

SAM Smart
Approaches to
Marijuana
preventing another big tobacco

UF | UF College of Medicine
Department of Psychiatry and Addiction Medicine
Drug Policy Institute

Reefer Sanity in the Marijuana Debate

Kevin A. Sabet, Ph.D.
Director, Drug Policy Institute, University of Florida
Co-Founder, Project SAM (Smart Approaches to Marijuana)

www.learnaboutsam.org

www.kevinsabet.com

"The most thoughtful, rigorous, and accessible discussion of marijuana to date. Sabet eschews silver bullets for smart, evidence-based solutions rooted in public health." – Dr. Robert L. DuPont founding Director, National Institute on Drug Abuse, National Institutes of Health

REEFER SANITY

SEVEN GREAT MYTHS
ABOUT MARIJUANA



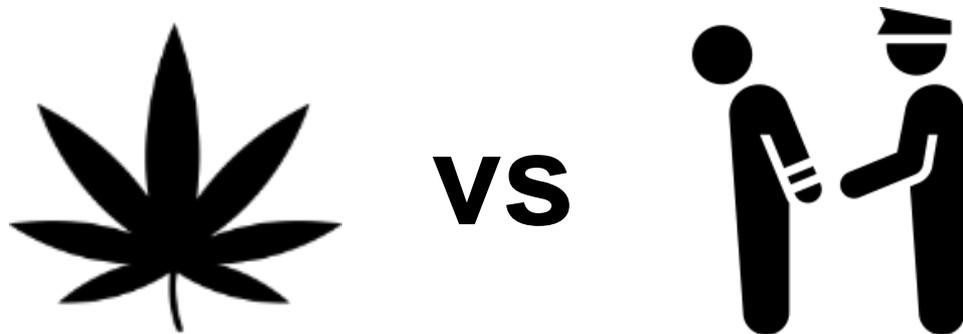
KEVIN A. SABET, PH.D.

FOREWORD BY PATRICK J. KENNEDY, FORMER CONGRESSMAN

“Reefer Sanity”: Exploding myths about marijuana

- As seen on Amazon.com and Barnes & Noble

The false dichotomy: “Legalization OR incarceration?”



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
- We envision a society where **marijuana policies align with science, and commercialization and normalization of marijuana are no more**

SAM's board members and supporters

- **American Society of Addiction Medicine**
- **American Academy of Pediatrics**
- **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



Legalization = Big Marijuana

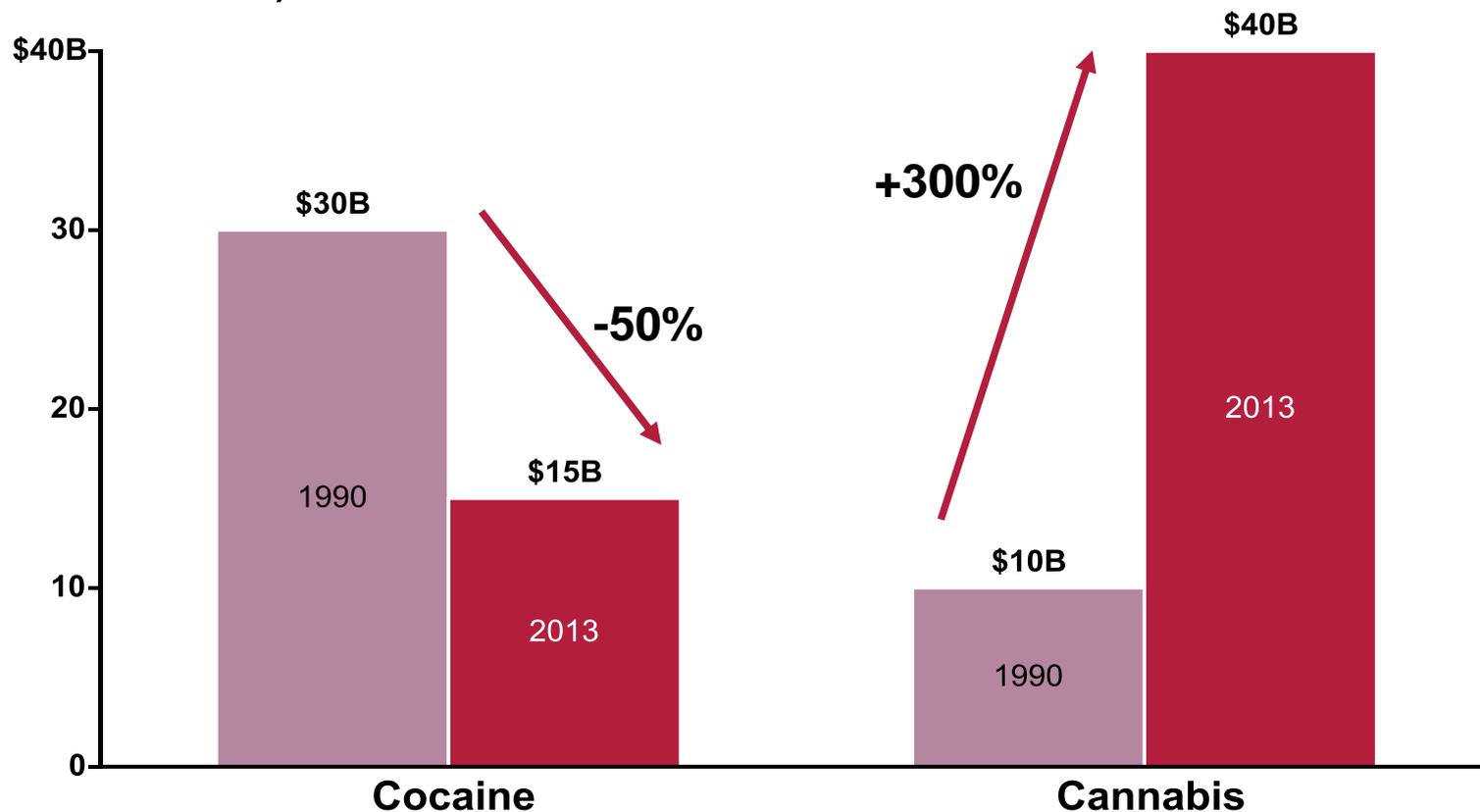
Legalization
measures will
inevitably lead to
mass
commercialization

Important truths about marijuana use today

- Number of people who use 21+ days has **increased by a factor of 7** since 1992
- Since 2007, the use of marijuana measured by days of use **has increased 57%**
- **One arrest for every 5,800 days of use**
 - That means someone who smokes marijuana 2x week for their whole life has **a chance of being arrested once every 50 years**
- **Potency has grown 10-20 fold**
- Marijuana is now **the second leading cause of impaired driving**
- Most young people now **use marijuana more than tobacco**

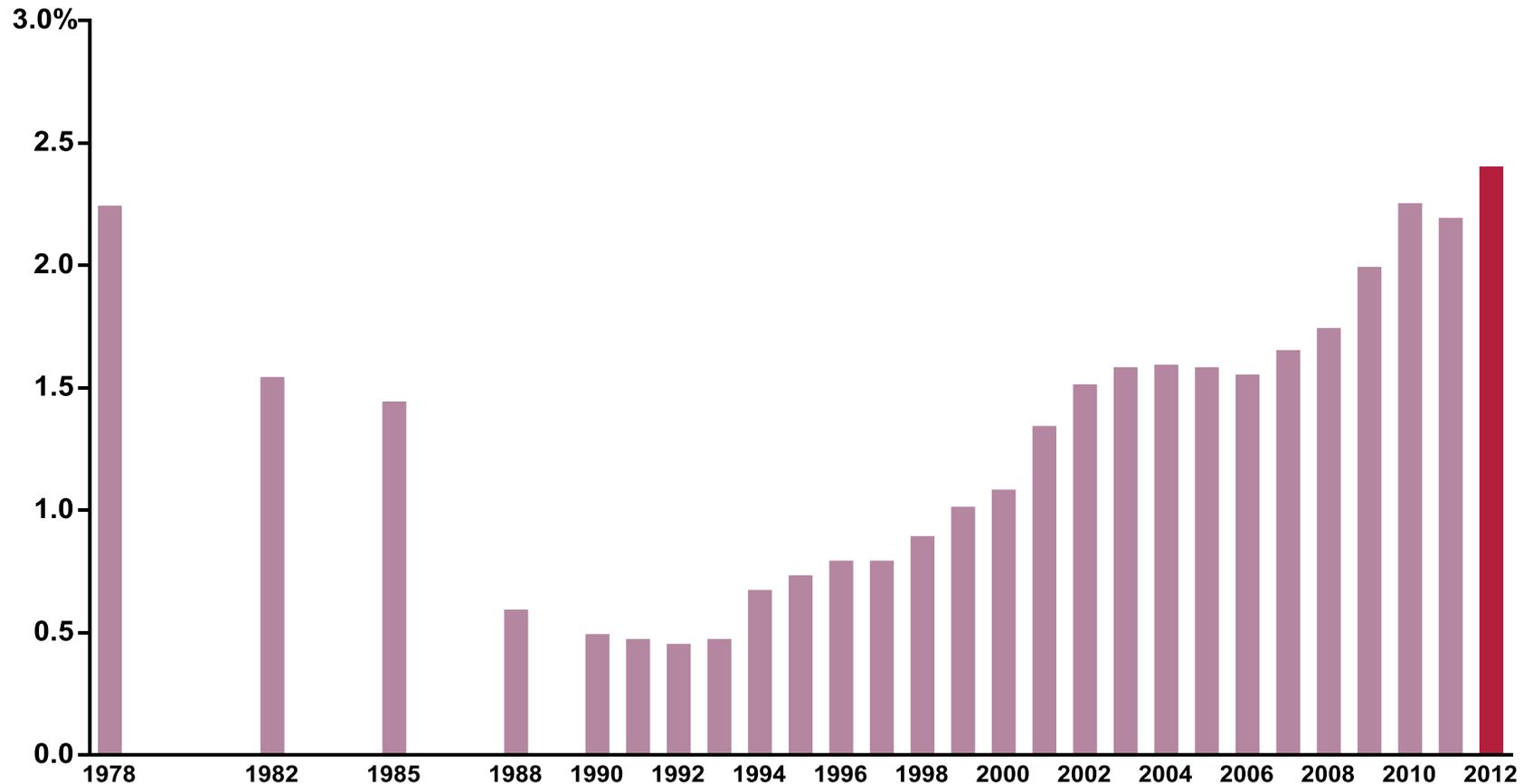
Americans now spend more money on marijuana, and less on other drugs such as cocaine

Spending by Americans
(in billions of dollars)

