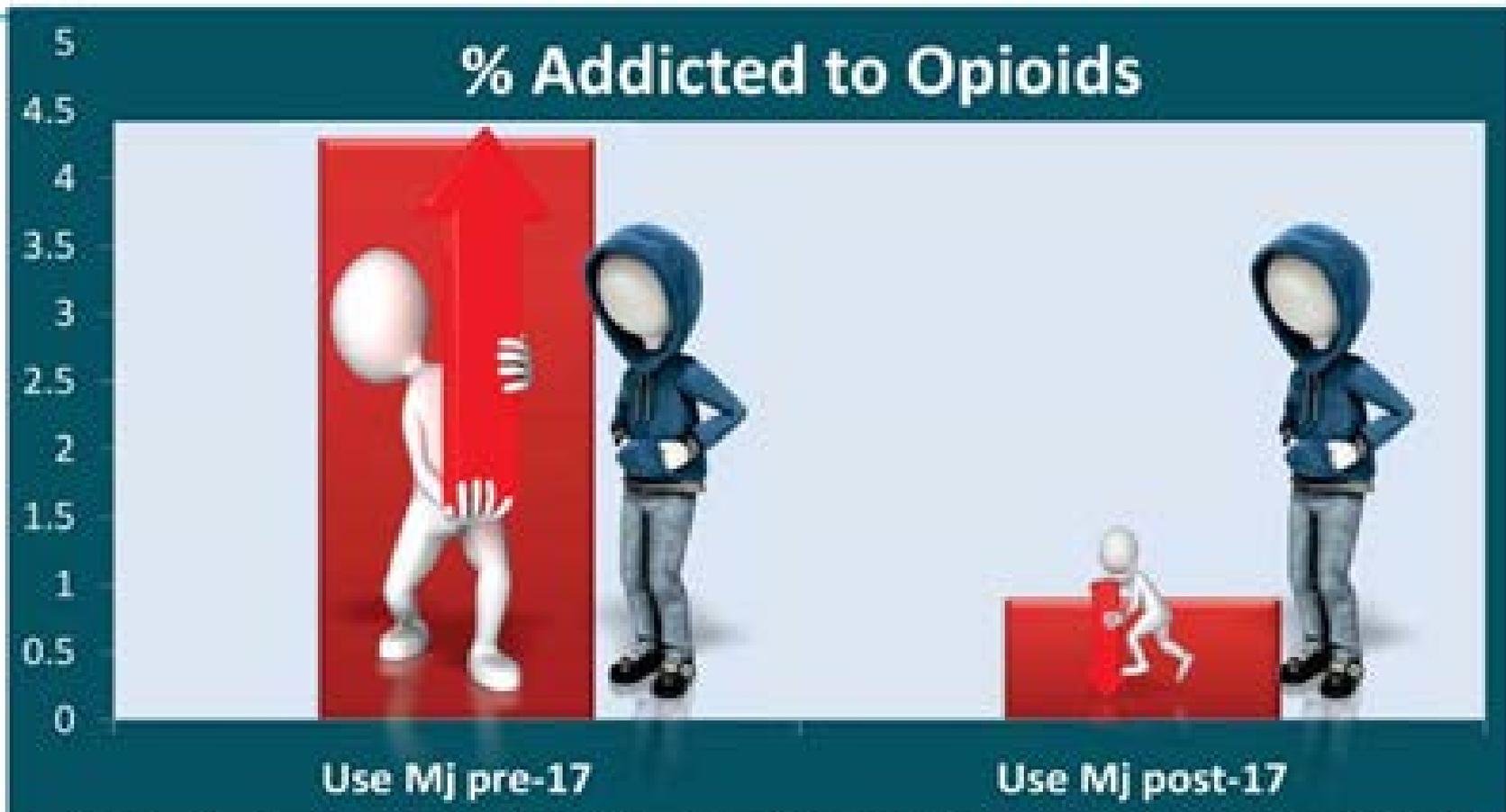
Lancet Conclusions

- No evidence that cannabis use improved patient outcomes;
- Those who used cannabis had **greater pain and lower self-efficacy in managing pain**
- No evidence that cannabis use reduced pain interference or exerted an opioid-sparing effect

Adolescent Marijuana Use - Opioid Addiction...

Twin A started marijuana before age 17

Twin B after age 17: Twin A is 4x more at risk for opioid addiction



National Academy of Sciences report

EXPOSURE

Smoking cannabis during pregnancy is linked to lower birth weight in the offspring.

The relationship between smoking cannabis during pregnancy and other pregnancy and childhood outcomes is unclear.

PROBLEM CANNABIS USE

Greater frequency of cannabis use increases the likelihood of developing problem cannabis use.

Initiating cannabis use at a younger age increases the likelihood of developing problem cannabis use.

CANNABIS USE AND ABUSE OF OTHER SUBSTANCES

Cannabis use is likely to increase the risk for developing substance dependence (other than cannabis use disorder).

A limited number of studies suggest that there are impairments in cognitive domains of learning, memory, and attention in individuals who have stopped smoking cannabis.

Cannabis use during adolescence is related to impairments in subsequent academic achievement and education, employment and income, and social relationships and social roles.

MENTAL HEALTH

Cannabis use is likely to increase the risk of developing schizophrenia and other psychoses; the higher the use the greater the risk.

In individuals with schizophrenia and other psychoses, a history of cannabis use may be linked to better performance on learning and memory tasks.

Cannabis use does not appear to increase the likelihood of developing depression, anxiety, and posttraumatic stress disorder.

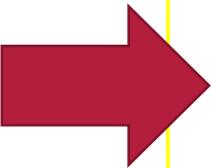
For individuals diagnosed with bipolar disorders, near daily cannabis use may be linked to greater symptoms of bipolar disorder than non-users.

Heavy cannabis users are more likely to report thoughts of suicide than non-users.

Regular cannabis use is likely to increase the risk for developing social anxiety disorder.

TO READ THE FULL REPORT AND VIEW RELATED RESOURCES, PLEASE VISIT

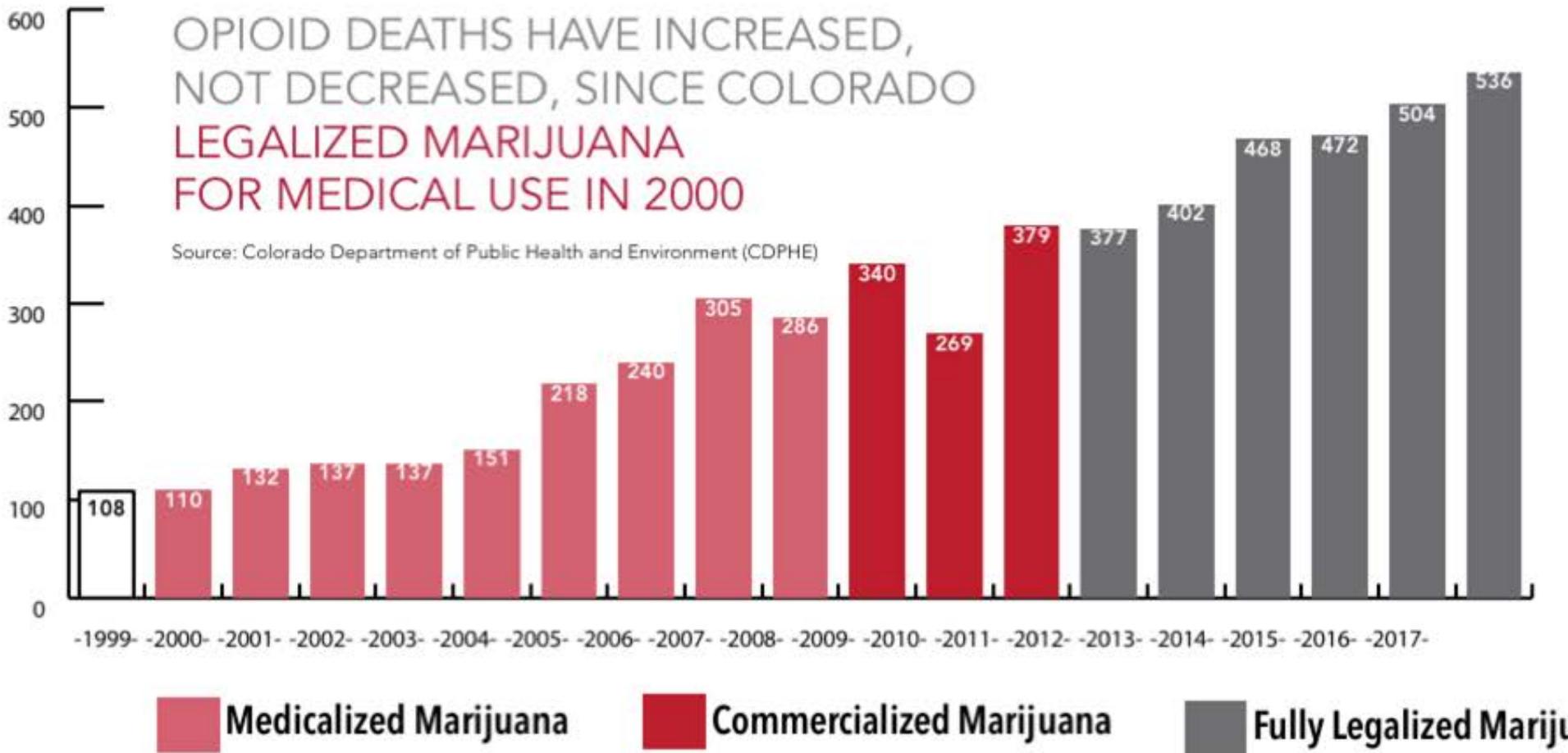
**NATIONALACADEMIES.ORG/
CANNABISHEALTHEFFECTS**



Guess which drug has gone up in CO?

OPIOID DEATHS HAVE INCREASED,
NOT DECREASED, SINCE COLORADO
LEGALIZED MARIJUANA
FOR MEDICAL USE IN 2000

Source: Colorado Department of Public Health and Environment (CDPHE)



The Marijuana Industry



COSMOPOLITAN

There's a Weed-Infused Wine on the Market



Only 35 calories per glass.

Each glass has only 5mg THC.

Meaning you can enjoy it at a dinner party and still be able to talk to everyone



COSMO BITES

This New Rosé Is Supposed To Be Hangover-Free — But It Will Get You High

Marijuana-infused wine is now a thing. Officially.



U.S. News & WORLD REPORT

INVESTING / STOCK MARKET NEWS

Coming Soon From Molson Coors: Marijuana Beer

Molson Coors' new venture is targeting the Canadian cannabis market.

Corona Owner's Marijuana Investment Reaps \$700 Million

By Uliana Pavlova
June 29, 2018, 1:05 PM |
Bloomberg



“I’m ready to introduce another high-impact brand to the industry again, this time with a new line of custom cannabis-infused craft beers.”

-Creator of Blue Moon



“Smoking is gross,” a high schooler said. “Juuling is really what’s up.”

THE PROMISE OF VAPING AND THE RISE OF JUUL

Teens have taken a technology that was supposed to help grownups stop smoking and invented a new kind of bad habit, molded in their own image.