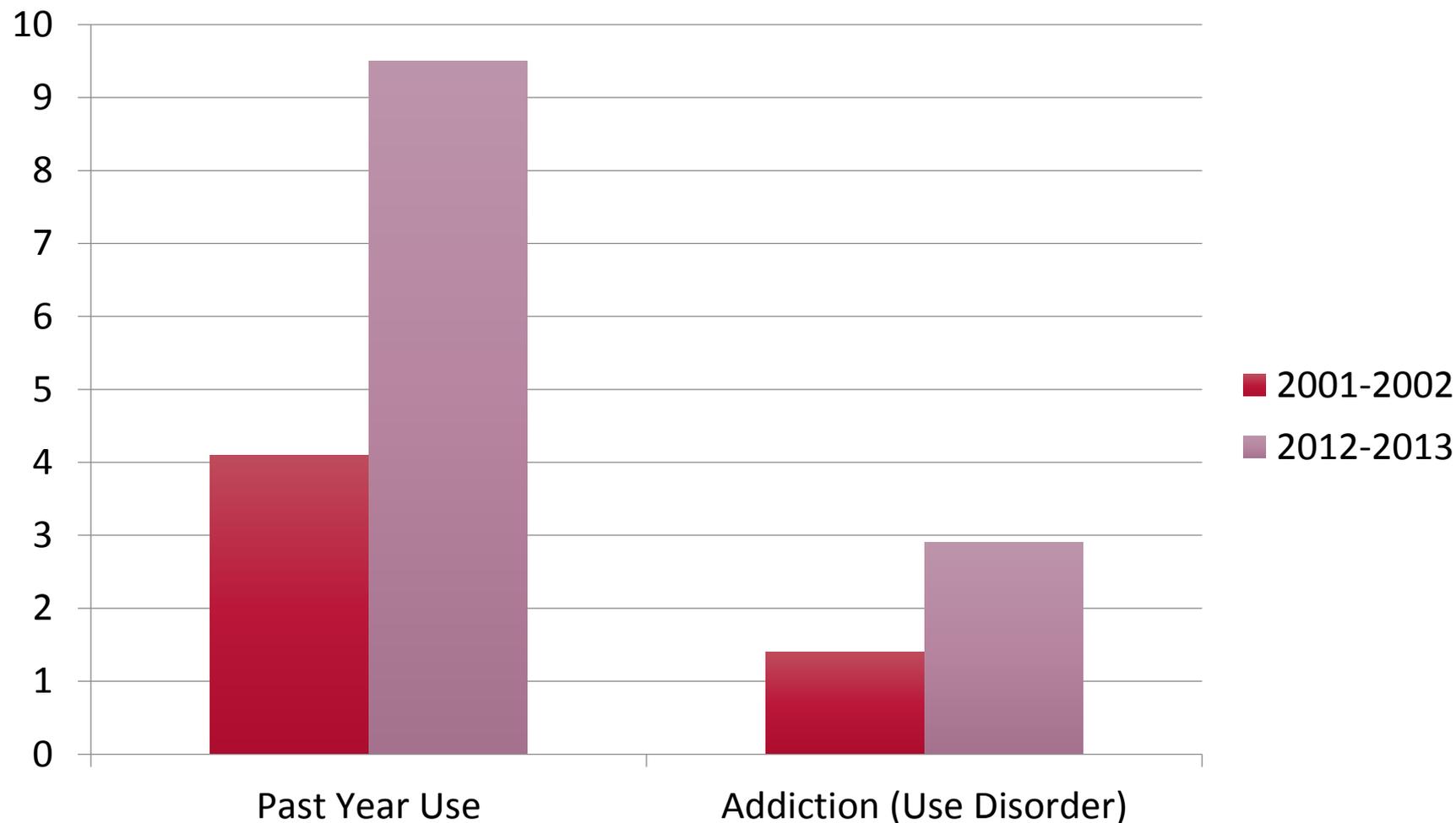


Daily marijuana use has risen to historic highs

Percentage of people in the United State using marijuana daily



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



Why should we
care about
marijuana?



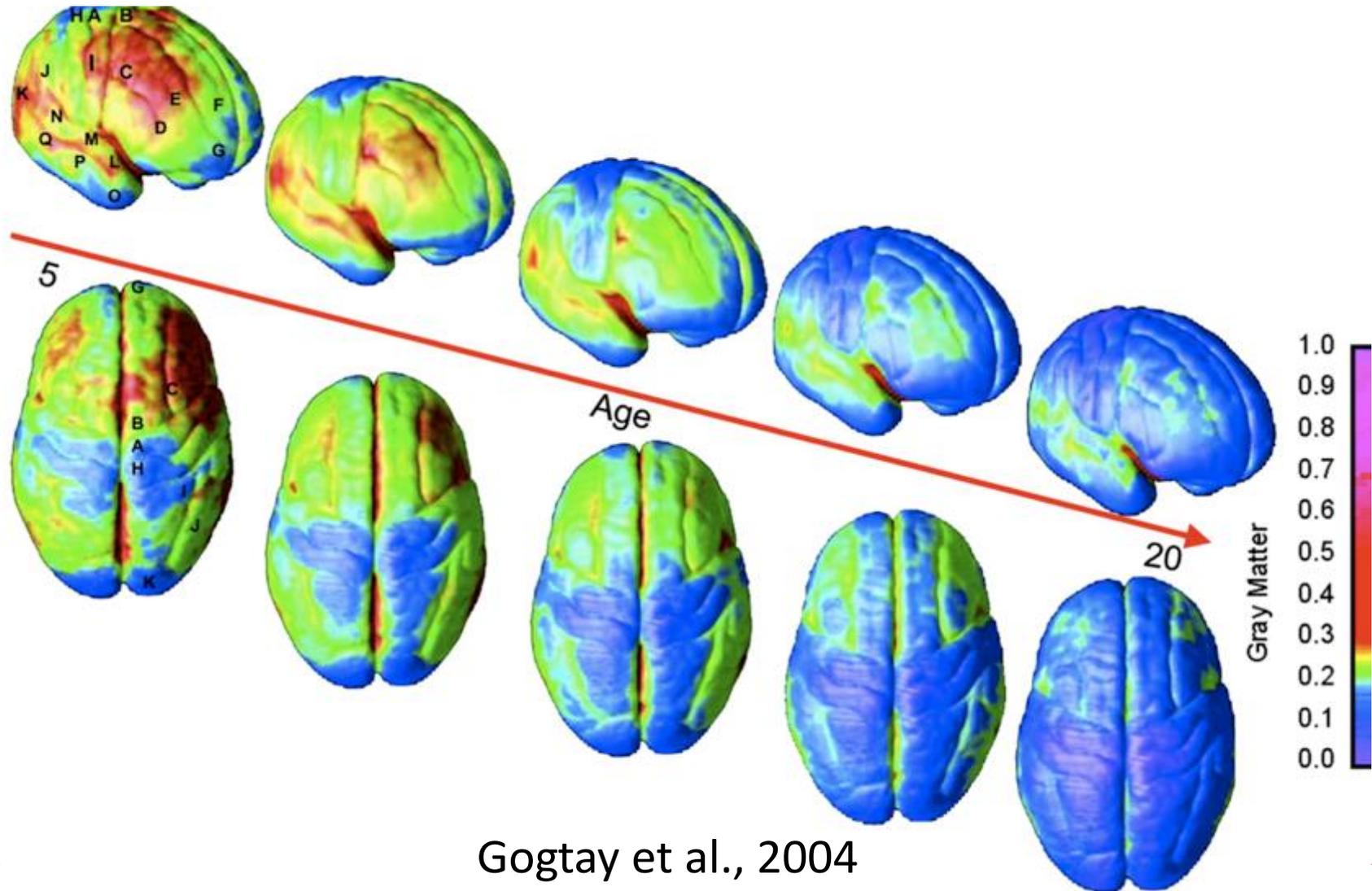
Seven myths about marijuana that legalizers want you to believe

- 1** Marijuana Is Harmless and Non-addictive
- 2** Smoked Marijuana is Medicine
- 3** Countless People Are Behind Bars for Smoking Marijuana
- 4** The Legality of Alcohol and Tobacco Strengthen the Case for Marijuana Legalization
- 5** Legal Marijuana Will Solve the Government's Budgetary Problems
- 6** Portugal and Holland Provide Successful Examples of Legalization
- 7** Prevention, Intervention, and Treatment are Doomed to Fail – So Why Try?

Myth 1: Marijuana is Harmless and Non-addictive

- 1 Marijuana Is Harmless and Non-addictive
- 2 Smoked Marijuana is Medicine
- 3 Countless People Are Behind Bars for Smoking Marijuana
- 4 The Legality of Alcohol and Tobacco Strengthen the Case for Marijuana Legalization
- 5 Legal Marijuana Will Solve the Government's Budgetary Problems
- 6 Portugal and Holland Provide Successful Examples of Legalization
- 7 Prevention, Intervention, and Treatment are Doomed to Fail – So Why Try?

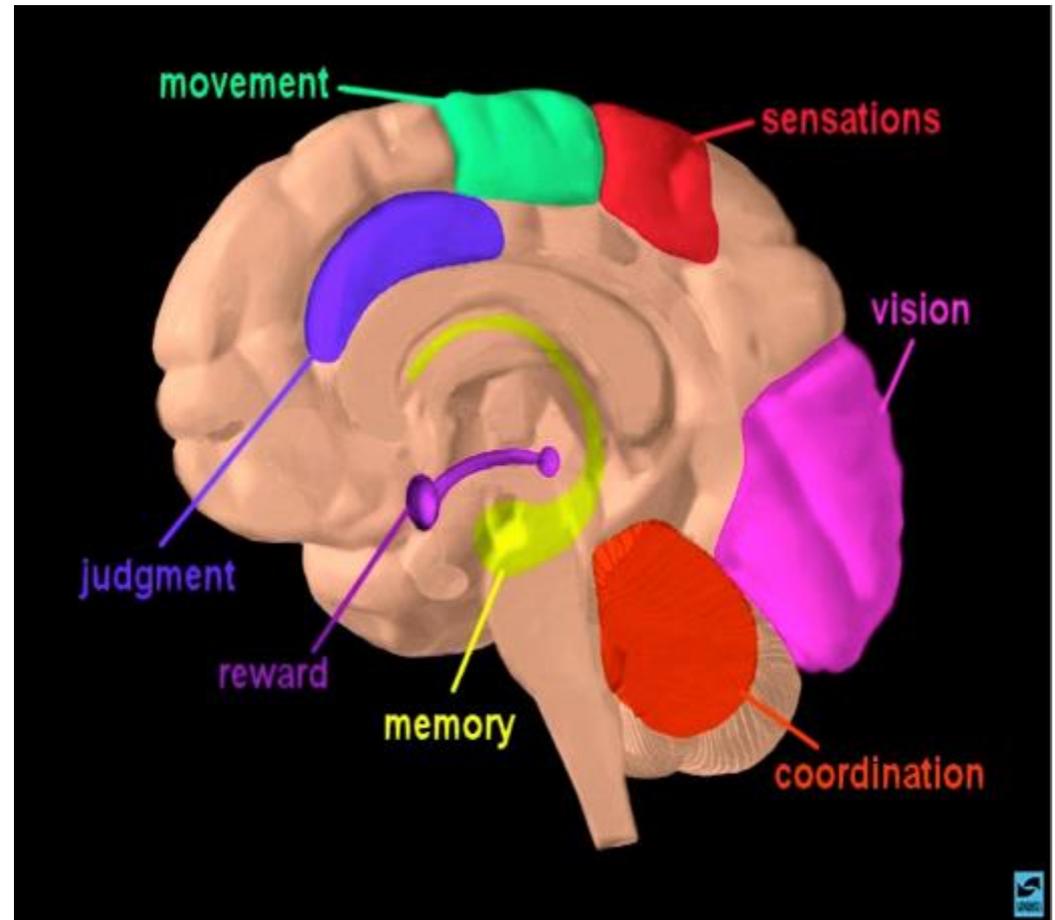
Brain development, Ages 0-20



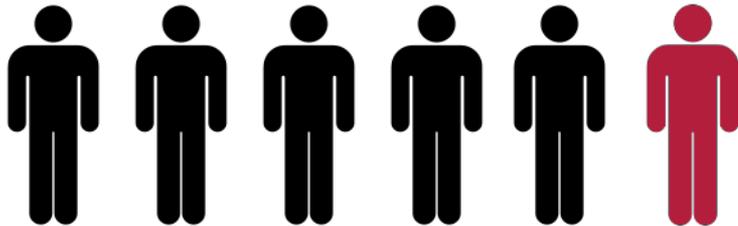
Gogtay et al., 2004

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



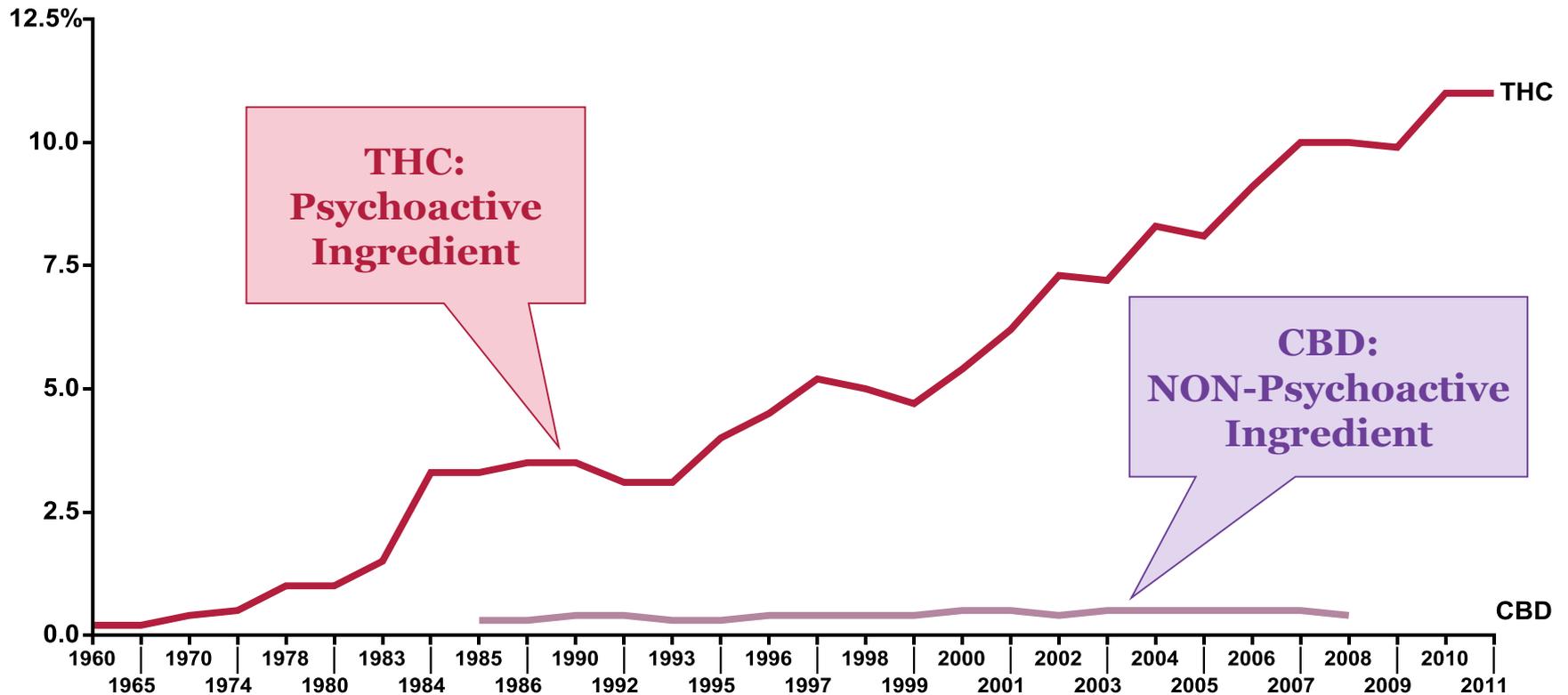
1 in 6 teens become addicted to marijuana



- 1 in 11 adults and 1 in 6 adolescents who try marijuana will become addicted to it
- The adolescent brain is especially susceptible to marijuana use
- When kids use, they have a greater chance of addiction since their brains are being primed

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 © 2014 by the SAM authors.
All rights reserved.

“Shatter”





“Dabs”: the new frontier of marijuana

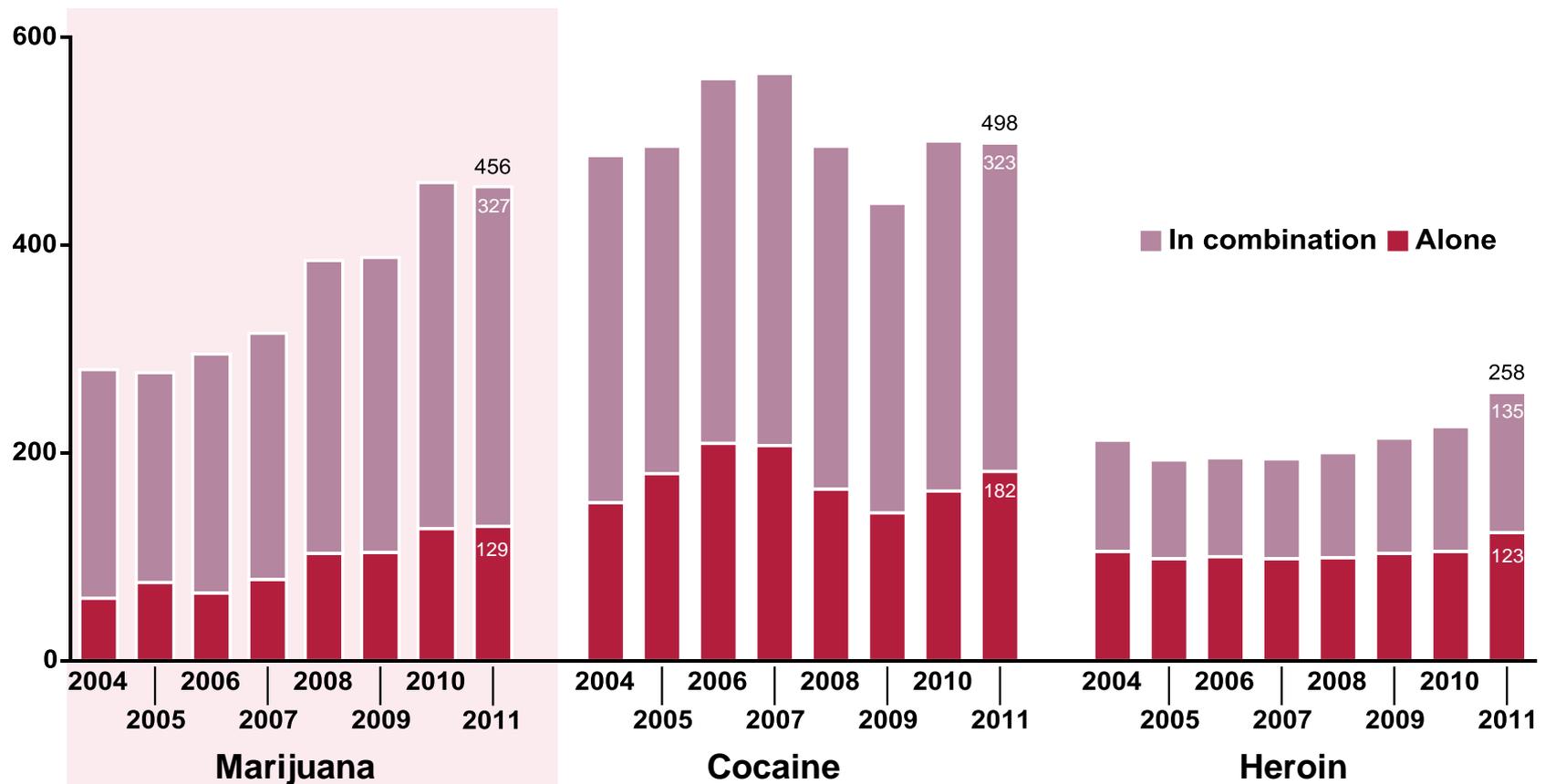
“With dabs your local action news team gets to do a marijuana story that shows **crack pipe torches used on sticky heroin-looking goo made from a process that blows up like meth labs.**”

- *High Times* magazine
7 May 2014

Marijuana-related emergency room visits have risen sharply, both in relative and absolute terms

Number of Emergency Department Visits Involving Marijuana, Cocaine, or Heroin

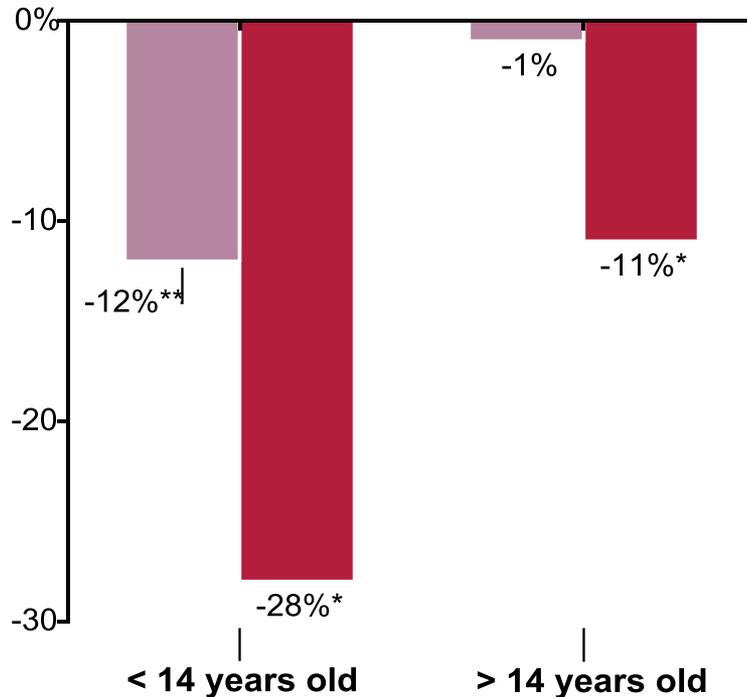
of emergency-department visits
(in thousands)



Early marijuana use and intensity of use are associated with lower educational attainment

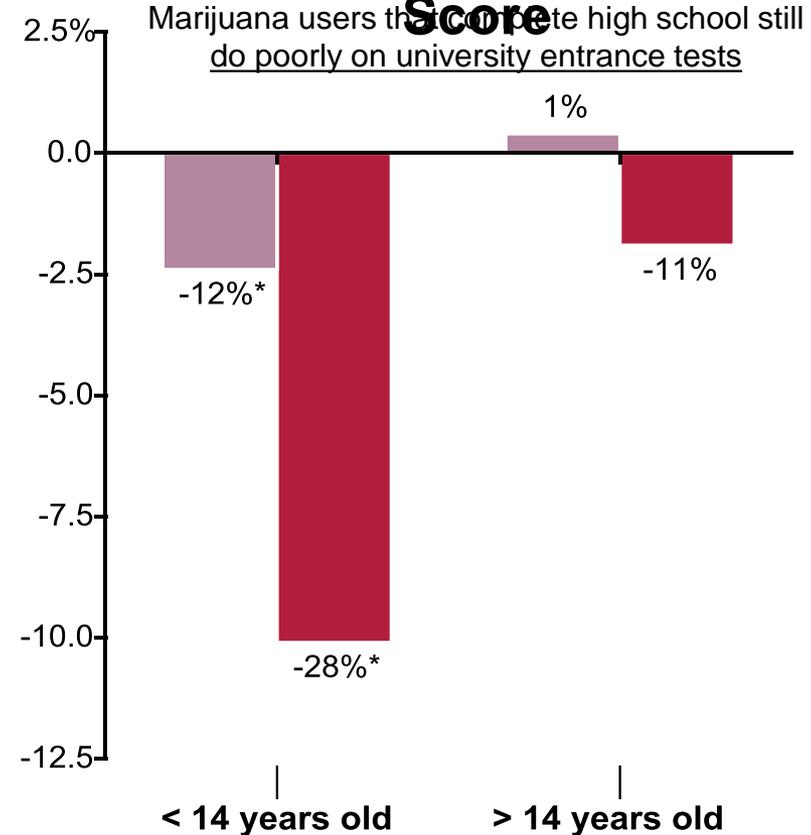
High School Completion

Marijuana users show much higher high school dropout rates than non-users



University Entrance Score

Marijuana users that do not complete high school still do poorly on university entrance tests