CIGALIKE



VAPE PEN



BOX MOD



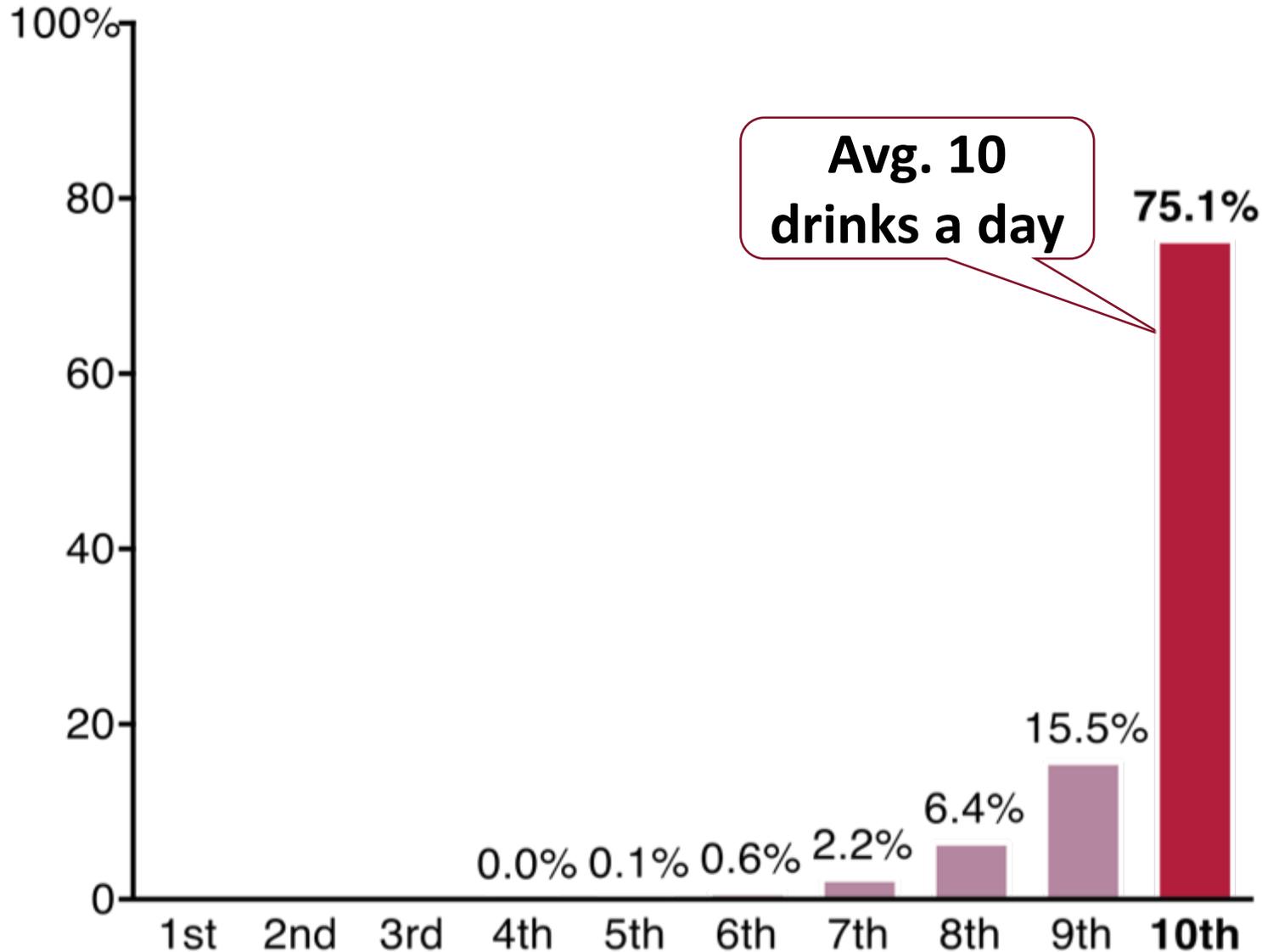
VAPE POD

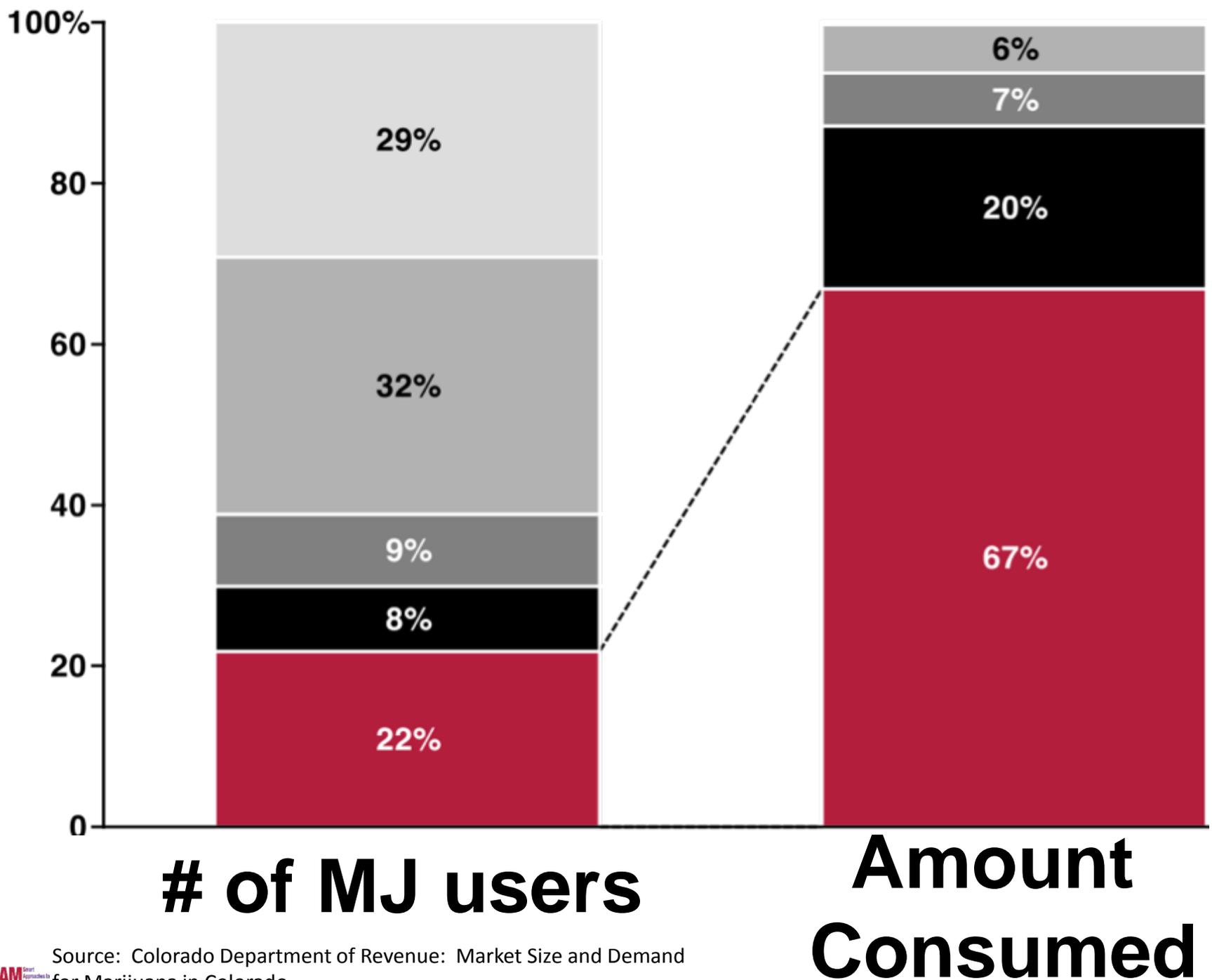
The New York Times

BAT Pulls Ahead in U.S. Vaping Battle, Shares Jump

British American Tobacco plans to test its new Eclipse tobacco heating device in the United States this year, allowing it to pull ahead of Philip Morris in the world’s biggest vaping market.

The top 10% of the population make up 75% of the alcohol industry's U.S. sales

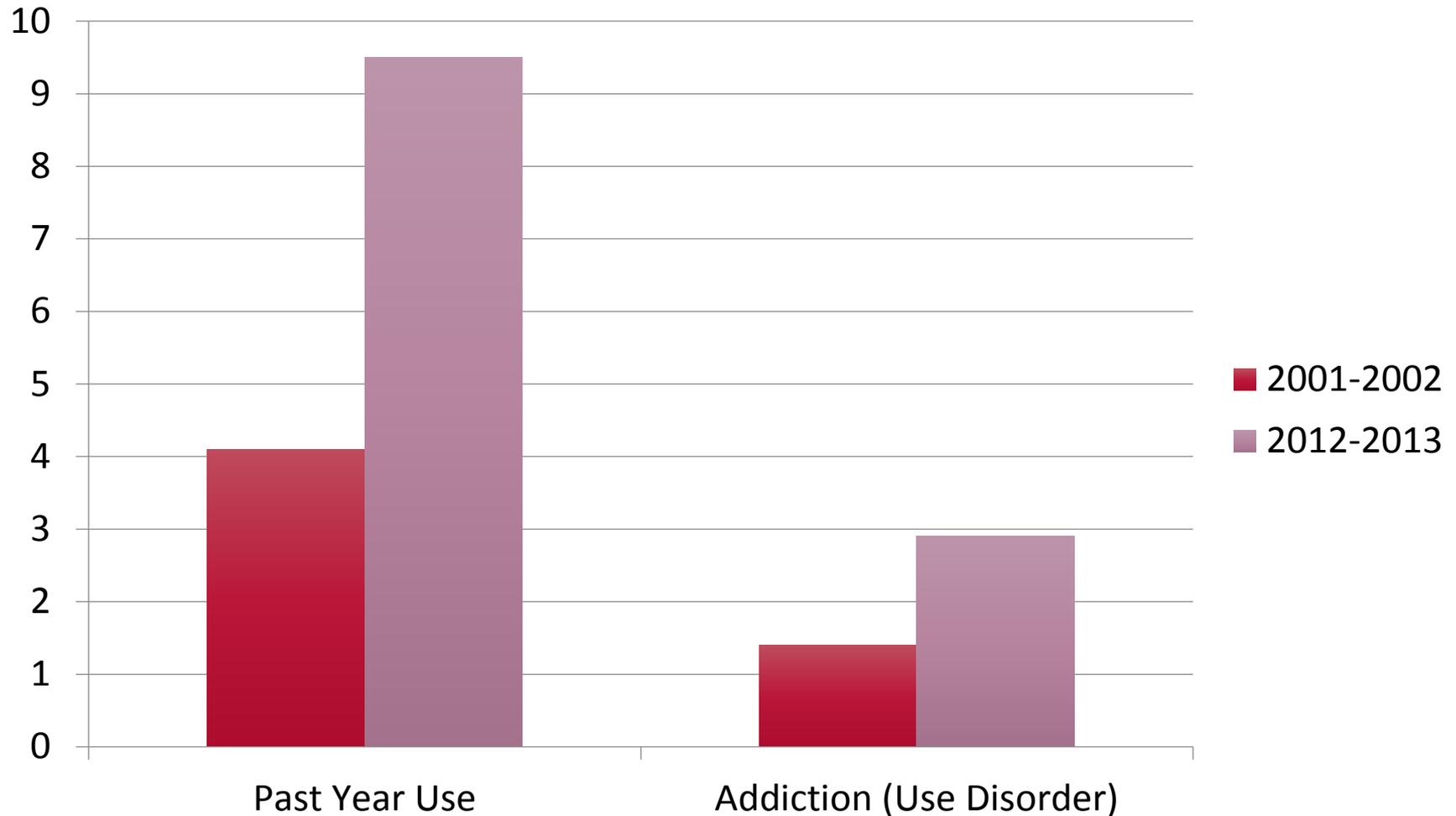




Source: Colorado Department of Revenue: Market Size and Demand

for Marijuana in Colorado

JAMA Psychiatry journal: Marijuana use and addiction has skyrocketed since 2001



Repeating History?

Dr. Batty's
For Your Health
ASTHMA CIGARETTES
 SINCE 1887
For the temporary relief of paroxysms of asthma
 EFFECTIVELY TREATS:
 ASTHMA, HAY FEVER, FOUL BREATH,
 ALL DISEASES OF THE THROAT,
 HEAD COLDS, CANCER, SORES,
 BRONCHIAL IRRITATIONS
NOT RECOMMENDED FOR CHILDREN UNDER 6.

According to reported nationwide surveys,

More Doctors Smoke **CAMELS** than any other cigarette!

Doctors in every branch of medicine were asked, "What cigarette do you smoke?" This brand cannot mean was chosen.

Yes! Because of the scientific evidence that shows doctors smoke Camels more than any other cigarette, you, who seek a brand recommended by all leading medical authorities, should naturally choose the Camels. And you will find that you like them more than any other brand. Only Camels are like that, doctor. So if you're looking for a cigarette that's...

THE DOCTORS' CHOICE IS AMERICA'S CHOICE!

For 30 days, test Camels in your "P-Zone" (I for Throat, II for Taste).

Viceroy FILTER the Smoke!

As your Dentist, I would recommend **VICEROYS**

NOW...Scientific Evidence on Effects of Smoking!

A scientific research is smoking regular for a number of years of a group of people has indicated that 43 percent of this group have smoked Chesterfield for an average of more than 20 years.

Why are regular, the medical specialists reason that the chemical and adverse effects of the same, "taste and taste" of the group has smoking Chesterfield.

**MUCH Milder
CHESTERFIELD
IS BEST FOR YOU**

First and Only Premium Quality Cigarette in both Regular and King-Size

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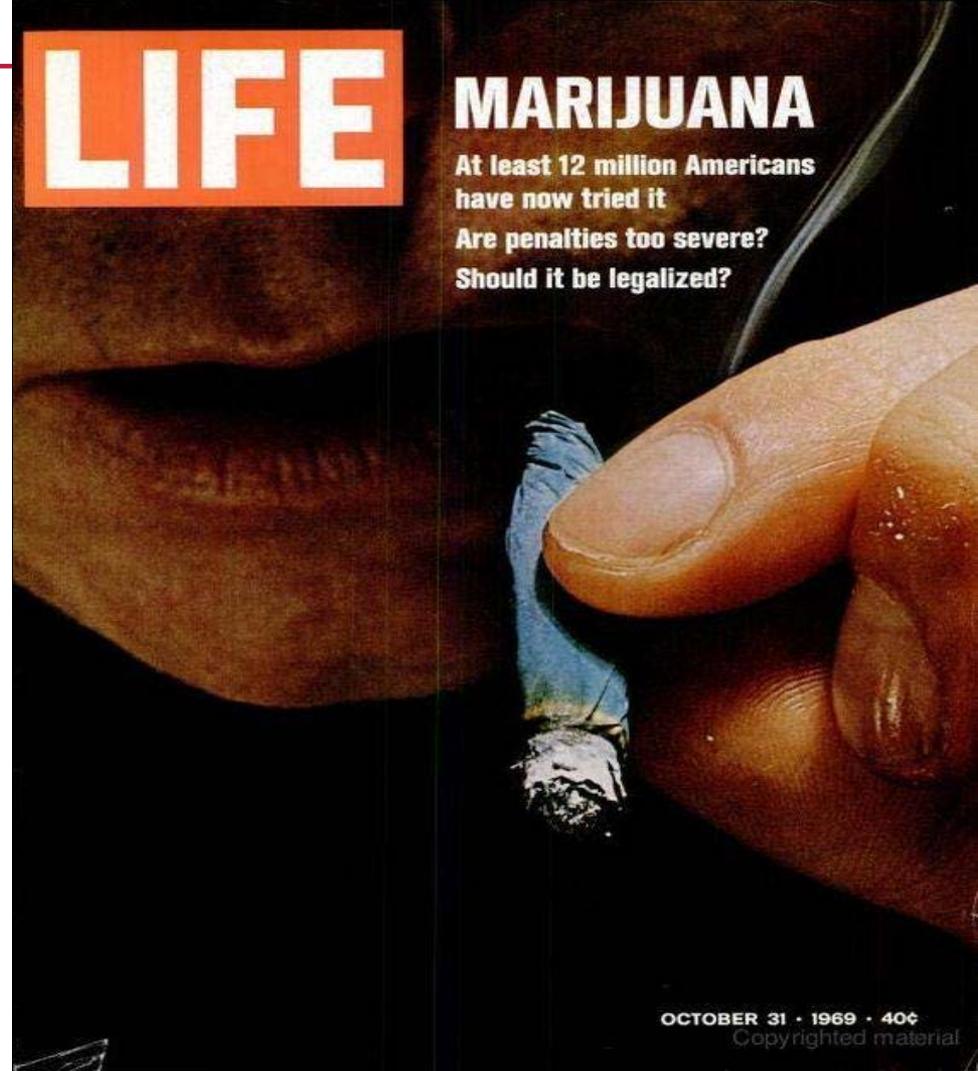
2018 is 1969 all over again

“Marijuana shows up at high-society parties in DC’s tony Kalorama and on back patios at embassy functions. It’s a staple at both a guys’ poker night for well-known DC power players and a moms’ Friday-night get-together in Bethesda.”



2018 is 1969 all over again

"In New York a group of middle-aged professional people begin an evening with a marijuana "cocktail party." In Detroit some lawyers and executives get together in the small hours for wine-and-pot. In Beverly Hills, at a stately black-tie dinner, the matronly hostess beckons the butler who brings a silver tray....."



What have we learned?



LESSONS LEARNED FROM MARIJUANA LEGALIZATION IN FOUR U.S. STATES AND D.C.