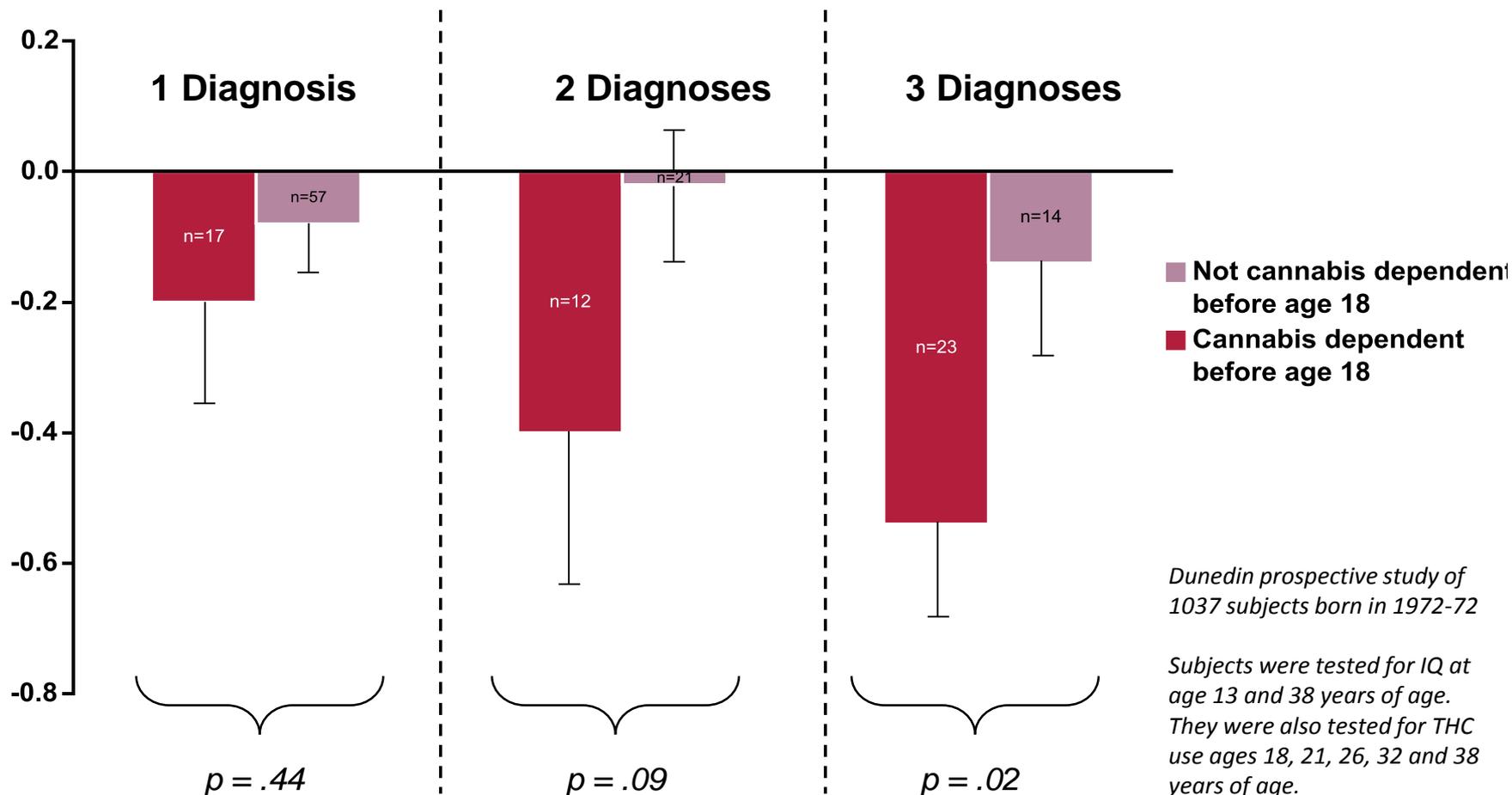


* $p < 0.01$, ** $p < 0.05$

■ Low intensity use
■ Med/high intensity use

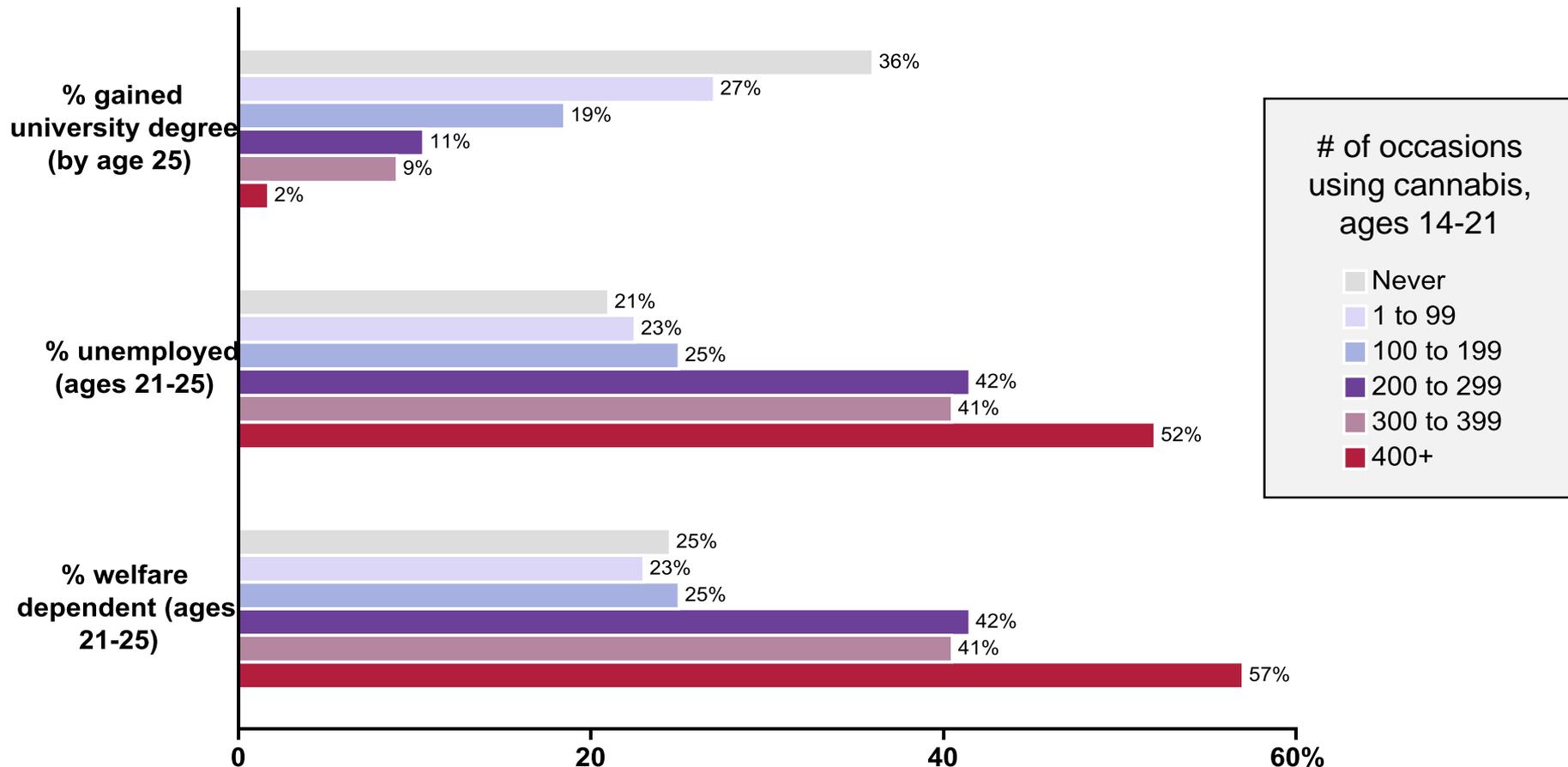
Marijuana use is also associated with lower IQ among adolescents

Change in full-scale IQ
(standard deviation units)



Cannabis use also corresponds with undesirable social outcomes such as unemployment

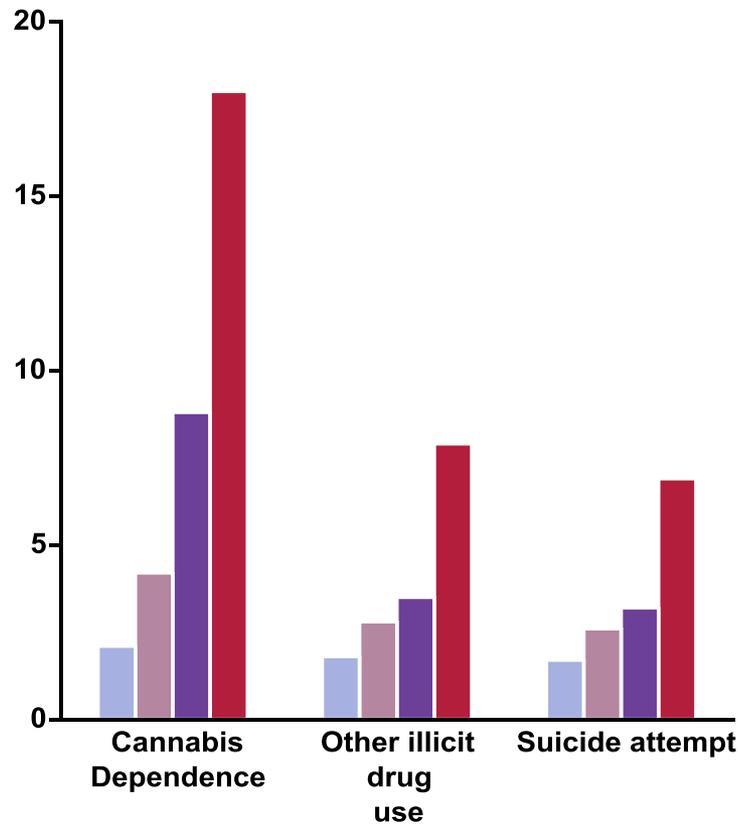
New Zealand study showing relationship between cannabis use and social outcomes



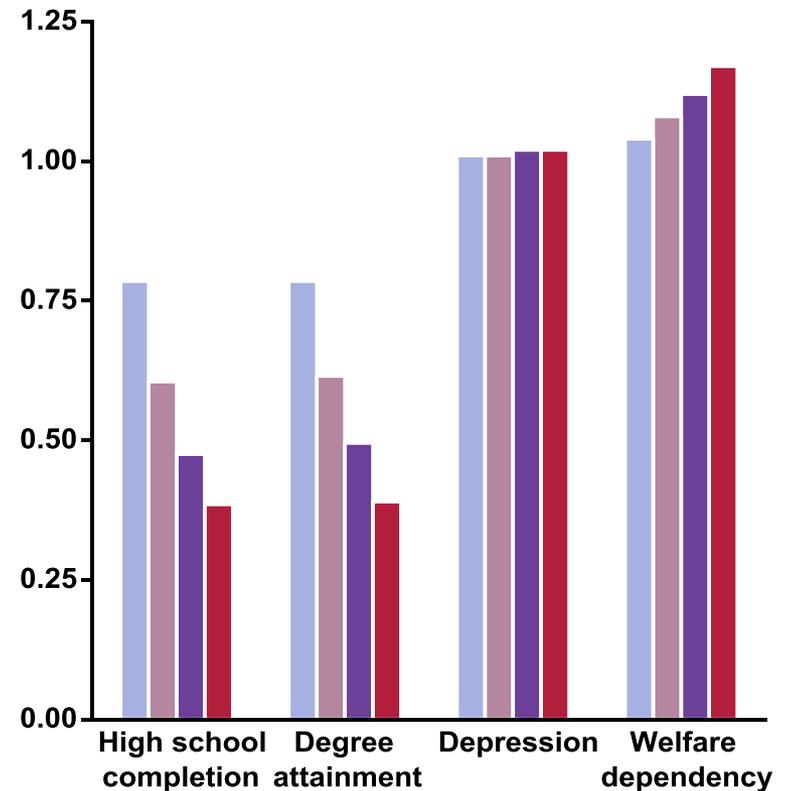
Frequent cannabis use by youth correlates with a host of undesirable effects



Adjusted odds ratios

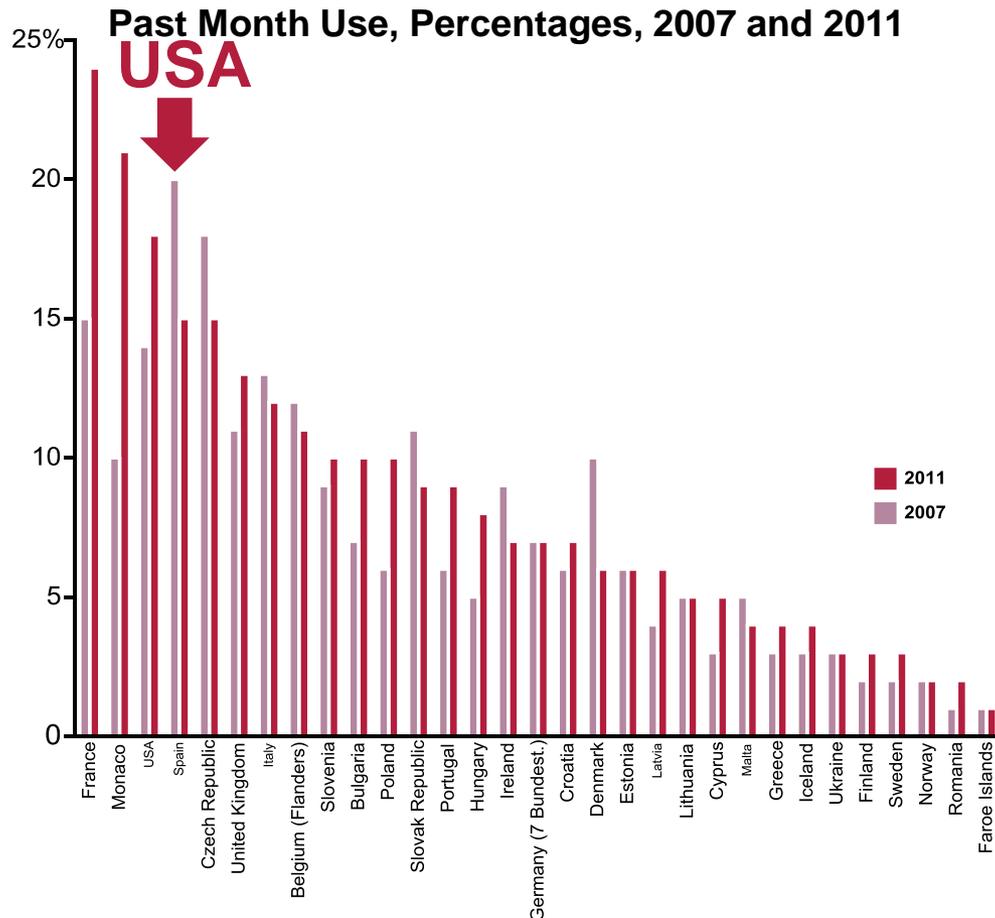


Adjusted odds ratios



Can the United States afford the risk of further increases in cannabis use?

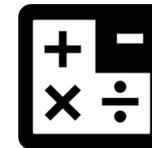
The U.S. is 30th out of 32 countries in cannabis use w/ 15 & 16-year-old students



The U.S. has fallen behind in educational achievement (out of 65 jurisdictions, 2012)

Math:
36th

Science:
28th



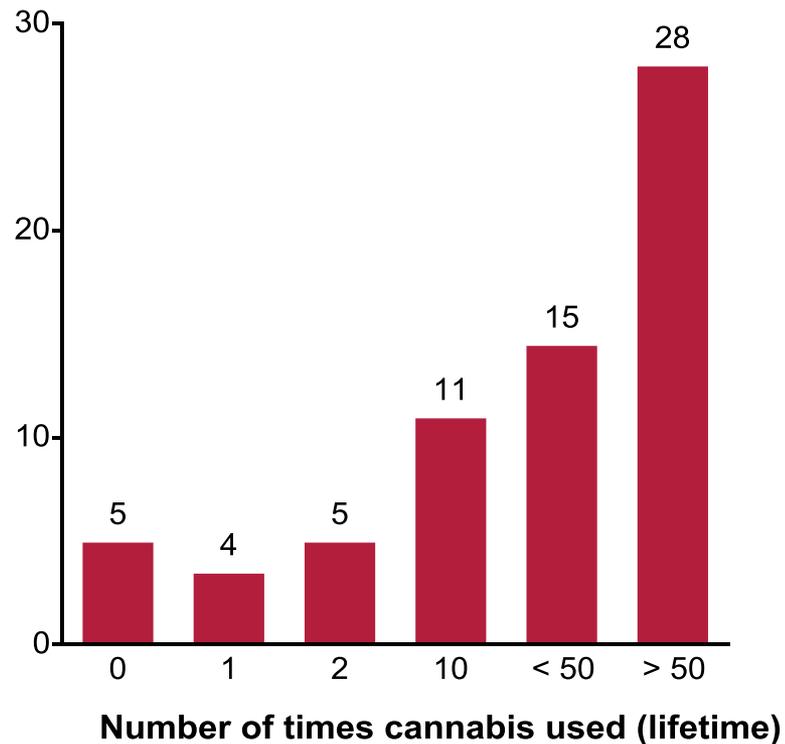
Reading:
24th



Marijuana use is associated with psychosis

MORE MARIJUANA USE CORRELATES WITH HIGHER RATES OF SCHIZOPHRENIA

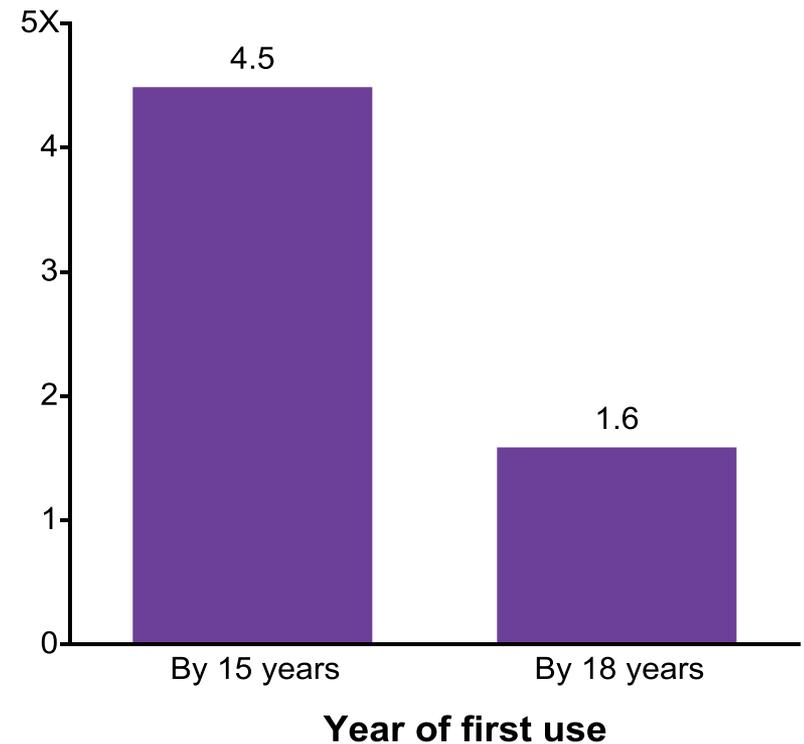
Cases of schizophrenia per 1,000 people



Study of Swedish Conscripts (n=45570)

EARLIER AGE OF USE CORRELATES WITH INCREASED SCHIZOPHRENIA RISK

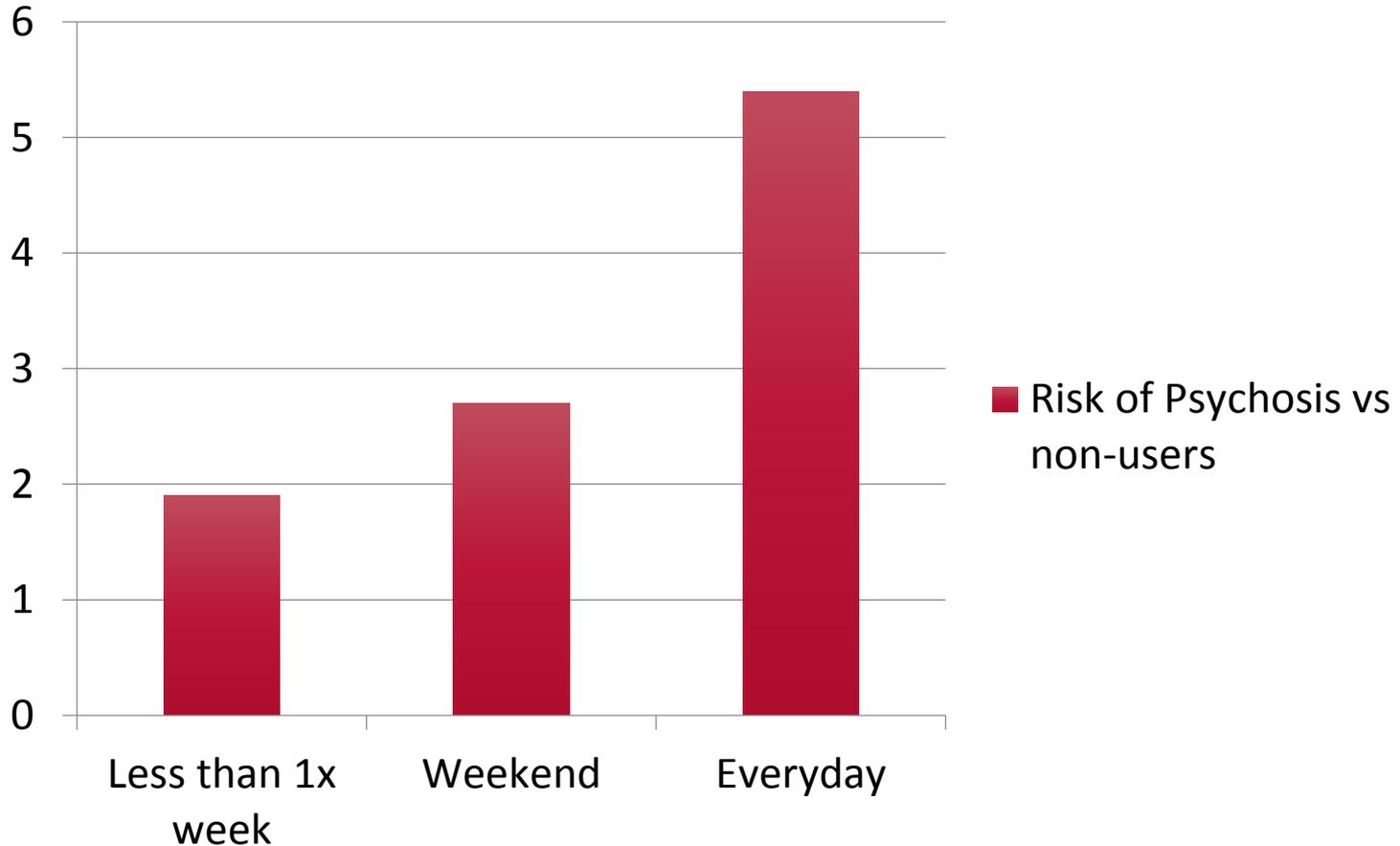
Risk multiple for schizophrenia-like psychosis at age 26



Longitudinal prospective Dunedin study (n=1037)

Higher Potency = Greater Risk of Mental Illness

Risk of Psychosis vs non-users

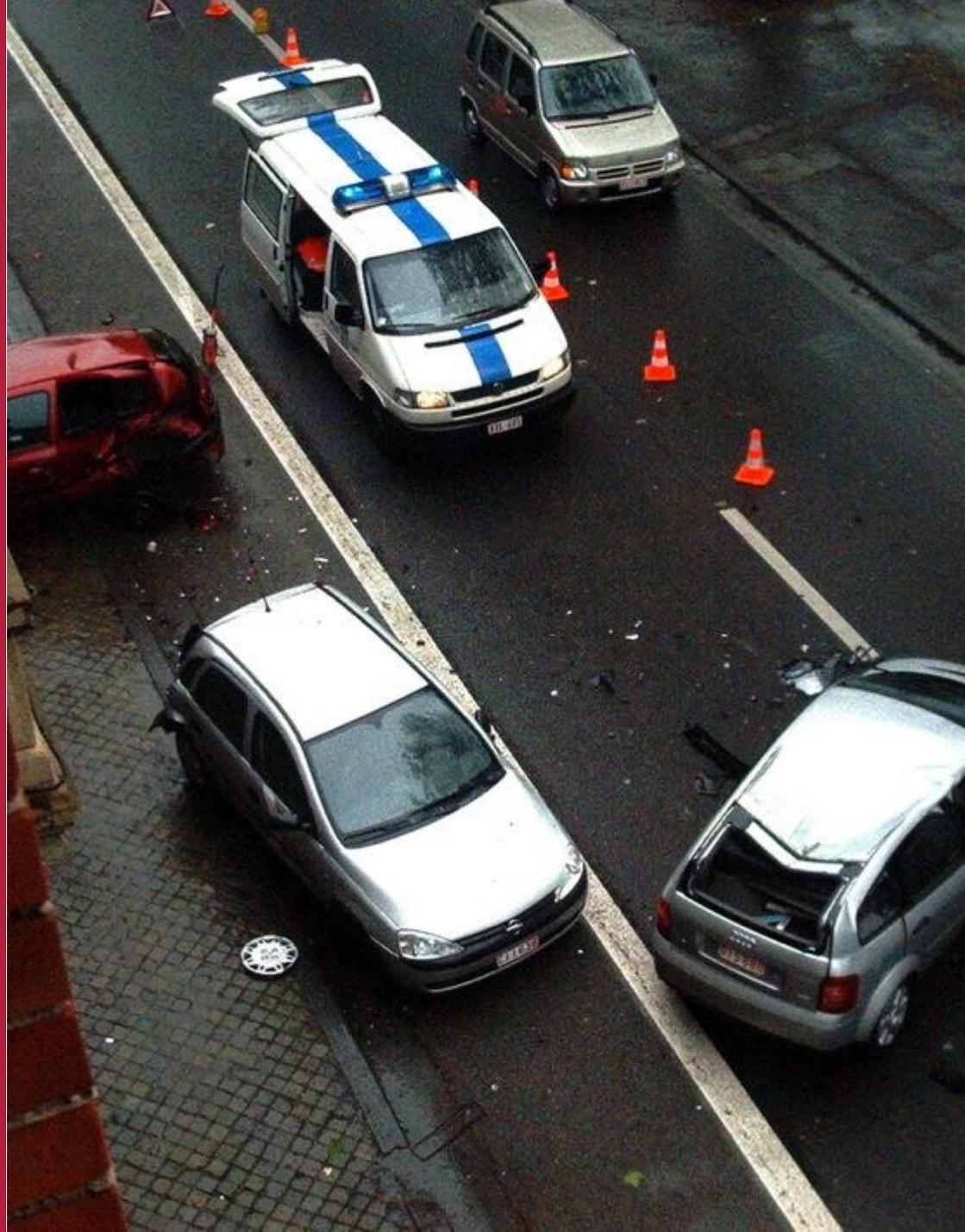


Di Forti, M., Marconi, A., Carra, E., Fraitetta, S., Trotta, A., Bonomo, M., & Murray, R. M. (2015). Proportion of patients in south London with first-episode psychosis attributable to use of high potency cannabis: a case-control study. *The Lancet Psychiatry*, 2(3), 233-238.