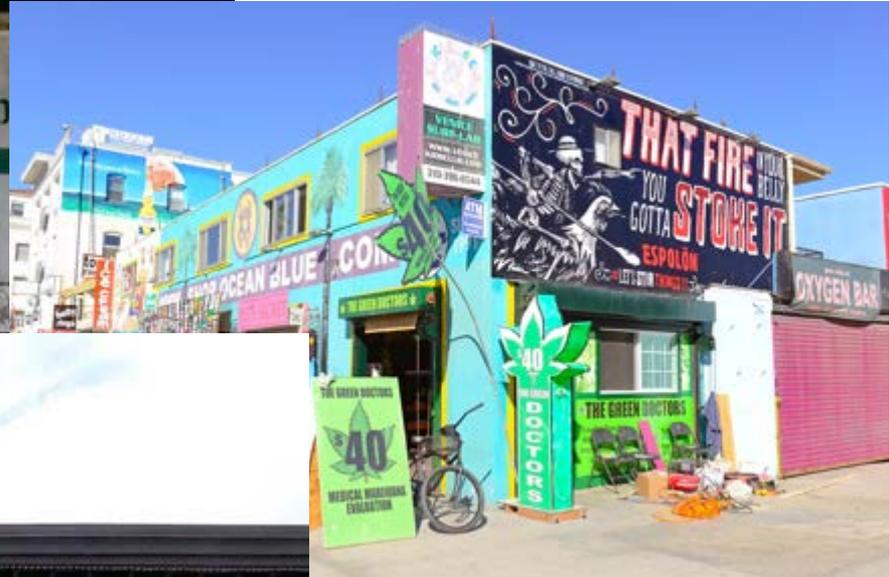
MARCH 2018



Reviewed by researchers from:
University of Colorado at Denver
Harvard Medical School
Boston Children's Hospital
University of Connecticut
Yale University
University of Kansas
and more

SAM Smart Approaches to Marijuana
preventing another big tobacco

www.itsameaboutsam.org





The Cannabist

MENU



10% OFF A PURCHASE OF \$50
OR MORE WHEN YOU BRING IN YOUR
FRIENDS AND FAMILY



WINTER SPECIALS OF THE MONTH

MARKETPLACE

20% OFF
ANY PURCHASE OVER \$20
EXP: 1/31/15



High Society
CLASS | HEAD
CULTURE | SHOP

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303.682.8876

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o 90%
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HOLIDAY WHOLESALE PRICING!



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f t

\$35 LIVE
SHATTERS Grams
10 Grams for \$99
Over 30 Selections
Expires 12/23/15

SHATTER GRAMS
\$25 GRAMS
Over 18 Selections
*2oz Limit - Expires 12/23/15

WAX
\$20
Over 30 Selections
*2oz Limit
Expires 12/23/15

JACK FROST
PULL and SHATTERS
\$20 Grams
*Five gram limit \$25 after

HIGH QUALITY
TOP GRADE
FLOWERS!

SUPER BOMB
TOP SHELF
FLOWERS!

SUPER DEAL!!
10 JOINTS \$20
or \$3 Each
*Limit 5 Packs
Expires 12/23/15

350mg MT. MA
or **200mg WAN**
GUMMIES \$1
*Limit 5 each/parcel

1/4s • \$20 1/8s • \$150 • \$50 1/4s • \$25 1/8s

DOOR BUSTERS

December 23rd, 2014

FIRST 50 PEOPLE THRU THE DOOR
RECEIVE \$10-1/8TH PURCHASE

TOYS FOR TOTS
DEC 1ST-23RD
BRING A TOY
FOR A

FREE BLUE
KUDU OR
JOINT

EDIBLE, GLASS
AND FLOWER GIFT
BASKETS
STARTING
AT \$20

ALL STOCKING
STUFFERS
10% OFF
(GLASS, ACCESSORIES,
EDIBLES, HASH)

TOYS FOR TOTS PARTY FRIDAY DECEMBER 19TH FREE FOOD & HOT
CHOCOLATE. HOSTED BY OPEN VAPE BUS GIVING AWAY FREE PENS

ANY OZ \$140

10% OFF CBD
& MEDICATED
LOTION PRODUCTS

1 GRAM \$20

2 FOR 1 BLUE
KUDU \$10

\$15-1/8TH

ANY OZ \$140

WHILE SUPPLIES LAST



1/8 \$25

CHERNOYBL

For non members • expires 12/18
must redeem coupon
limit 2 coupons per customer per day



WAX WEDNESDAY

\$5 OFF EVERY GRAM ALL DAY ON WAX,
BUTTER, GO2 OIL AND SHATTER.

303.861.4252

852 N. Broadway

(On Broadway, Next to the Fainting Goat)



1/8 \$25



SOUR GRAPES

For non members • expires 12/18
must redeem coupon
limit 2 coupons per customer per day

2011 1ST PLACE
CANNABIS CUP WINNER

70% of marijuana dispensaries in Colorado recommended THC products to pregnant women.

- Medical dispensaries were more likely to recommend marijuana products than retail dispensaries: 83% and 60% respectively
- Marijuana's effects on developing babies could include low birth weight, and other developmental problems – including fatal anencephaly

Source: Denver Health (2018)



MARIJUANA
ACCOUNTABILITY
COALITION





Kyle Clark ✓

@KyleClark

Following

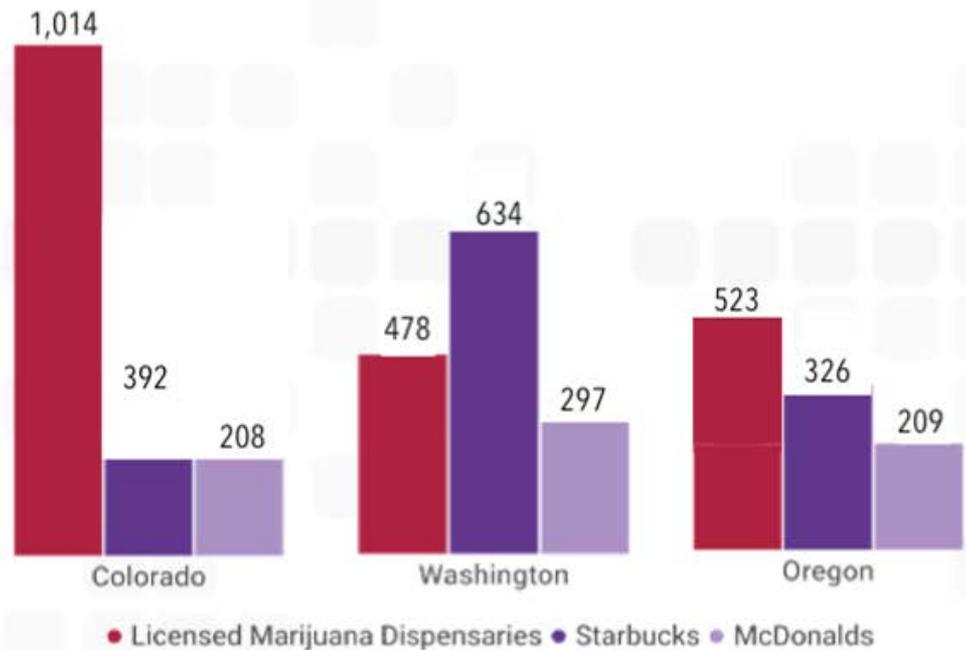


Leaving the [@CO_Symphony](#) Gala at The Fillmore, I'm accosted on the sidewalk by a remarkably high woman. Lady nearby turns and says "And that's The Most Colorado Thing You've Seen Today!" 🙌 [#heynext](#)
[#9News](#)

10:15 PM - 28 Apr 2018

BUSINESS COMPARISON 2017

SOURCE: Colorado Department of Revenue; Starbucks Coffee Company, Corporate Office Headquarters; McDonalds Corporation, Corporate Office Headquarters; Washington State Liquor & Cannabis Board. Licensing. February 26, 2018. Information obtained from https://lcb.wa.gov/sites/default/files/publications/Public_Records/2017/MarijuanaApplicants.xls; Oregon Liquor Control Commission http://www.oregon.gov/olcc/marijuana/Documents/Approved_Retail_Licenses.pdf



Results of Legalization

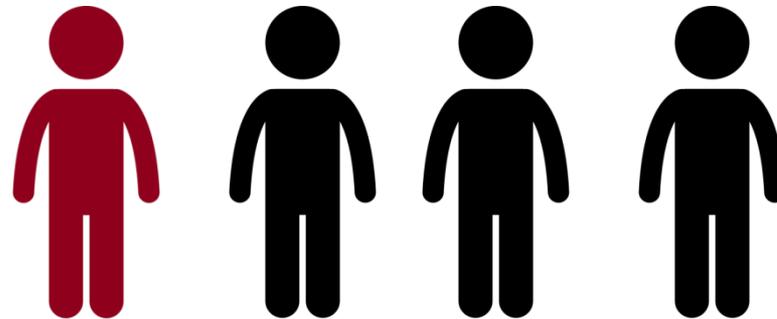
Commercialization

- CO now #1 first-time youth use rate in the country
- Rampant advertising/commercialization
- A thriving underground market – white, grey, and black.

Promotion of Special Interests

- THC caps have failed (State of CO)
- Limit on # and location of stores have failed (Denver)
- Money diverted to general fund (eg WA)

Monitoring the Future Data (2018)

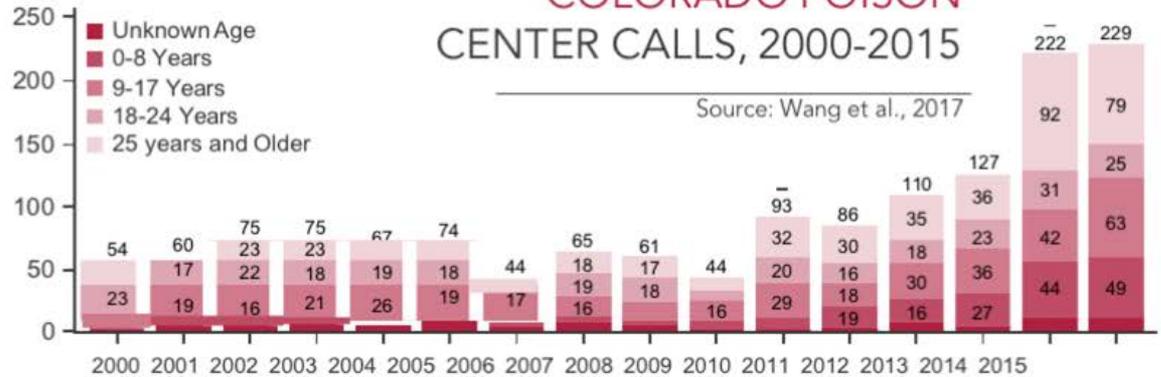


One in four 12th graders would try marijuana, or increase their use of the drug *if marijuana were legalized*.

Marijuana-related emergency room visits have also surged since legalization. According to the Colorado Department of Public Health and Environment, the annual rate of marijuana-related emergency room visits increased 35% between the years 2011 and 2015 (CDPHE, 2016).

The burden on the emergency departments stemming from the type of patient care required and the resulting financial implications have been large for hospitals in Colorado (Finn, 2015).

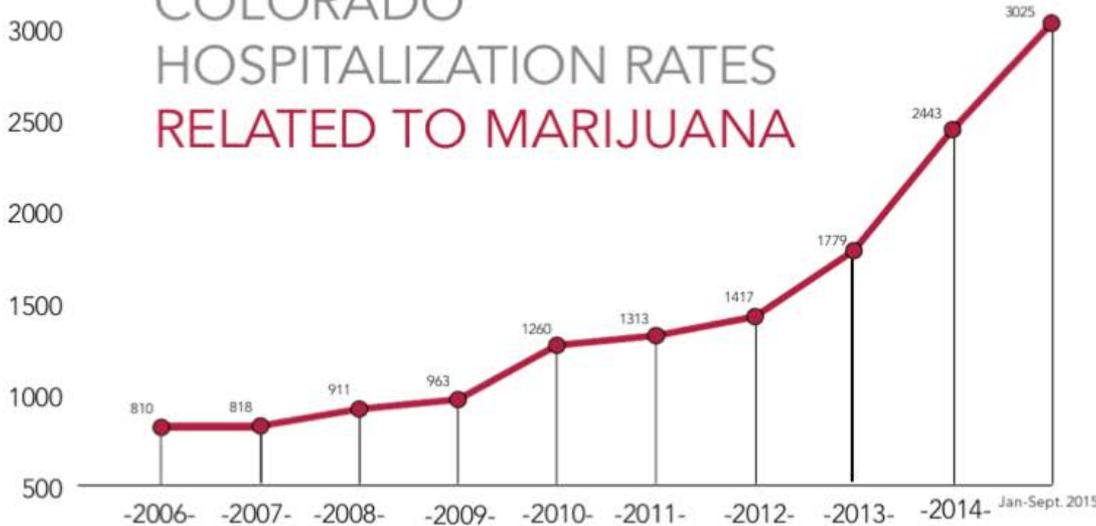
COLORADO POISON CENTER CALLS, 2000-2015



Annual regional poison center human exposure calls related to marijuana from January 1, 2000 through December 31, 2015, divided by age groups. *Counts significantly increased from previous year with a p value <0.003. Unknown age includes calls with ages recorded as teens, 20s, unknown adult (≥ 20 yrs), unknown child (≤ 19 yrs), and unknown age. Human marijuana exposure calls to RPC were determined by the presence of the generic code Marijuana – 0083000 from the National Poison Data System or marijuana exposure mentioned in RPC case notes.