Increased use can lead to increased drugged driving

“Drivers who test positive for marijuana or self-report using marijuana are more than **twice as likely** as other drivers to be involved in motor vehicle crashes.”

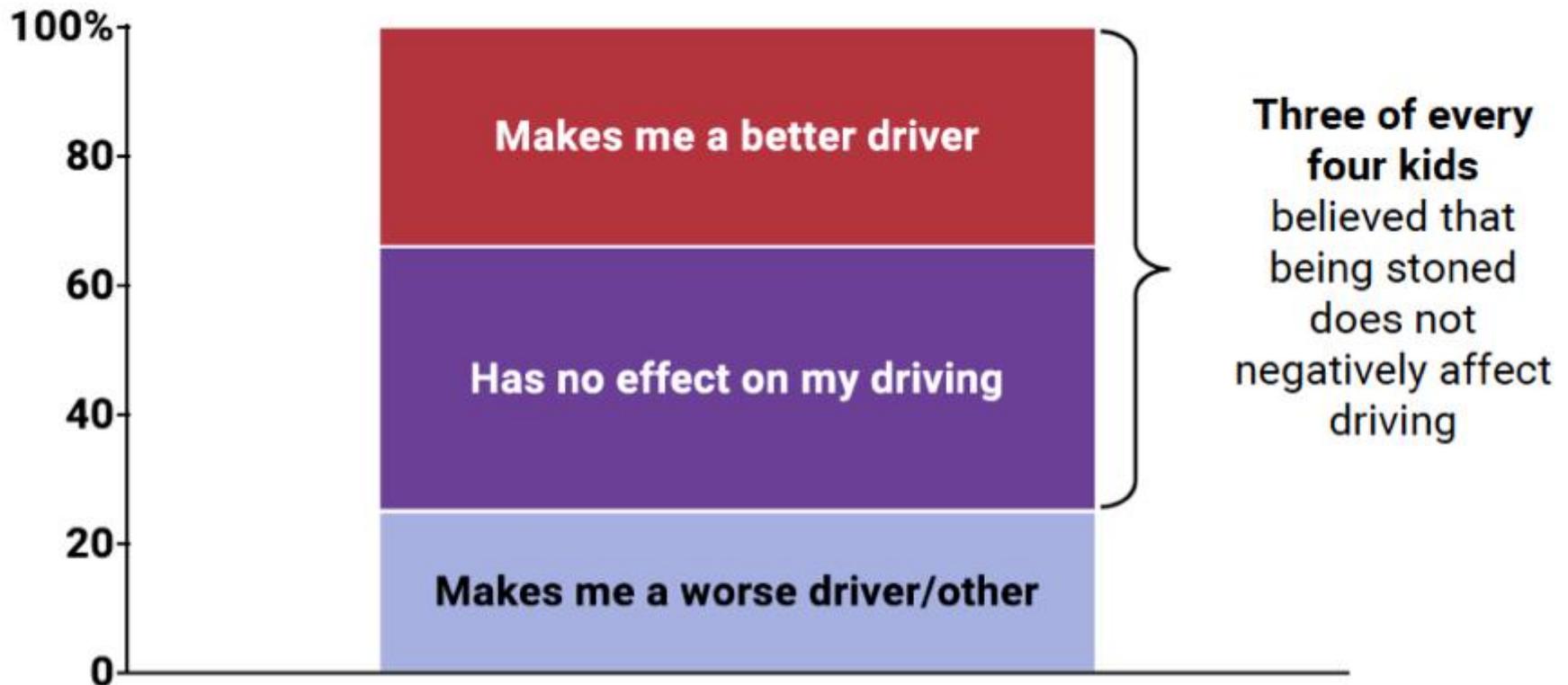
- Mu-Chen Li, J.E.,
et al., 2011



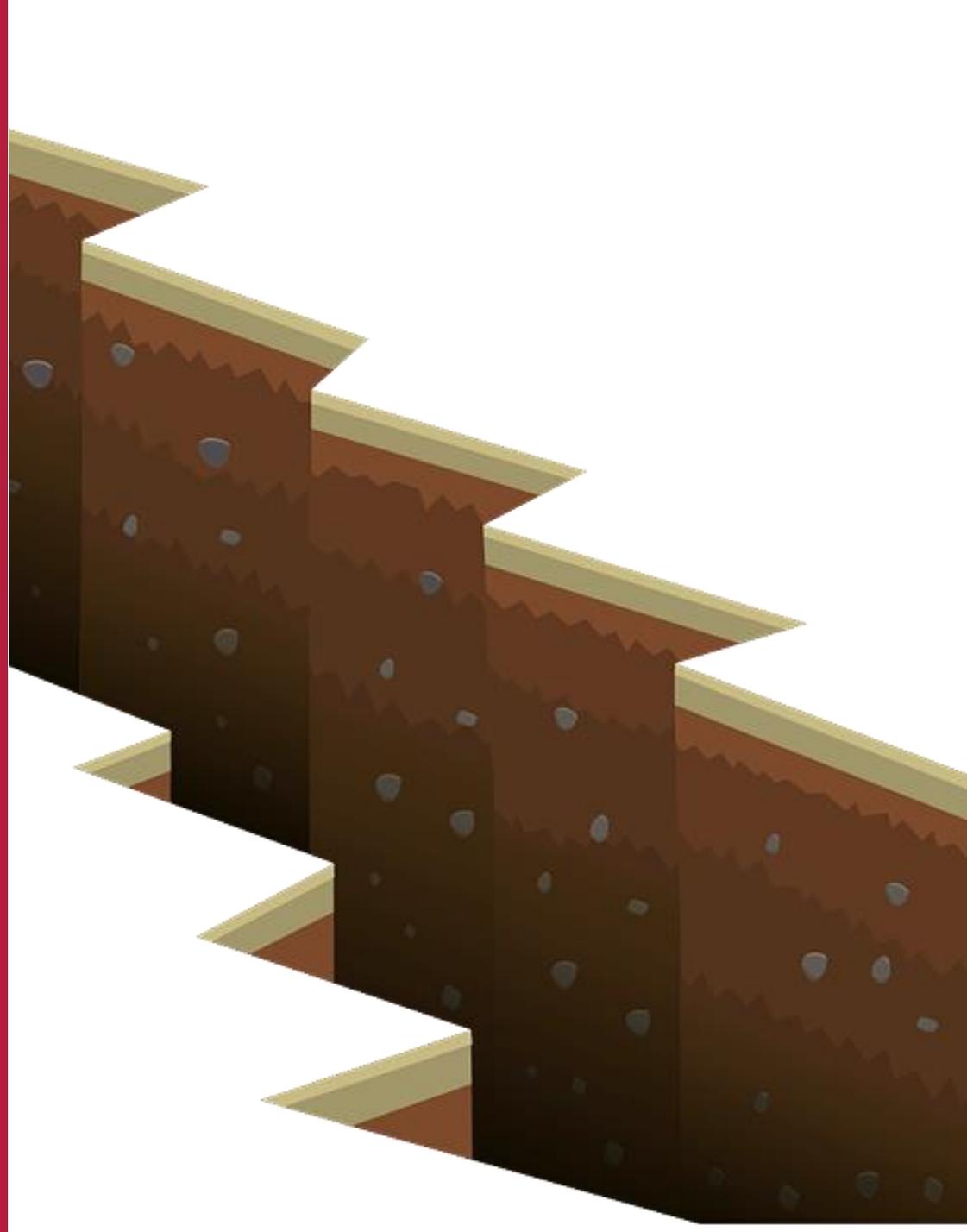
False opinions about marijuana are common— “being stoned makes me a better driver”

Poll of >1,700 high school juniors and seniors on driving while high:

Being stoned...



**The gulf has never
been greater
between
the scientific
understanding of
marijuana's harms
and
the public's
misunderstanding**





How did we get here?

Myth 2: Smoked Marijuana is Medicine

1 Marijuana Is Harmless and Non-addictive

2 Smoked Marijuana is Medicine

3 Countless People Are Behind Bars for Smoking Marijuana

4 The Legality of Alcohol and Tobacco Strengthen the Case for Marijuana Legalization

5 Legal Marijuana Will Solve the Government's Budgetary Problems

6 Portugal and Holland Provide Successful Examples of Legalization

7 Prevention, Intervention, and Treatment are Doomed to Fail – So Why Try?



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

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



The bottom line: smoking/ingesting marijuana is not “medicine”

- We don't smoke opium to get the effects of morphine...
- So why would we smoke marijuana to obtain any potential medical effects?

Safe, approved cannabis-based medicines already exist

- Research on the efficacy of cannabinoids is **not focused on raw/crude marijuana, but on individual components** that may have medical use.
- **Sativex is in the process of being studied** (phase III trials)
- **Approved by regulators** in Canada and across Europe
- Administered via an **oral spray**



Epidiolex™ is one such medication

- 98% pure cannabidiol (CBD)
- Some effectiveness for treating seizures
- Many versions exist on the market that are not purified or standardized



A long-term solution to expand authorized medical cannabis research is needed

CURRENT SITUATION

- Many groups are trying to sell or give away CBD in different states without going through any FDA or NIH process. **However, these products have no such safety assurances.**



SOLUTION

- To address this problem in the long-term, the United States should **expand and accelerate current research so that every patient who might benefit from CBD can obtain it.**

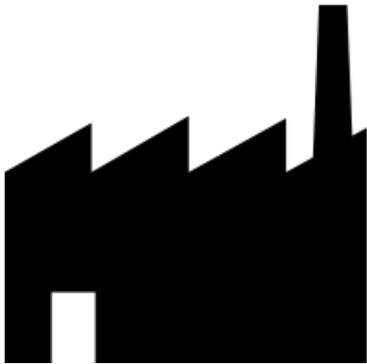
There is no evidence that THC is needed for young patients, and it may harm them

- **No scientific evidence that THC is necessary** to synergize the effects of CBD.
 - Preclinical research that THC may be **pro-convulsant in sensitive brains**
 - Physicians are beginning to report instances of **THC toxicity in children taking “high CBD” preparations**, e.g., high anxiety, increased seizures, insomnia, etc.



Only sophisticated manufacturers can produce CBD in a medically appropriate manner

- “High CBD” plant material usually also **contains THC**, sometimes significant amounts.
- Most **simple extraction processes cannot reliably extract CBD**:
 - **Complex and expensive equipment** is required to remove THC
 - Research demonstrates that, in many cases, **large doses of CBD are needed to achieve a specific therapeutic effect**
 - Accordingly, a child taking a therapeutic dose of CBD (100-1000 milligrams per day) would potentially also be **exposed to a large amount of THC**
 - For example, using a 10:1 preparation, a child who ingests 300 mg of CBD/day **would also ingest 30mg of THC**
 - That is the equivalent of **three of the highest dose (10mg) Marinol capsules, which would make most adult patients intoxicated**
 - A 2:1 or 1:1 plant ratio product would contain **even higher levels of THC**



Medical marijuana laws appear to correlate with increased marijuana use

 Residents of states with medical marijuana laws have **abuse/dependence rates almost twice as high** as states with no such laws

 Among youths age 12 to 17, **marijuana usage rates were higher in states with medical marijuana laws (8.6%)** compared with those without such laws (6.9%)

Although debate continues concerning this correlation, significant evidence exists in its favor

SOME RESEARCH POINTS TO CONNECTION BETWEEN DISPENSARIES AND USE...