3500

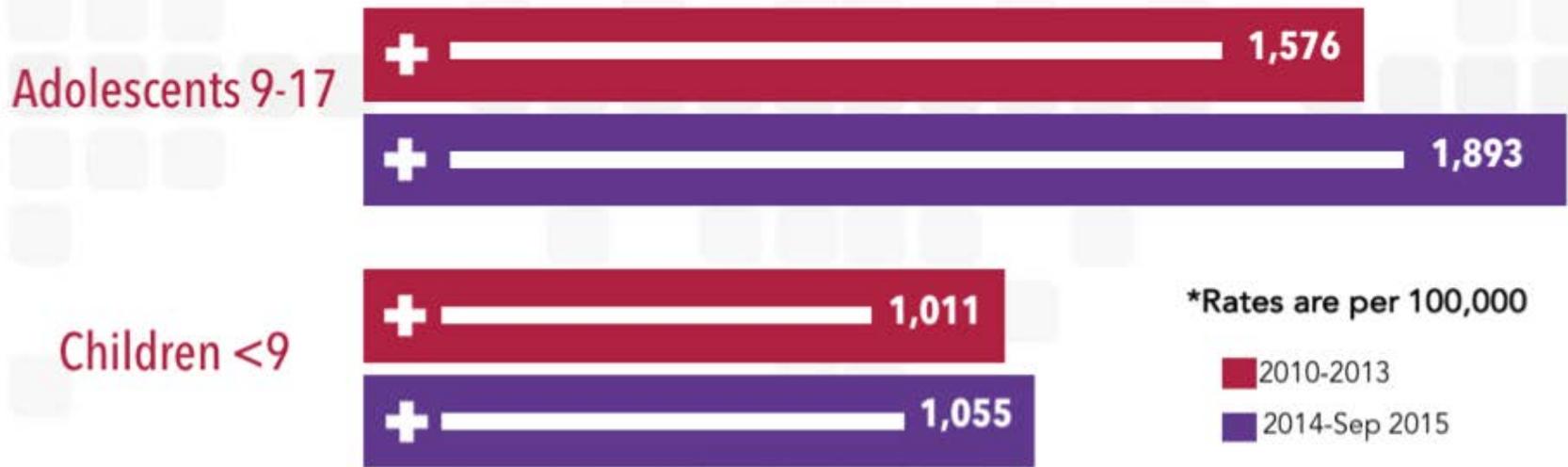
COLORADO HOSPITALIZATION RATES RELATED TO MARIJUANA



Source: Colorado Department of Public Health and Environment, Monitoring Health Concerns Related to Marijuana in Colorado: 2016

MARIJUANA EMERGENCY ROOM VISITS HAVE ALSO INCREASED AMONG CHILDREN AND ADOLESCENTS (CHA, 2016).

MARIJUANA RELATED EMERGENCY ROOM VISITS IN CO BY AGE

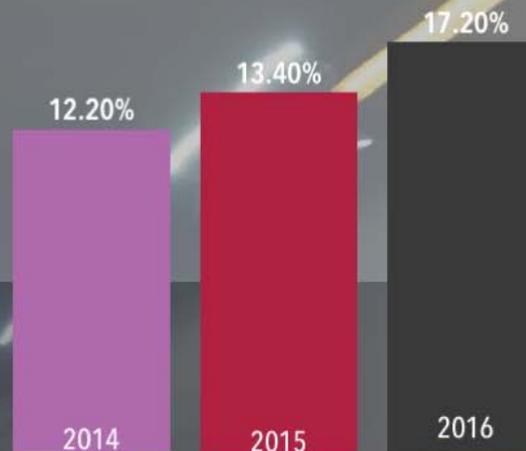


Source: Colorado Hospital Association 2011-Sep 2015 as reported in Monitoring Health Concerns Related to Marijuana in Colorado: 2016, Per 100,000

DRUGGED DRIVING

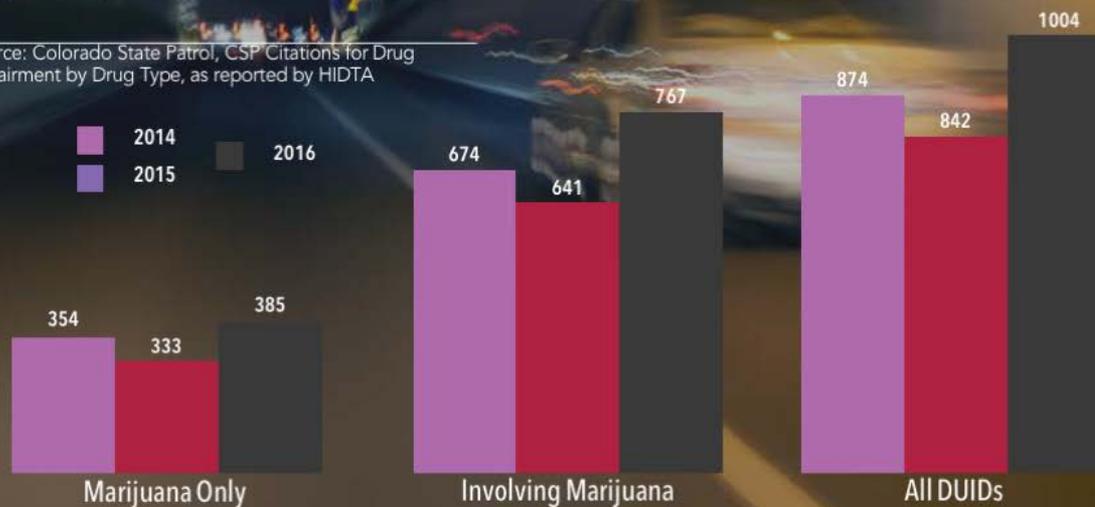
MARIJUANA AS A PERCENT OF ALL DUI AND DUIDS IN COLORADO

Source: Colorado State Patrol, CSP Citations for Drug Impairment by Drug Type, as reported by HIDTA



COLORADO STATE PATROL NUMBER OF DRIVERS UNDER THE INFLUENCE OF DRUGS (DUIDS)

Source: Colorado State Patrol, CSP Citations for Drug Impairment by Drug Type, as reported by HIDTA



Washington Traffic Safety Study (2018)

- Marijuana-impaired driving fatalities have more than doubled
- **One in five drivers** are under the influence of marijuana. That is up from one in ten prior to legalization.
- 64.2% of respondents who reported using marijuana and driving **stated that they didn't think that it impaired their ability to drive at all.**
- Drivers who admit to driving within three hours of using marijuana are also more likely to drink and drive, not wear a seat belt, and binge drink

Workplace & Economy



Marijuana positivity rises sharply in states with new recreational use statutes.



Nevada



Massachusetts



California

(Urine drug testing only.)

In the general workforce, marijuana positivity increased 4% from last year while it increased nearly 8% in the safety-sensitive workforce.

Source: Quest Diagnostics (2018)

Increases in positivity rates for marijuana in the general U.S. workforce were most striking in states that have enacted recreational use statutes since 2016. Those states include: Nevada (43%), Massachusetts (14%) and California (11%). These three states also saw significant increases in marijuana positivity in federally-mandated, safety-sensitive workers: Nevada (39%), California (20%), and Massachusetts (11%). Federally-mandated, safety-sensitive workers include pilots, rail, bus and truck drivers, and workers in nuclear power plants, for whom routine drug testing is required by the DOT.

As the marketing organization for the city, VISIT DENVER measures, records and reports hundreds of data points. The attached presentation highlights the safety trends and feedback we receive and closely track from convention and leisure visitors over the span of several years. VISIT DENVER realizes that homelessness is not a crime, and that it is just one component of the many issues having an impact on Denver and surrounding cities. However, it is important to note that visitors often do not recognize or distinguish the differences between panhandlers, travelers, homeless, and others but rather provide overall feedback based on personal safety and sense of security when visiting Denver.

There are several key takeaways from the information provided:

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Drug use is forcing CO employers to hire out-of-state employees



- “Jim Johnson [construction company GE Johnson’s CEO]...said his company has encountered **so many job candidates who have failed pre-employment drug tests** because of their THC use that it is **actively recruiting construction workers from other states.**”

The phenomenon has recently received coverage in the *New York Times*

Hiring Hurdle: Finding Workers Who Can Pass a Drug Test

By JACKIE CALMES MAY 17, 2016

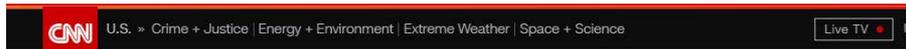


Terry Donaldson, an employee of Gaster Lumber & company's drug testing policy. The company has been...
Kevin D. Liles for The New York Times

In Colorado, “to find a roofer or a painter that can pass a drug test is unheard-of,” said Jesse Russow, owner of [Avalanche Roofing & Exteriors](#),

But data suggest employers’ difficulties also reflect an increase in the use of drugs, especially marijuana — employers’ main gripe — and also heroin and other opioid drugs much in the news.

And on CNN...



As more Americans fail drug tests, employers turn to refugees

Story by Dan Lieberman, CNN

Video by Matt Gannon, CNN

Updated 4:40 PM ET, Wed March 29, 2017



In Colorado, where marijuana is legal, some businesses have told Fay, "they see employees smoking pot on their lunch break and then going back to work."

One oil and trucking company in Colorado did random drug screening at one of their locations last year and found 80 percent of their employees failed, Fay said. (Colorado's Supreme Court has ruled that companies may fire employees who smoke pot, even if legally.)

Social Justice

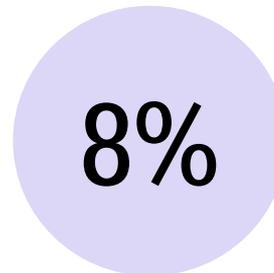
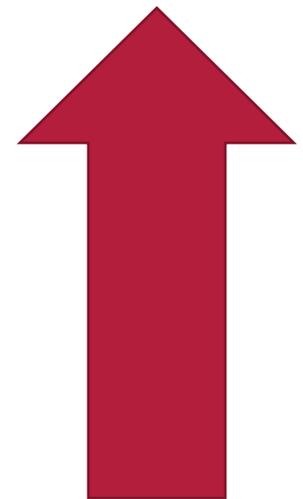
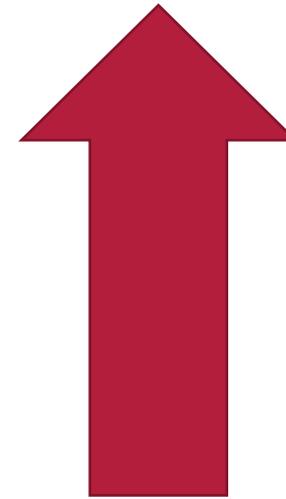
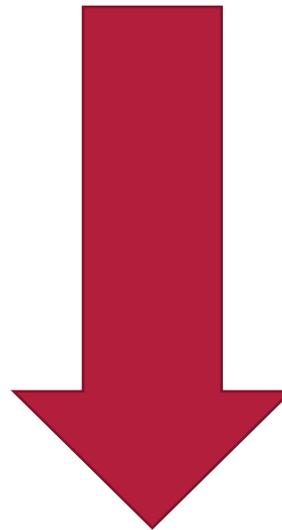
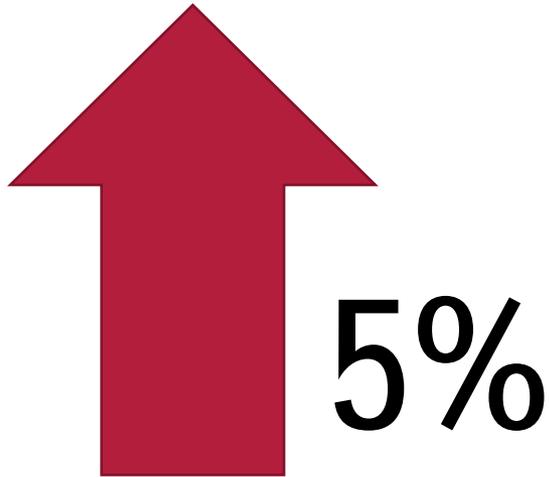
Juvenile Arrest Rate Before and After Legalization

Overall juvenile arrests

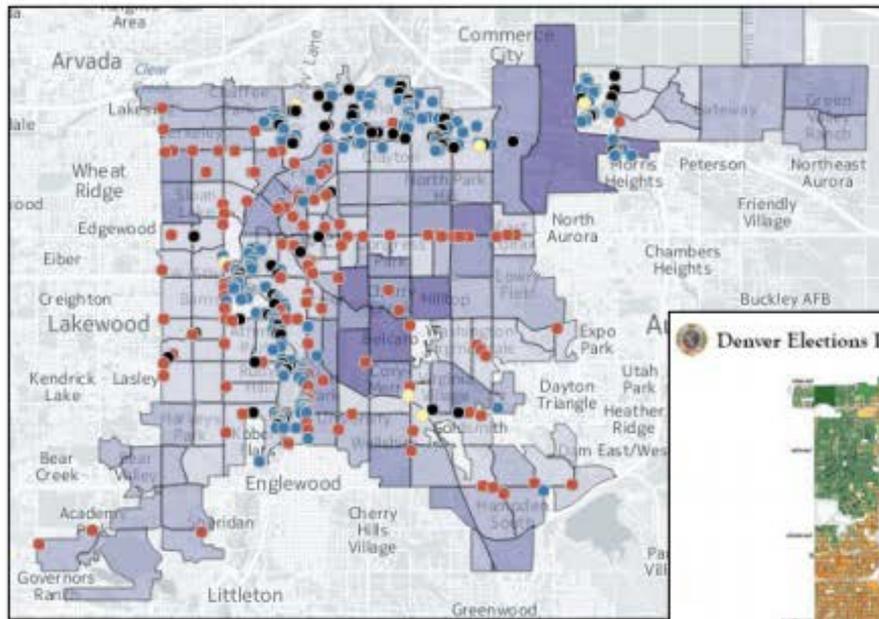
Whites

Hispanics

Blacks

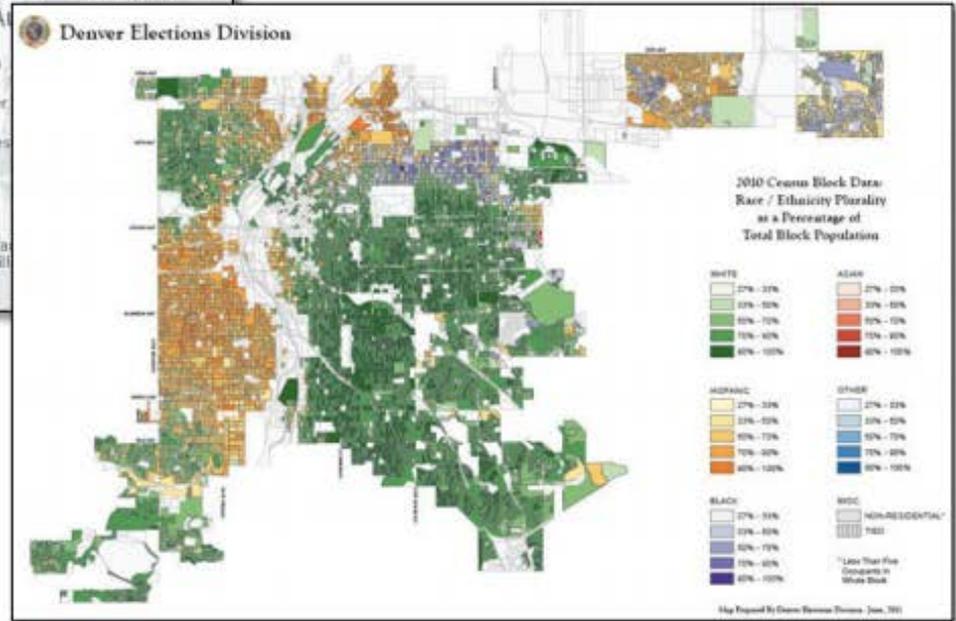


MARIJUANA BUSINESSES IN DENVER ARE CONCENTRATED IN NEIGHBORHOODS OF COLOR



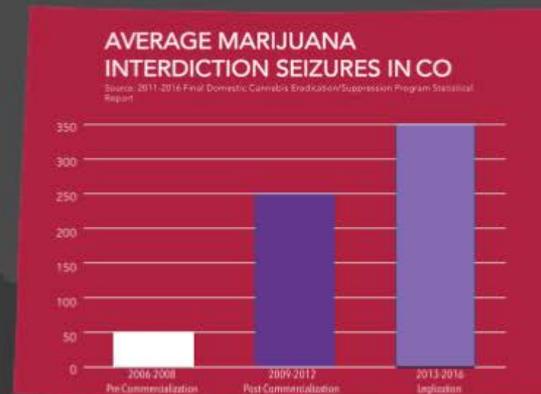
Locations of pot businesses (dots represent businesses; neighborhoods shaded by income; lighter = lower-income)

Denver neighborhoods colored by race/ethnicity: green = White; orange = Latino; purple = Black; red = Asian; blue = Other



Crime & Justice

BLACK MARKET ACTIVITY SINCE LEGALIZATION



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Tresspass	260	4%	77%
Obstruct	206	3%	80%
Harassing Communication	203	3%	83%
Other/Unclear	194	3%	86%
Weapon Offense	141	2%	88%
Tobacco	127	2%	90%
Damage Property	120	2%	92%
Traffic Offense	91	1%	93%
Sexual Assault/Offense	76	1%	94%
Warrant	57	1%	95%
Criminal Mischief	47	1%	96%
Runaway/ Missing Person	41	1%	97%
Interference with Educ Inst	39	<1%	97%
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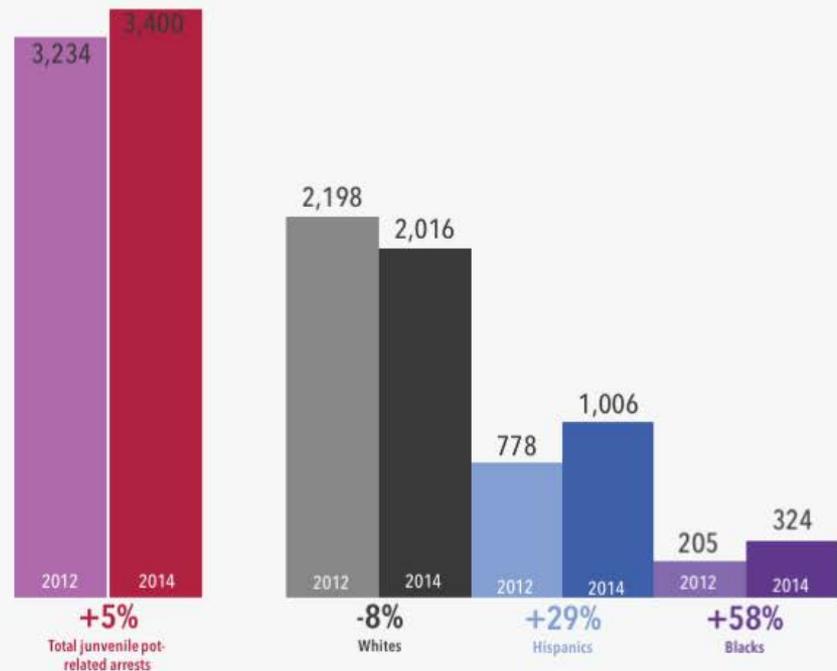
Source: Colorado Department of Public Safety, 2017

IMPACTS OF LEGALIZATION ON COMMUNITIES OF COLOR

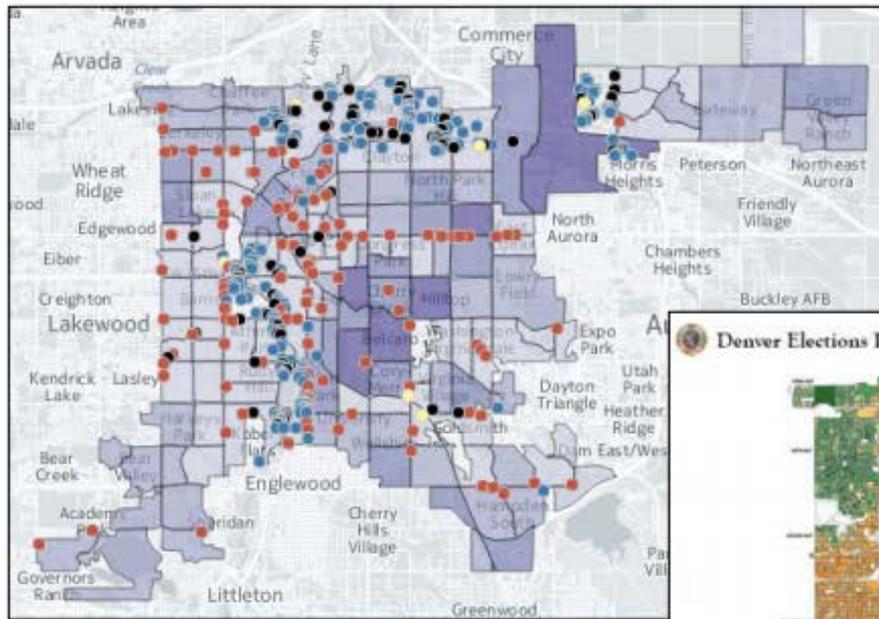
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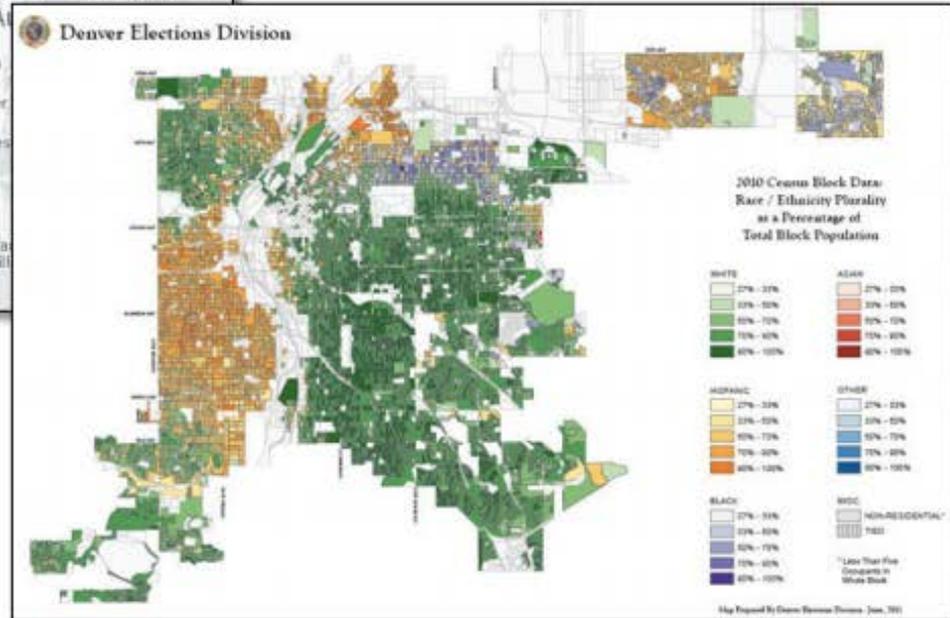


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Similar trend in Los Angeles

- In 2013, Los Angeles voters approved Proposition D, a regulatory measure that said 135 dispensaries were allowed to be in operation and set zoning restrictions prohibiting dispensaries from operating in certain areas. -Dispensaries opened in areas with a higher proportion of Black residents and closed in Census tract areas that had a higher percentage of commercially zoned land.
- “Results suggest that likely as a result of changing regulations, dispensaries may be attempting to conceal their presence and locate in areas that will not advocate against their presence.”

Crime around marijuana stores?

- Legal marijuana shops are linked to higher levels of property crime in nearby areas, according to a nearly three-year study in Denver.
- Adjacent areas saw about 84 more property crimes per year than neighborhoods without a nearby marijuana store.
- It is the number and density of outlets that is important, not whether they are medical or recreational
- “There are definitely negative public health consequences, including increased crime,” the study author concluded

Oregon and Medical Marijuana

“Results of multi-level analyses indicated significant positive associations between rates of marijuana patients and growers per 1000 population and the prevalence of past 30-day marijuana use, controlling for youth demographic characteristics.

These findings suggest that a greater number of registered marijuana patients and growers per 1000 population in Oregon counties was associated with a higher prevalence of marijuana use among youth from 2006 to 2015, and that this relationship was partially attributable to perceived norms favorable towards marijuana use.”

Stores and Property Values

“Data from King County, Washington, we find a 1.7% decrease in the value of properties within a 0.5 mile radius of an entrant (or a \$6,700 decline in property values).” See

http://www.columbia.edu/~dkt2109/thomas_tian_2017.pdf

Business suing in MA: <https://www.fox25boston.com/news/businesses-suing-medical-marijuana-dispensaries-over-decreased-property-values/739100125>

More studies on dispensaries and use

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4161654/>

EXAMINING THE RELATIONSHIP BETWEEN THE PHYSICAL AVAILABILITY OF MEDICAL MARIJUANA AND MARIJUANA USE ACROSS FIFTY CALIFORNIA CITIES

<https://www.sciencedaily.com/releases/2017/06/170627105316.htm>

A new study has found that adolescents living in medical marijuana states with a plethora of dispensaries are more likely to have tried new methods of cannabis use, such as edibles and vaping, at a younger age than those living in states with fewer dispensaries.

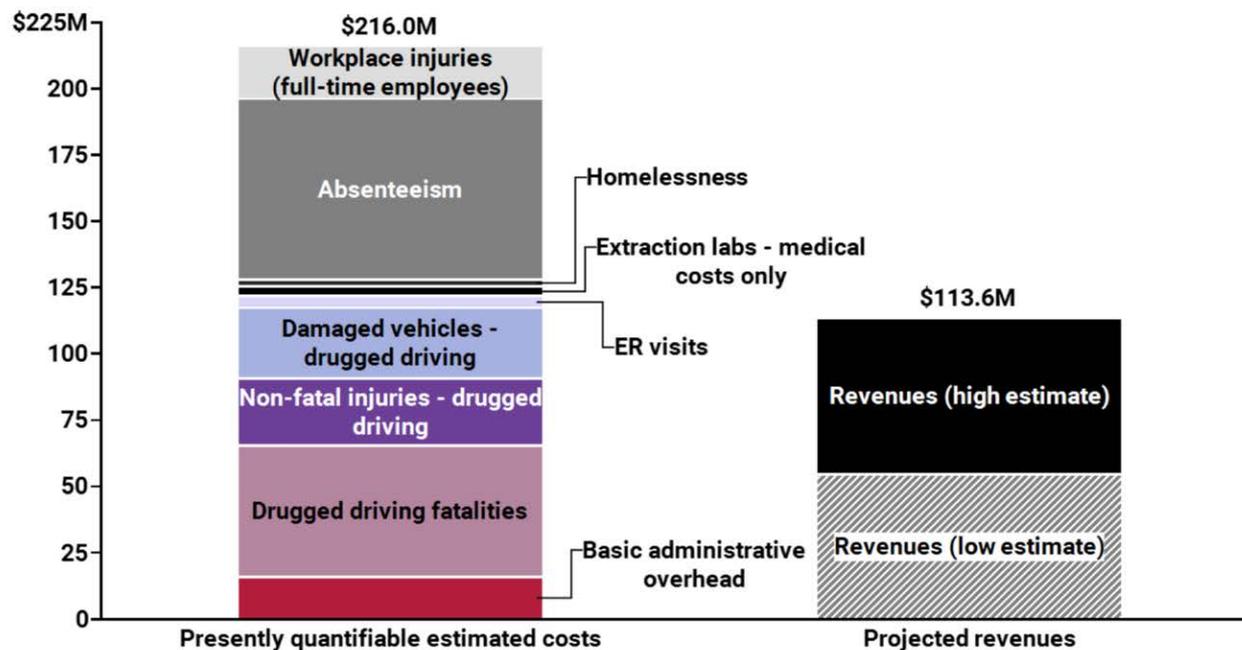
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4536157/>

The impacts of marijuana dispensary density and neighborhood ecology on marijuana abuse and dependence. This study looks at marijuana dispensary density and the effect on communities.

Another: Shi Y. The availability of medical marijuana dispensary and adolescent marijuana use. *Prev Med.* 2016;81:1–7. doi: 10.1016/j.ypmed.2016.07.015. [[PubMed](#)] [[Cross Ref](#)]

In CT, estimates of just a few costs outweigh projected revenues by over 90%

Estimated value for 2020
(in millions of 2016 dollars)



Tax Revenue?