- Pacula (RAND) and Sevigny: **Home cultivation and dispensaries are positively associated with marijuana use** and “have important implications for states considering legalization of marijuana.”

...WHILE OTHER STUDIES DID NOT NECESSARILY DETECT A CORRELATION

- Rees/Anderson: **Detected no increase in medical marijuana states**, stimulating a vigorous debate (JPAM)
- *Lancet* study of 24 states using *Monitoring the Future* found:
 - Medical marijuana states had **higher 8th, 10th, and 12th grade use**...but those states did not show an **overall increase in use**
 - In Colorado, however, **increase in use was seen among 10th and 12th graders**

Medical and recreational marijuana laws do not effectively prevent use by minors

- Restriction of legalized medical or recreational marijuana within state/district borders and to those ≥ 21 years old **does not sufficiently safeguard against widespread adverse effects on youth**



- **Youth access to legalized marijuana obtained by adults**, via diversion (*Salomonsen-Sautel et al., 2012*) and accidental ingestion (*Wang et al., 2013*)
- Policy changes and marketing efforts have **effects across ages and across state lines**, with particular impact on youth (*Berg et al., 2015; Richter & Levy, 2014*)

Myth 3: Countless People Are Behind Bars for Smoking Marijuana

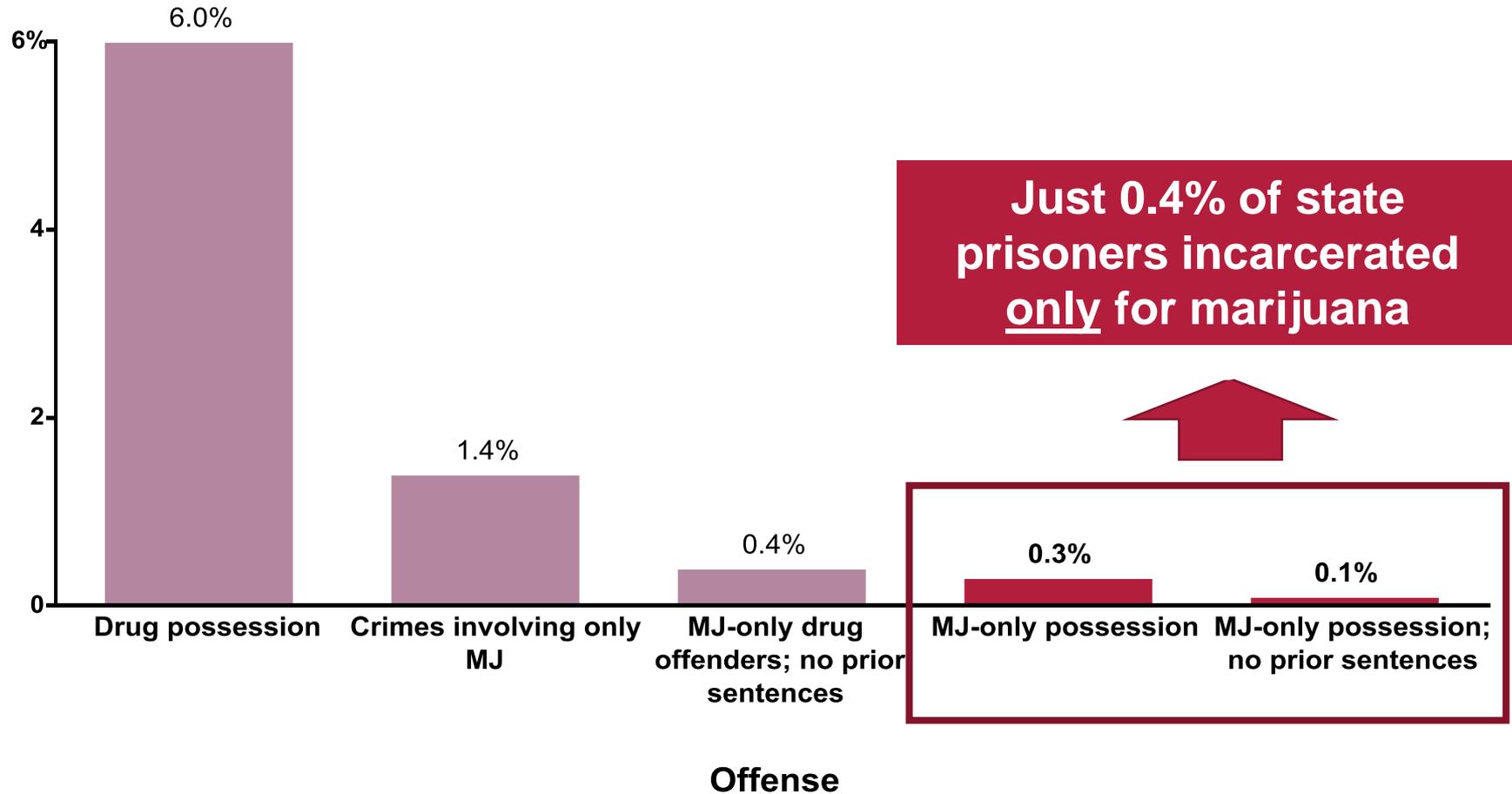
- 1 Marijuana Is Harmless and Non-addictive
- 2 Smoked Marijuana is Medicine
- 3 Countless People Are Behind Bars for Smoking Marijuana**
- 4 The Legality of Alcohol and Tobacco Strengthen the Case for Marijuana Legalization
- 5 Legal Marijuana Will Solve the Government's Budgetary Problems
- 6 Portugal and Holland Provide Successful Examples of Legalization
- 7 Prevention, Intervention, and Treatment are Doomed to Fail – So Why Try?

In reality, very few people are behind bars for marijuana possession

-  Only **0.4% of state prisoners** are in jail for marijuana possession alone
-  **99.8% of Federal prisoners** sentenced for drug offenses were incarcerated for **drug trafficking**
-  The risk of arrest for each joint smoked is **1 for every 12,000 joints**

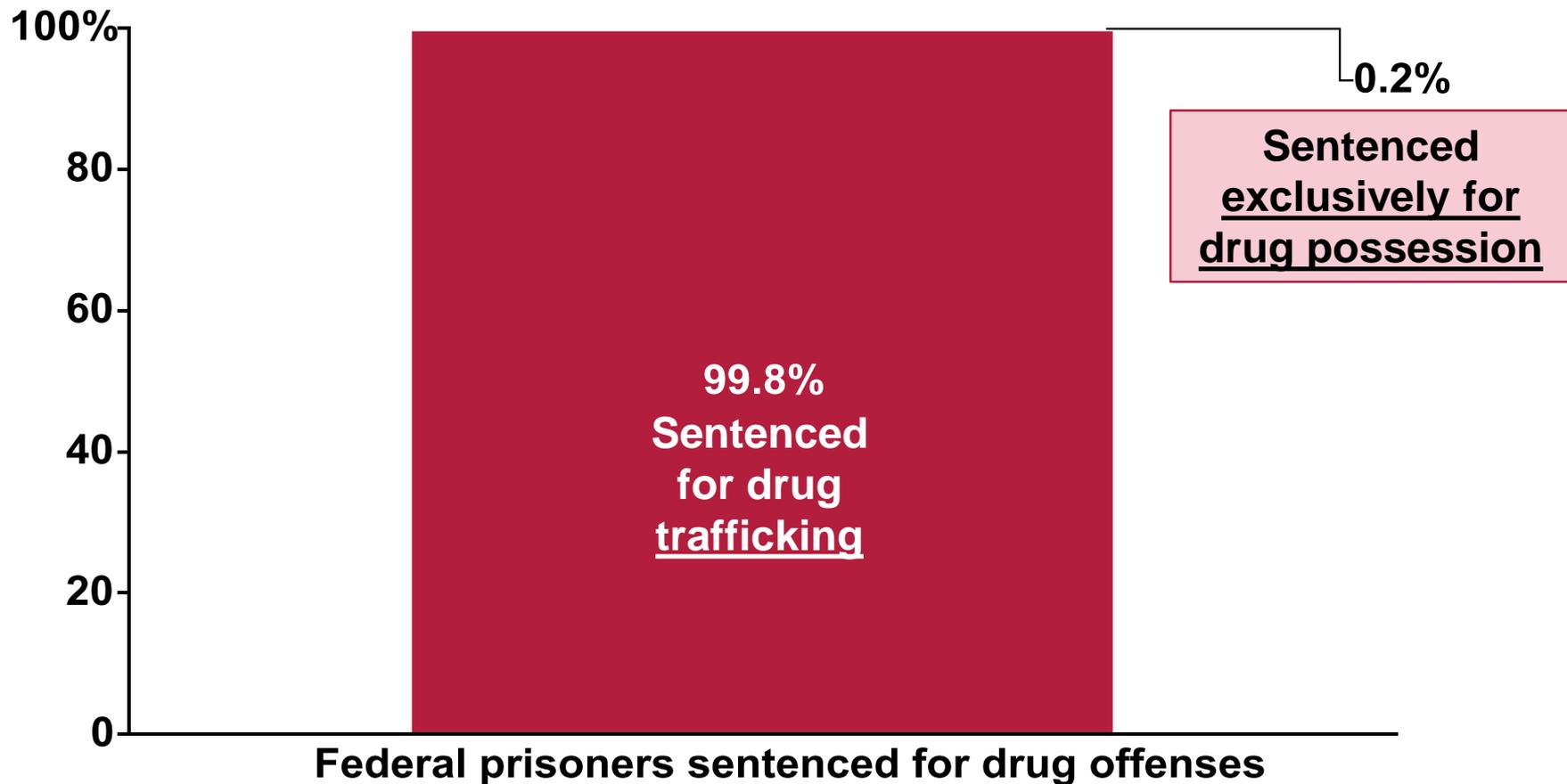
Very few people are incarcerated only for marijuana possession

% of state prison population (2004)



Only 0.02% of all federal prisoners in jail for drug offenses are there exclusively for drug possession

Only a tiny %age of prisoners serve time just for drug possession



Myth 4: The Legality of Alcohol and Tobacco Strengthen the Case for Marijuana Legalization

- 1 Marijuana Is Harmless and Non-addictive
- 2 Smoked Marijuana is Medicine
- 3 Countless People Are Behind Bars for Smoking Marijuana
- 4 The Legality of Alcohol and Tobacco Strengthen the Case for Marijuana Legalization
- 5 Legal Marijuana Will Solve the Government's Budgetary Problems
- 6 Portugal and Holland Provide Successful Examples of Legalization
- 7 Prevention, Intervention, and Treatment are Doomed to Fail – So Why Try?

Alcohol and tobacco are not models for a marijuana industry

- Use levels for alcohol and tobacco are **much higher than that of marijuana**
- Both industries **promote addiction and target kids**

Source: Schiller JS, Lucas JW, Peregoy JA. Summary health statistics for U.S. adults: National Health Interview Survey, 2011. National Center for Health Statistics. Vital Health Stat 10(256). 2012.