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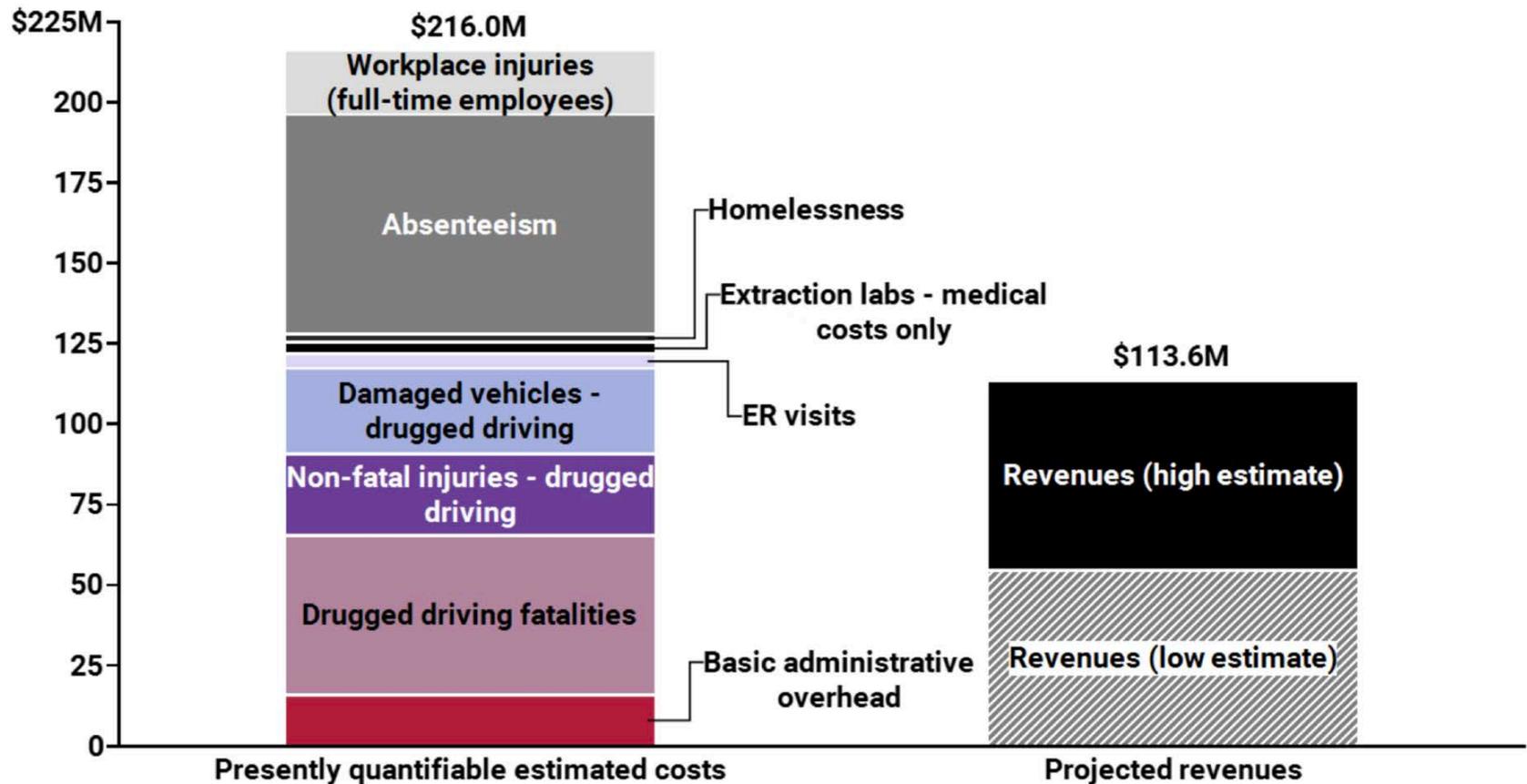
Why pot taxes can't solve Colorado's budget problem



By **CHRIS STIFFLER**

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The Jury is Still Out...

NEW FDU POLL SHOWS MAJORITY OF NEW JERSEYANS OPPOSE LEGALIZING RECREATIONAL MARIJUANA

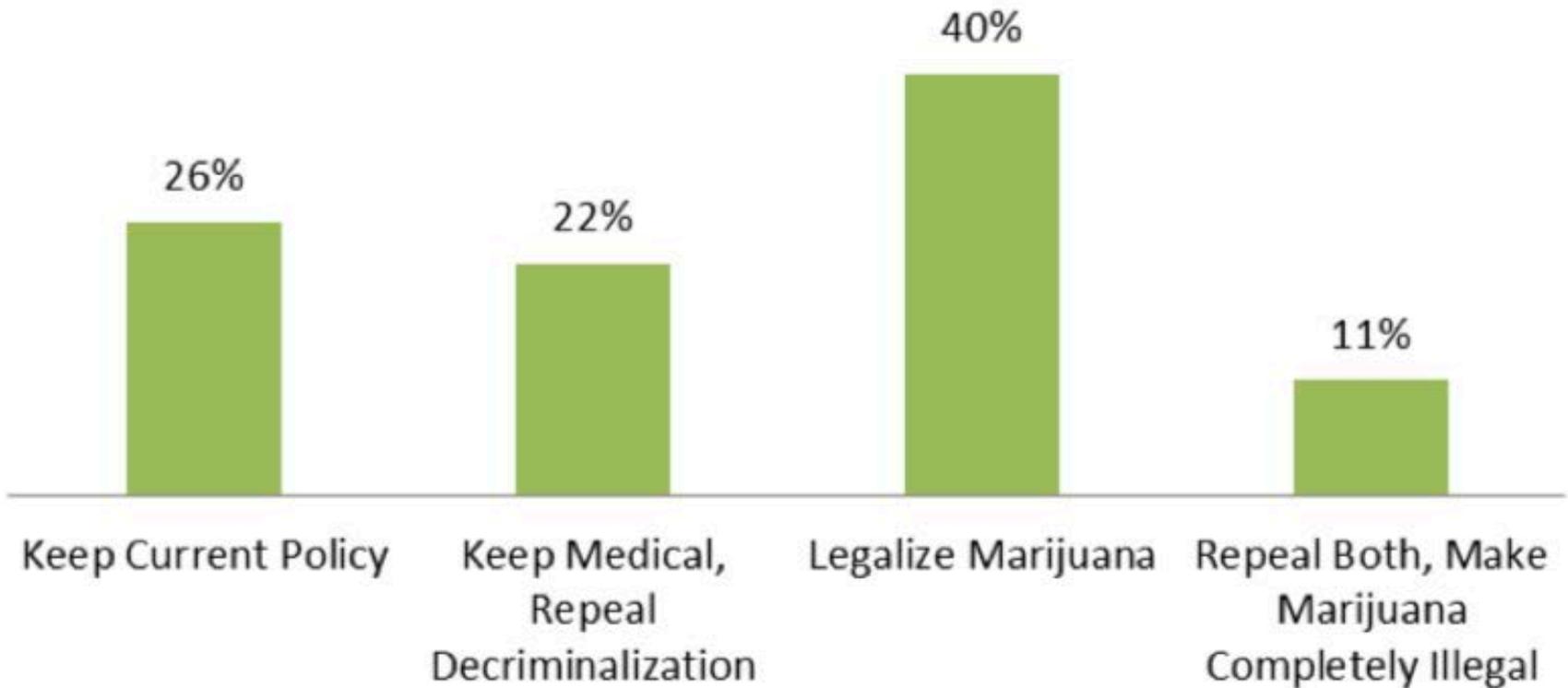
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Half of Americans support alternatives to full marijuana legalization: poll

BY JOSH DELK - 01/17/18 04:20 PM EST

Knowing that personal marijuana possession is already decriminalized and medicalized in New York, which one of the following marijuana policies do you prefer:



Workplace & Economy



Marijuana positivity rises sharply in states with new recreational use statutes.



Nevada



Massachusetts



California

(Urine drug testing only.)

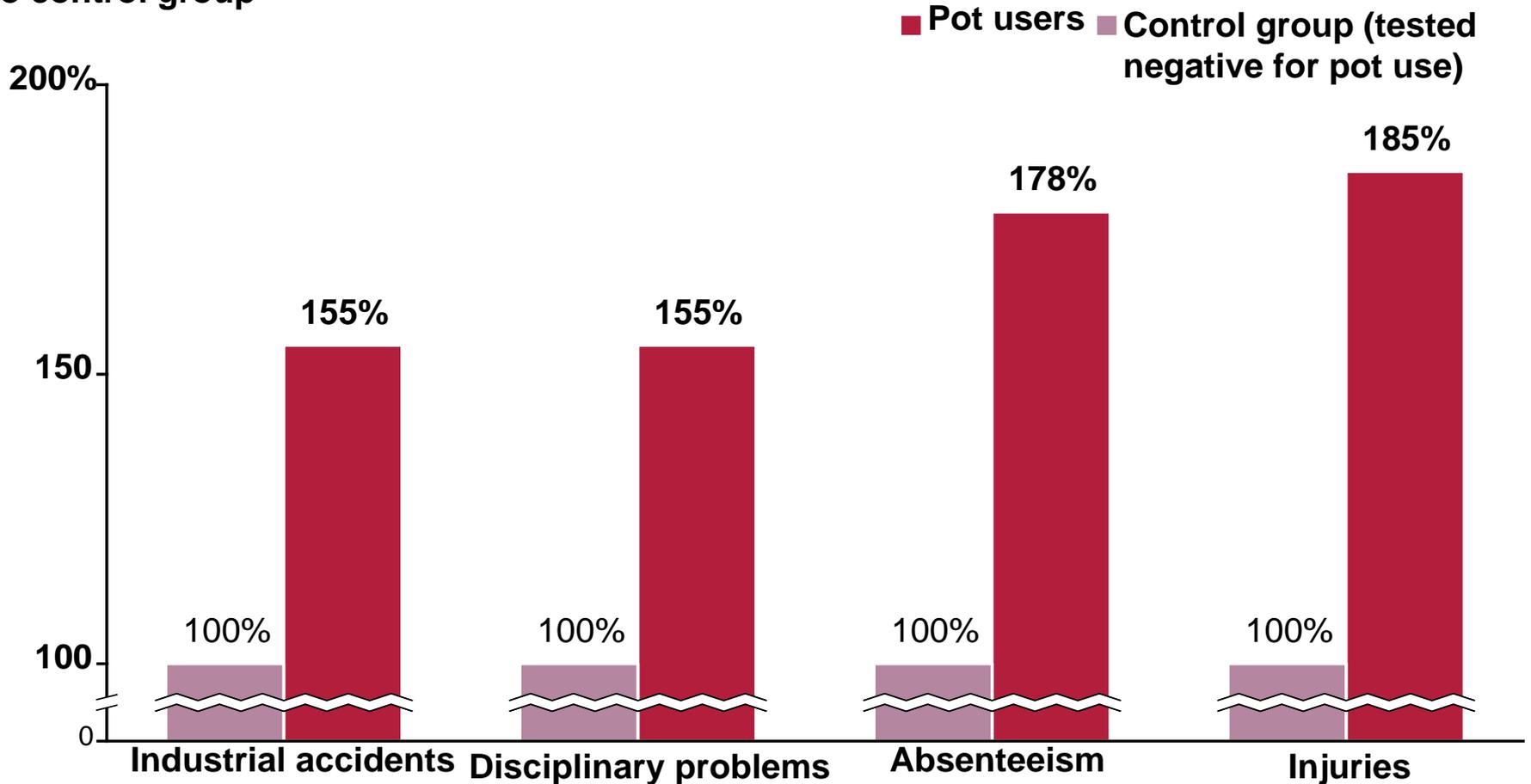
In the general workforce, marijuana positivity increased 4% from last year while it increased nearly 8% in the safety-sensitive workforce.

Source: Quest Diagnostics (2018)

Increases in positivity rates for marijuana in the general U.S. workforce were most striking in states that have enacted recreational use statutes since 2016. Those states include: Nevada (43%), Massachusetts (14%) and California (11%). These three states also saw significant increases in marijuana positivity in federally-mandated, safety-sensitive workers: Nevada (39%), California (20%), and Massachusetts (11%). Federally-mandated, safety-sensitive workers include pilots, rail, bus and truck drivers, and workers in nuclear power plants, for whom routine drug testing is required by the DOT.

Accidents, injuries, absenteeism, and disciplinary problems among pot users all increase costs

Incidence of problem compared to control group



Comments to “Visit Denver”



Introduction



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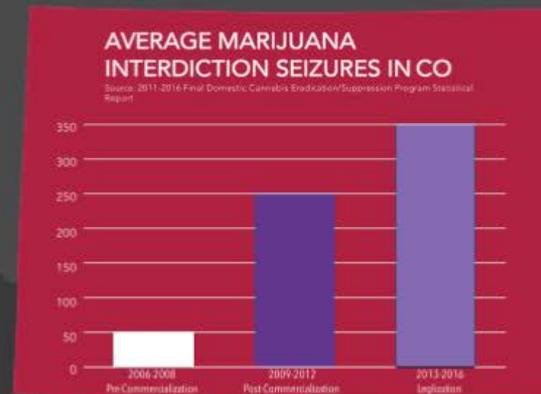
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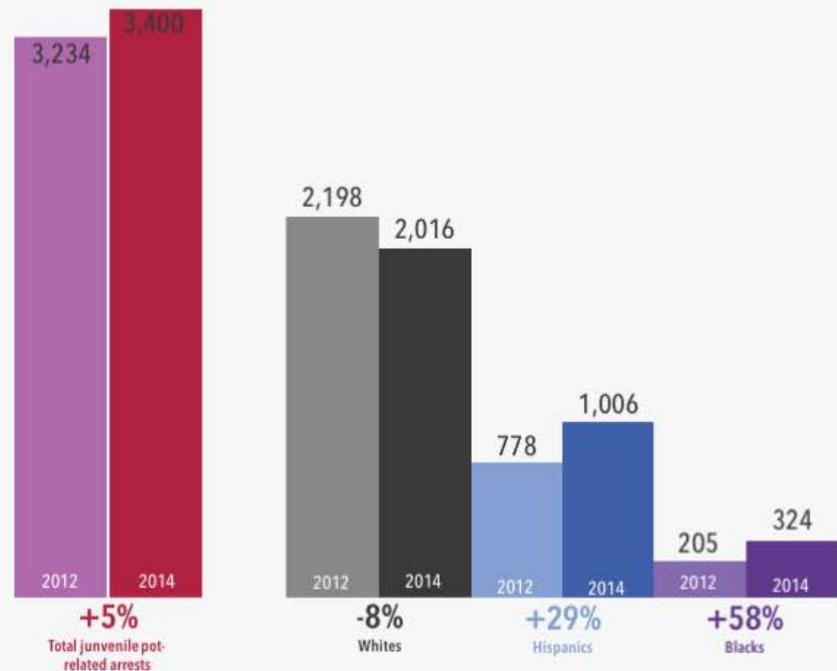
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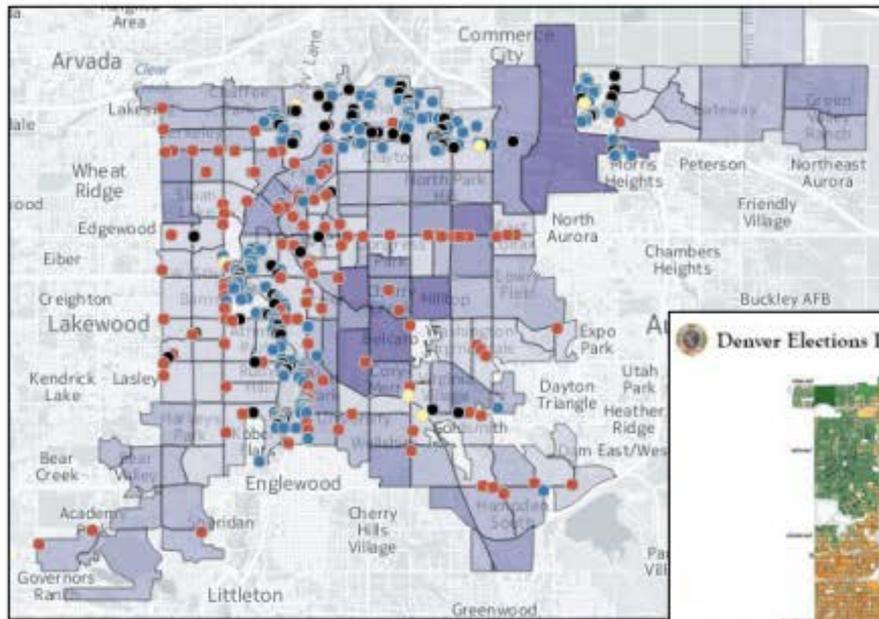
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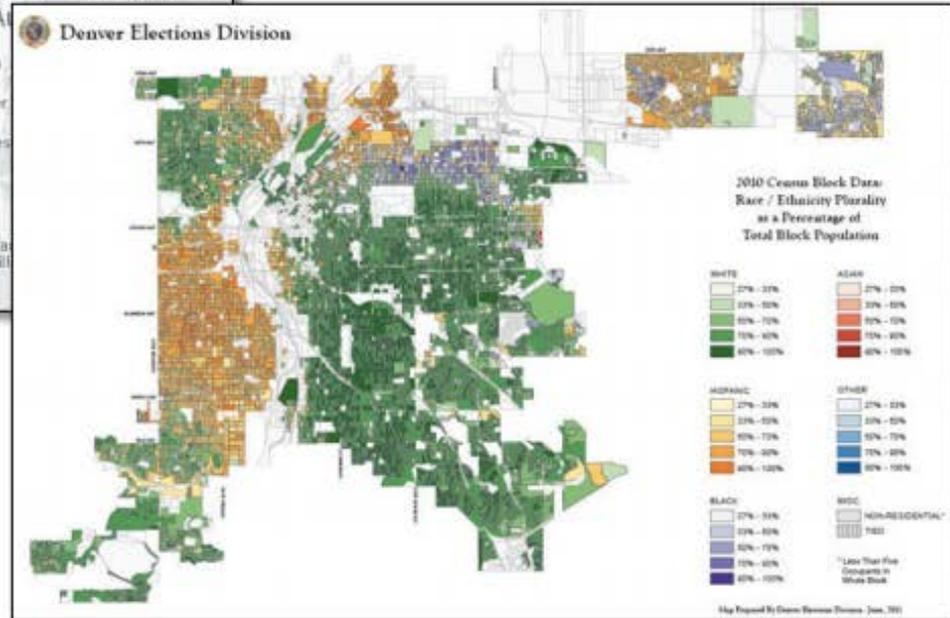


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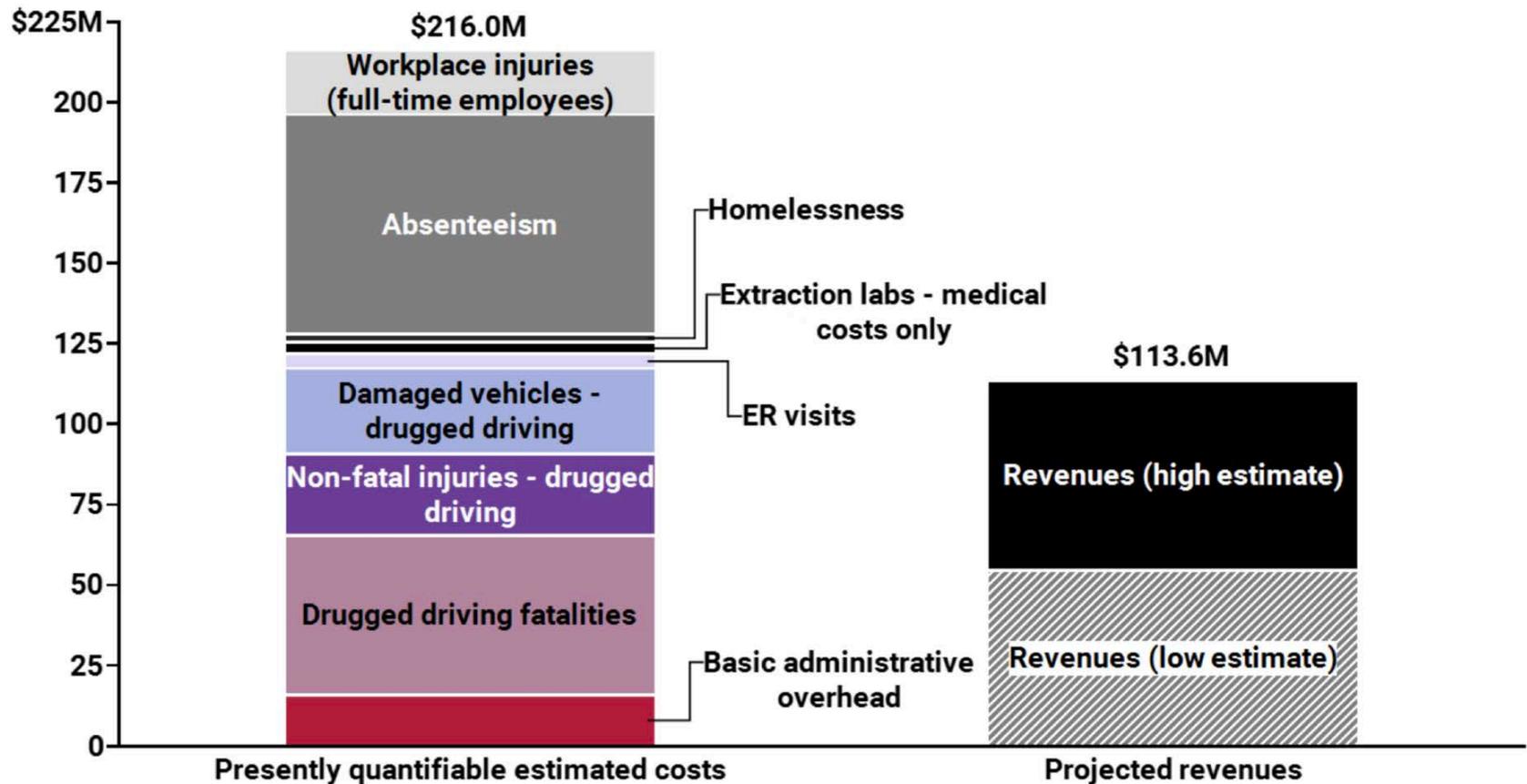
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**Decriminalization vs
Legalization – many don't make
distinction**

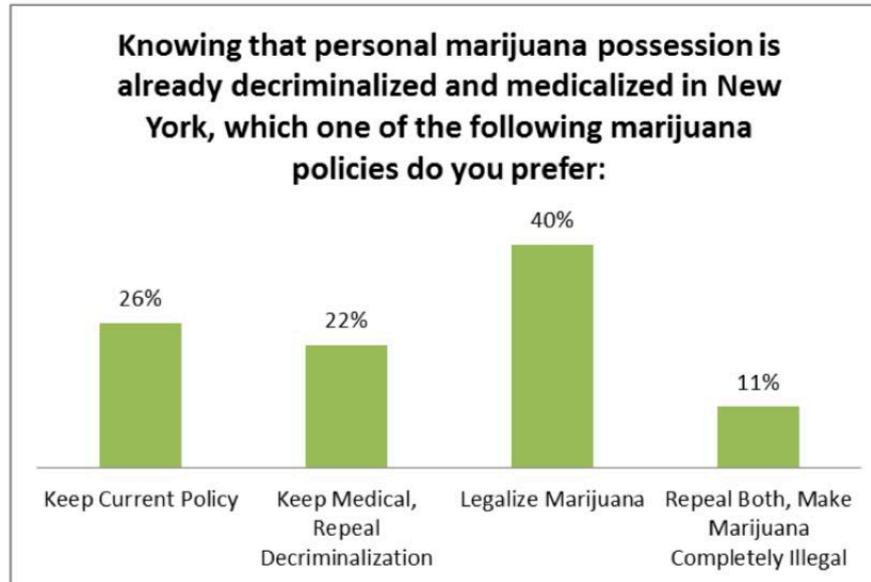
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Half of Americans support alternatives to full marijuana legalization: poll

BY JOSH DELK - 01/17/18 04:20 PM EST



NEW ILLINOIS MASON-DIXON POLL SHOWS

LARGE MAJORITY OPPOSES LEGALIZING RECREATIONAL MARIJUANA

Poll finds only 23% support the legalization of recreational marijuana; 69% want other options such as maintaining current decriminalization law

LESSONS LEARNED FROM MARIJUANA LEGALIZATION IN FOUR U.S. STATES AND D.C.

MARCH 2018



Reviewed by researchers from:
University of Colorado at Denver
Harvard Medical School
Boston Children's Hospital
University of Connecticut
Yale University
University of Kansas
and more

SAM Smart Approaches to Marijuana
preventing another big tobacco

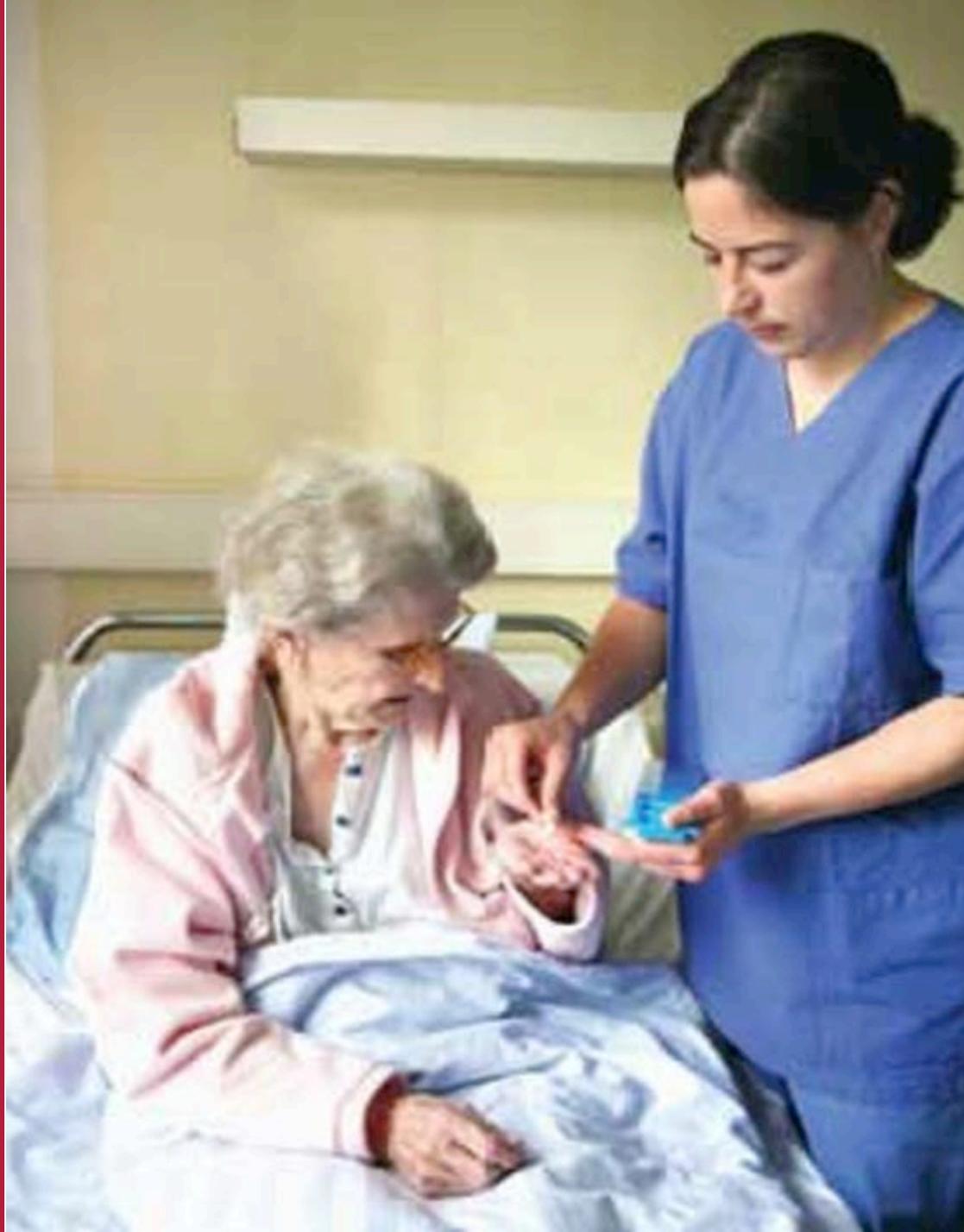
www.itsameaboutsam.org

Marijuana As Medicine



The old stereotype

The new image



Legalization advocates have admitted that “medical” marijuana is a pretext for legalization

“We will use [medical marijuana] as a red-herring to give marijuana a good name.”

—Keith Stroup, head of NORML,
to the *Emory Wheel*, 1979



Advocates have pushed their agenda through
“medicine by popular vote” rather than the
rigorous scientific testing system devised by the
FDA

Is marijuana medicine? It depends on how you look at the question



NO

Smoked or ingested raw marijuana is **not medicine**



YES

There are marijuana-based pills available to treat illness, and other such medications coming soon



MAYBE

Additional research is ongoing into the medical properties of marijuana-derived compounds

Marijuana edible displays



Do all US states treat marijuana the same?

No: Some states have decriminalized, some have legalized, some have medicalized, some have done nothing

Key Point: Medical marijuana programs are all different

West Coast versus East Coast distinction

Is the true goal of “medical” marijuana compassionate care or increased access to pot?

THE “AVERAGE” USER ISN’T SICK

The average “medical” marijuana user is **not** whom you’d imagine:



- White male
- 32 years old
- No history of life-threatening disease
- History of drug and alcohol abuse

ILLNESSES USED TO JUSTIFY “MEDICAL” MARIJUANA ARE RARE



Fewer than 5% of “medical” marijuana card holders are cancer, HIV/AIDS, or glaucoma patients

What about "Schedule 1?"

Smoked, whole marijuana is in S-1, which means it doesn't have medical use.

Marinol is S-3

YOU CAN RESEARCH S-1 drugs, and this happens every day.

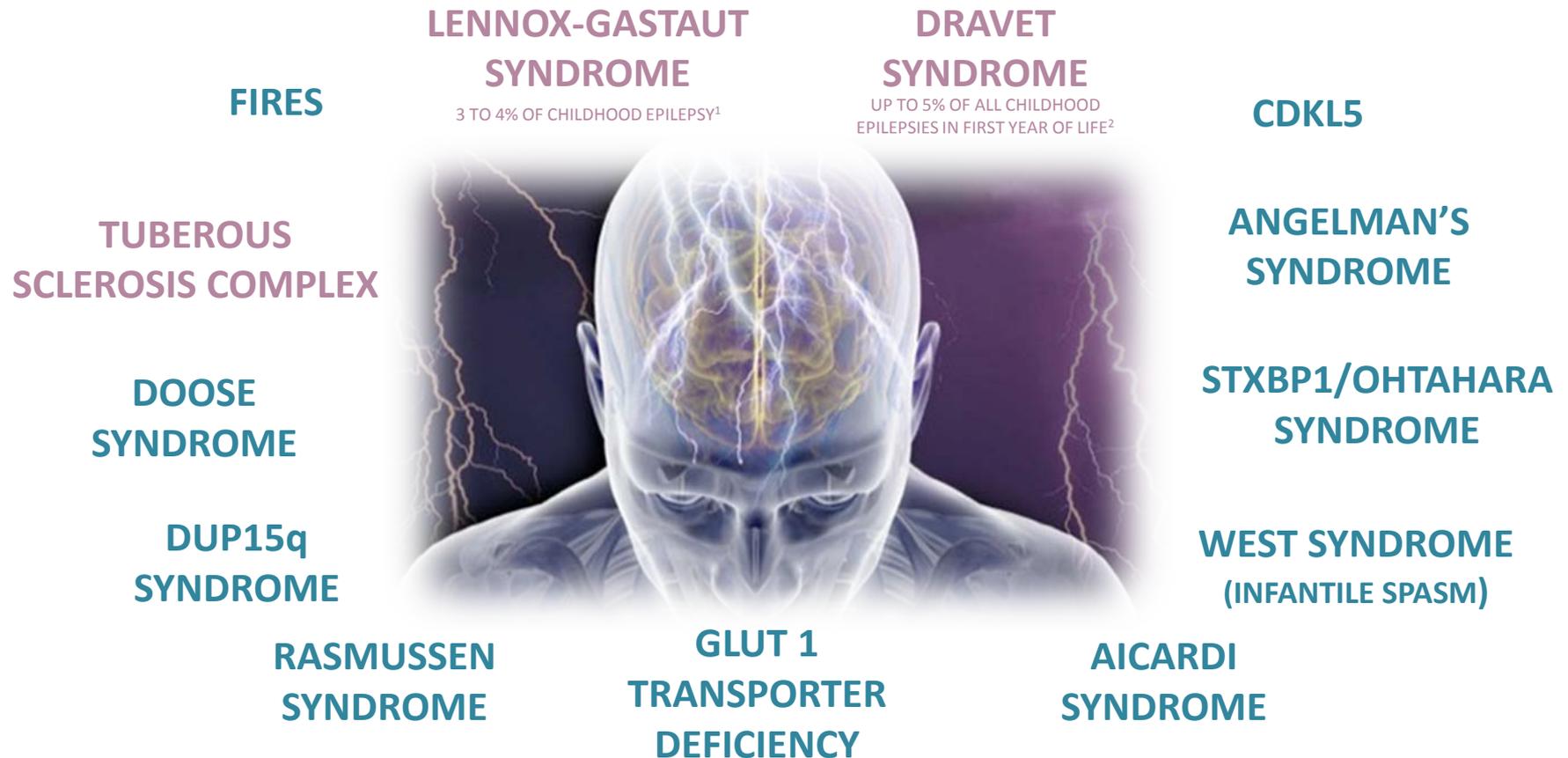
Scheduling is a matter of extreme confusion.

Approved Cannabinoid Products

- **Marinol[®] and its generics**: synthetic THC in sesame oil; schedule III; nausea/vomiting in cancer chemotherapy and AIDS wasting;
- **Cesamet[®] (nabilone)**: a synthetic THC analogue; schedule II;
- **Epidiolex[®] (cannabidiol)**: used to treat Lennox-Gastaut Syndrome, Dravet Syndrome
- **Sativex[®]**: a botanical extract, 1:1 CBD to THC; approved in 28 countries (ex US) for spasticity in MS.

Treatment-Resistant Childhood Epilepsy: Spectrum of Rare Disorders

Many different types of epilepsy syndromes, seizures and causes, including:



Products in Development

- **Epidiolex®** (GW Pharma): Dravet Syndrome (DS)/ Lennox Gastaut Syndrome (LGS) (2 studies in each, **FDA APPROVAL; awaiting DEA**
 - also Tuberos Sclerosis Complex (TSC);
- **Synthetic CBD** (Insys): DS/ LGS (Phase 1b/2a) , Infantile Spasms;
- **Synthetic CBD** (transdermal) (Zynerba): complex partial seizures; Phase 1.

Safer than alcohol?

Beer



Whiskey



Safer



Regulate Mass.com/Safer

Paid for by the Campaign to Regulate Marijuana Like Alcohol, sponsored by the Marijuana Policy Project.

Safer than alcohol?

- Is alcohol legal because its safe?



- Marijuana's effects **last longer**
- Abusers report **far more problems** at home, work, and school
- **People rarely substitute pot for booze**—they mix them instead
- Lots of people drink; **very few use marijuana**—despite what you see on TV

What is our alternative?

In States That **Have** Legalized:

- **Edibles and high THC concentrates** should be outlawed or severely restricted
- **The Marijuana Industry** should not serve on rule-making bodies to determine regulations.
- **Pot advertising and promotions** should be prohibited.
- A science-based public **awareness campaign** should be implemented across multiple media.
- **Drugged driving prevention** should be a **priority**, with tough laws imposed on those who drive stoned.

In States That **Have Not** Legalized:

- Remove criminal penalties and arrest records for personal possession of pot.
- Pot use should be discouraged, and people caught repeatedly with marijuana should be directed to early interventions and/or treatment.
- A science-based public awareness campaign should be implemented across multiple media.
- Drugged driving prevention should be a priority, with tough laws imposed on those who drive stoned.

OVERALL OBJECTIVES

An alternative policy to drug legalization that:

- 1 Minimizes drug use, especially problematic use
- 2 Resolves underlying substance abuse problems driving criminal behavior (beyond simple possession and use)
- 3 Reduces recidivism
- 4 Saves societal resources

POLICY FRAMEWORK

PHASE	Pre-entry	Pre-sentencing	Pre-release	Re-entry
GOAL	Prevent people from entering criminal justice system—providing an alternative to “you’re either in trouble or on your own”	Diversion by prosecutors into alternative outcomes	Treatment & recovery options during criminal sentence	Social re-integration and maintenance of recovery process (includes probation/parole)
MODELS	<ul style="list-style-type: none"> • Civil fines • Diversion by police • Administrative justice model (e.g., Portugal) • Immediate referral to social services 	<ul style="list-style-type: none"> • DTCs/therapeutic justice • Post-indictment diversion into treatment/education 	<ul style="list-style-type: none"> • State-run, in-prison treatment & recovery programs • Prison treatment & recovery programs run by civil society or private companies (generally state-funded) 	<ul style="list-style-type: none"> • Re-entry services & training • Expungement & sealing
EXAMPLES	<ul style="list-style-type: none"> ○ NH pot decrim law ○ LEAD programs ○ Portuguese model ○ Swedish model of obliging police to inform social services of drug cases ○ Integrating SBIRT w/ police 	<ul style="list-style-type: none"> ○ NADCP drug court guidelines ○ Mont. Cty. MD IPSA program ○ Cook & St. Clair Cty Drug School Diversion Program 	<ul style="list-style-type: none"> ○ Federal programs (insufficient supply) ○ TASC services: Prison Substance Abuse Screening & Treatment ○ Prison Fellowship 	<ul style="list-style-type: none"> ○ TASC services: Clinical Pre-Release Program, Supportive Release Center & Jail Discharge Program ○ Prison Fellowship life skills program

TRANSVERSAL PROGRAMS (available to the public)

- Prevention and education resources for the public, especially focused on children – ideally nationally coordinated
- Expanded mental health services, with free or low-cost options to lower-income individuals
- State-sponsored activities for kids (part of [Icelandic model](#))



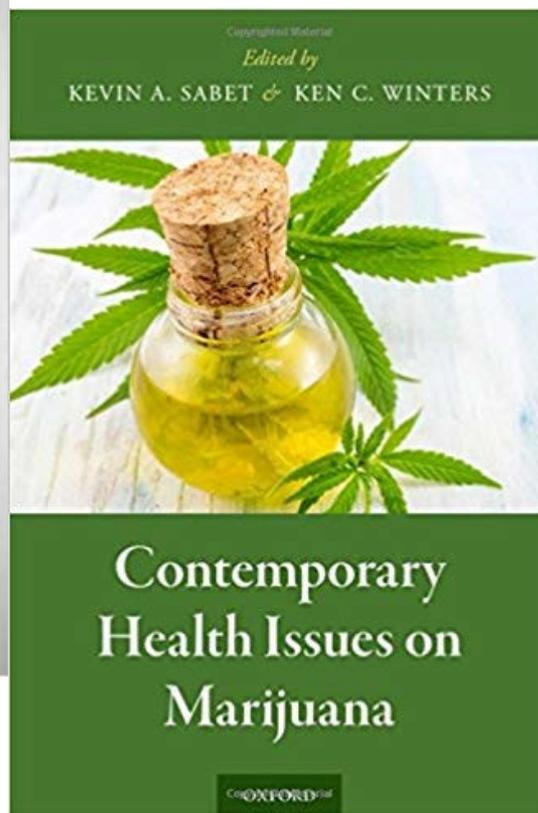
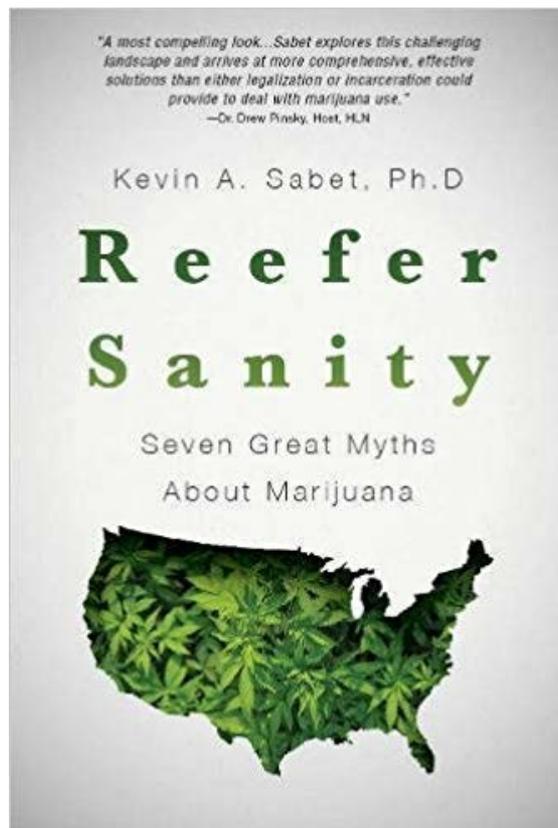
A final word from Volkow et al in the NEJM:

“Repeated marijuana use during adolescence may result in long-lasting changes in brain function that can jeopardize educational, professional, and social achievements.

“However, the effects of a drug (legal or illegal) on individual health are determined not only by its pharmacologic properties **but also by its availability and social acceptability.**

“In this respect, legal drugs (alcohol and tobacco) offer a sobering perspective, accounting for the greatest burden of disease associated with drugs *not because they are more dangerous than illegal drugs* but because their legal status allows for more widespread exposure.”

Resources



Drugabuse.gov
LearnaboutSAM.org
MarijuanaReport.org

You Matter

In 2015, **15 percent of adult Americans smoked**, down from nearly 40 percent in 1970.

The first sentence of the most recent Surgeon General's Report on Smoking proudly proclaimed,

"We have learned how to end the tobacco epidemic."

However...

Neither the Occupational Safety & Health Agency nor the Environmental Protection Agency regulate secondhand smoke.

Congress has never passed a Non-Smokers' Rights Act.

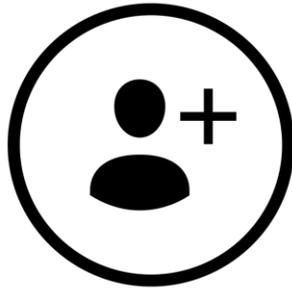
So how did this happen?

LOCAL ACTIVISTS

41 states and 1,354 cities have enacted laws to protect the health of citizens

"cities functioned as both a site for social activism and a node of resistance against federal inaction"

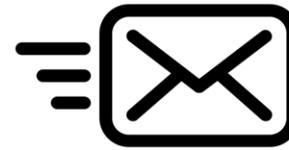
Get Involved!



Sign up for alerts and news, also **donate** to the cause at learnaboutsam.org



Grassroots organizing through SAM Action App (text **SAM** to 797-979 or find in App Store)



Connect with us via email at info@learnaboutsam.org
&
Follow us:
[@learnaboutsam](https://www.facebook.com/learnaboutsam)
[Facebook.com/learnaboutsam](https://www.facebook.com/learnaboutsam)

“We were gaining momentum. But now that's flipped and we're more on the defensive.” – Rep. Dina Titus (D-NV), one of the biggest marijuana supporters in Congress.

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