Centers for Disease Control and Prevention. Vital Signs: Current Cigarette Smoking Among Adults Aged ≥ 18 Years—United States, 2005–2010. Morbidity and Mortality Weekly Report 2011;60(33):1207–12



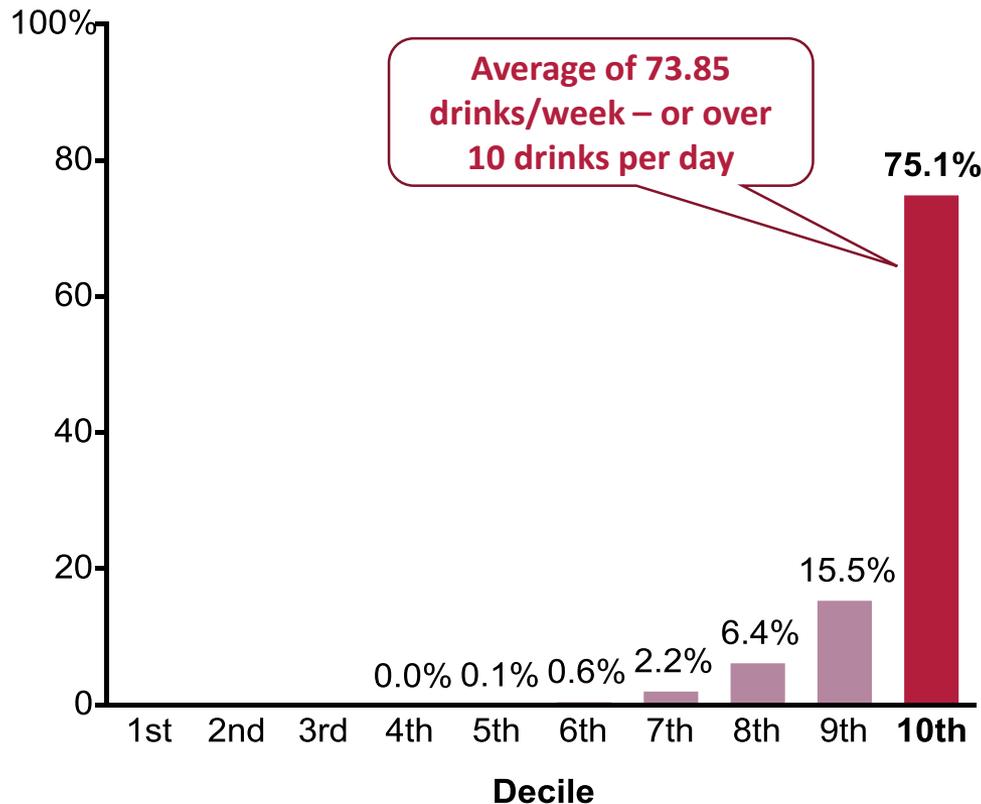
Teens have greater access to alcohol and tobacco than to pot, perhaps due to the latter's illegality

-  **50% and 44% of youth** report that they can obtain alcohol and cigarettes, respectively, within a day.
-  **Youth are least likely to report that they can get marijuana within a day (31%); 45% report that they would be unable to get marijuana at all**

Alcohol companies depend on heavy drinkers to make money

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

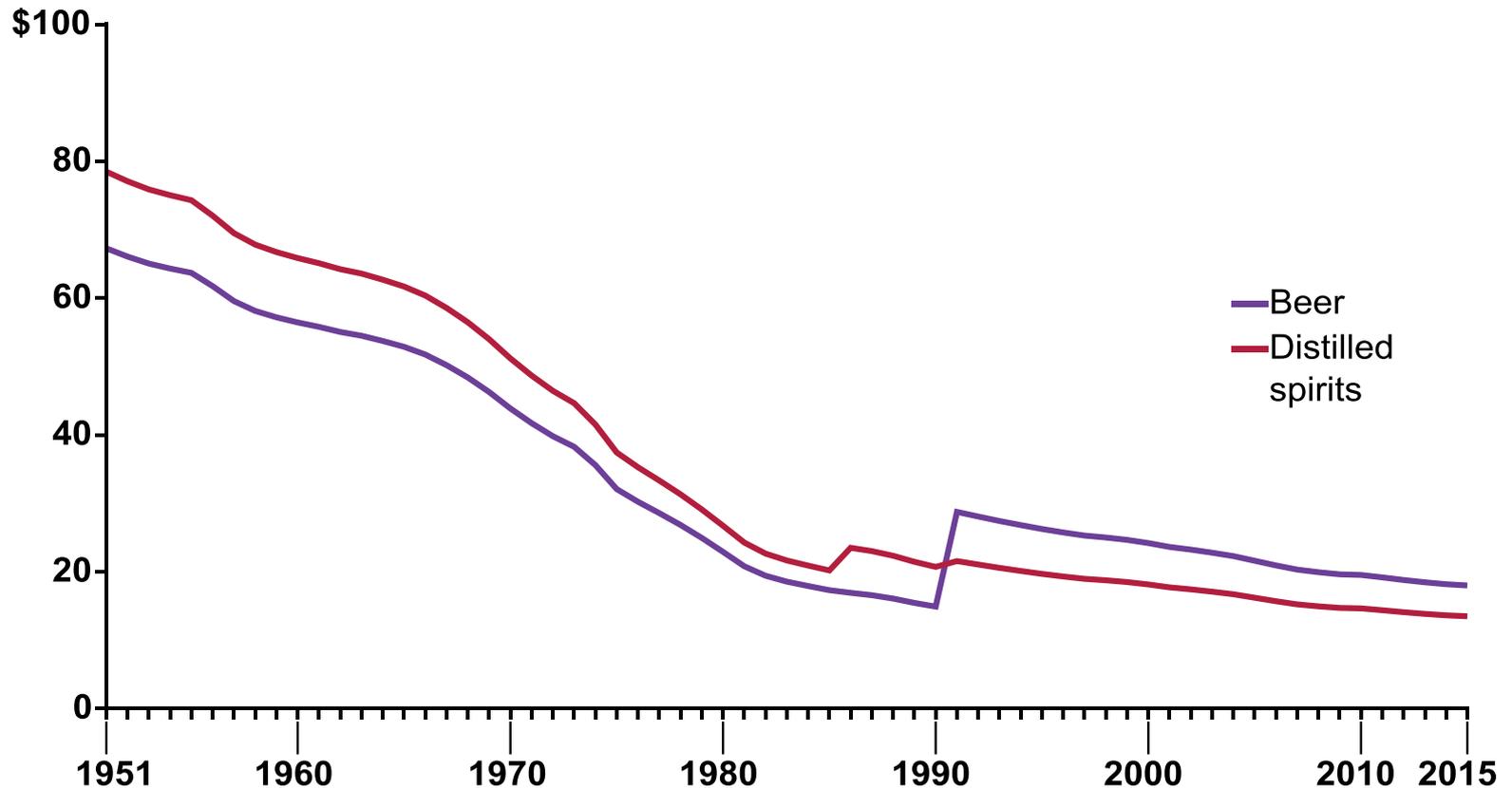
% of total U.S. alcohol consumed



- Belies the slogan “Enjoy Responsibly”
- Would the marijuana industry be any different?

Excise taxes on alcohol have plummeted, falling by up to 80% since the Korean War

Federal excise tax per relevant unit volume (real value in 2015 dollars)



Source: U.S. Department of the Treasury, Alcohol and Tobacco Tax and Trade Bureau
Note: Taxes on wine (up to 14% alcohol per unit volume) are low in absolute terms, but have still fallen over 15% in real terms since 1951

Legalization is unlikely to diminish the power of drug cartels and the black market (1/2)

CARTELS ARE, IN REALITY, DIVERSIFIED BUSINESSES

- “Drug cartels” are **diversified enterprises that include mining and pirated goods**
- Marijuana accounts for **only 15-25% of revenues** of drug trafficking groups
- More money is found in **other businesses, including legal ones**, than in selling marijuana
 - Estimates indicate the Zetas earn **up to 50% of revenues from cigarette smuggling**
 - In 2014, **iron mining was the #1 source of revenue** for the Knights Templar cartel

A HUGE BLACK MARKET EXISTS FOR TOBACCO

- Cigarettes are **the world’s most widely smuggled legal product**
- A **\$657 billion/year business** in 2009
- Provides **funding for organized criminal syndicates and terrorist groups** worldwide
 - In Canada alone, **~105 organized crime groups** are engaged in cigarette smuggling
 - Generates revenue for groups like **the Taliban and Hezbollah**

Legalization is unlikely to diminish the power of drug cartels and the black market (2/2)

-  In a legal market, where drugs are taxed and regulated (for instance to keep THC potency below a certain level or to prevent sale to minors), **the black market has every incentive to remain**
-  Legalizing marijuana would likely **not deter traffickers from continuing to operate**
-  In countries with a weak rule of law, legalization will likely only result in **capture of large portions of the legal market by traffickers**, similar to tobacco



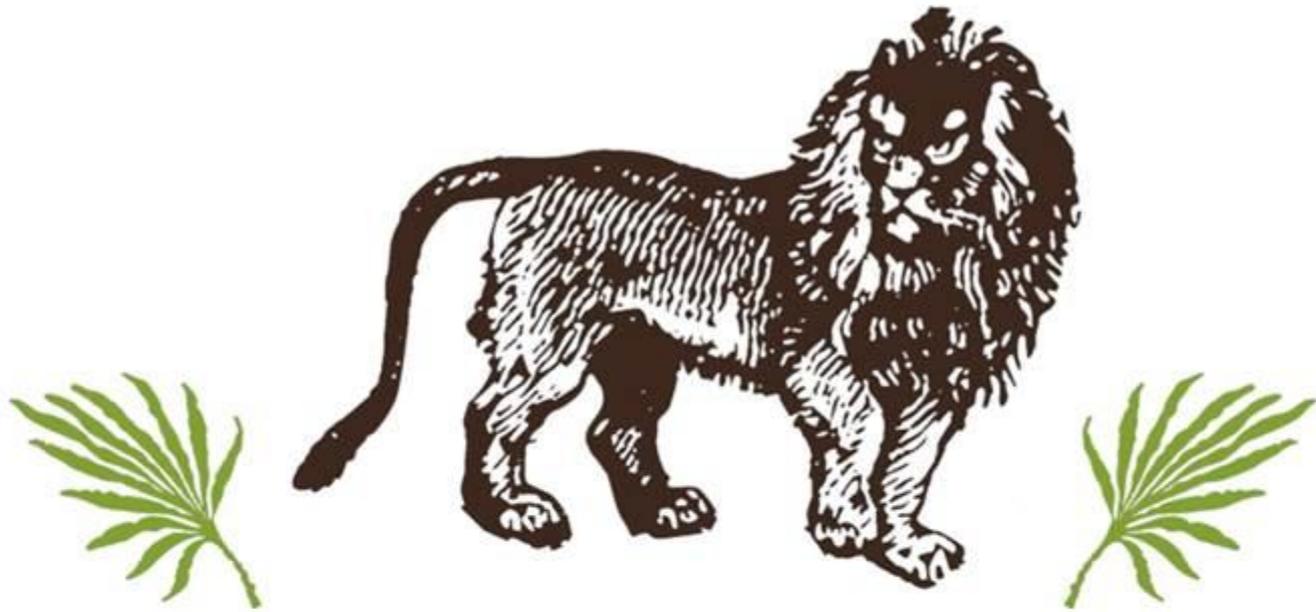
“Big Marijuana”

- Can we trust companies and Big Corporations not to target youth and the vulnerable?

Privateer Holdings

- The first private equity company dedicated to the marijuana industry





MARLEY
Natural

Perception:

Reality:



THE LEGALIZATION OF MARIJUANA means ushering in an entirely new group of corporations whose primary source of revenue is a highly habit-forming product. Sounds a lot like another industry we just put in its place. Many facts are being ignored by this and other news organizations. Go to GrassIsNotGreener.com to see why so many major medical associations oppose marijuana legalization.

GrassIsNotGreener.com

The early days of big tobacco

Dr. Batty's
For Your Health
ASTHMA CIGARETTES
 SINCE 1902
For the temporary relief of
paroxysms of asthma
 EFFECTIVELY TREATS:
 ASTHMA, HAY FEVER, FOUL BREATH,
 ALL DISEASES OF THE THROAT,
 HEAD COLDS, CANKER SORES,
 BRONCHIAL IRRITATIONS
NOT RECOMMENDED FOR CHILDREN UNDER 6.

According to repeated nationwide surveys,

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

Doctors in every branch of medicine were asked, "What cigarette do you smoke?" The brand named most was Camel!

You'll understand why this is the case when you know that Camels have only mild nicotine, just what you need to relax and soothe your throat and clear your lungs. And you'll understand why you should smoke Camels when you know that they are the only cigarette that has been tested and found to be the most palatable cigarette in the world!

THE DOCTORS' CHOICE IS AMERICA'S CHOICE!

For 30 days, test Camels in your "P-Zone" (P for Pleasure, P for Peace, P for Taste).

Viceroy
FILTER
the Smoke!

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

**NOW...Scientific Evidence
 on Effects of Smoking!**

A scientific research team consisting of a group of people from various walks of life, 43 percent of this group have smoked Chesterfield for an average of over ten years.

After ten months, the scientific specialists reported that the physical and adverse effects on the nose, throat and lungs of the group had smoking Chesterfield.

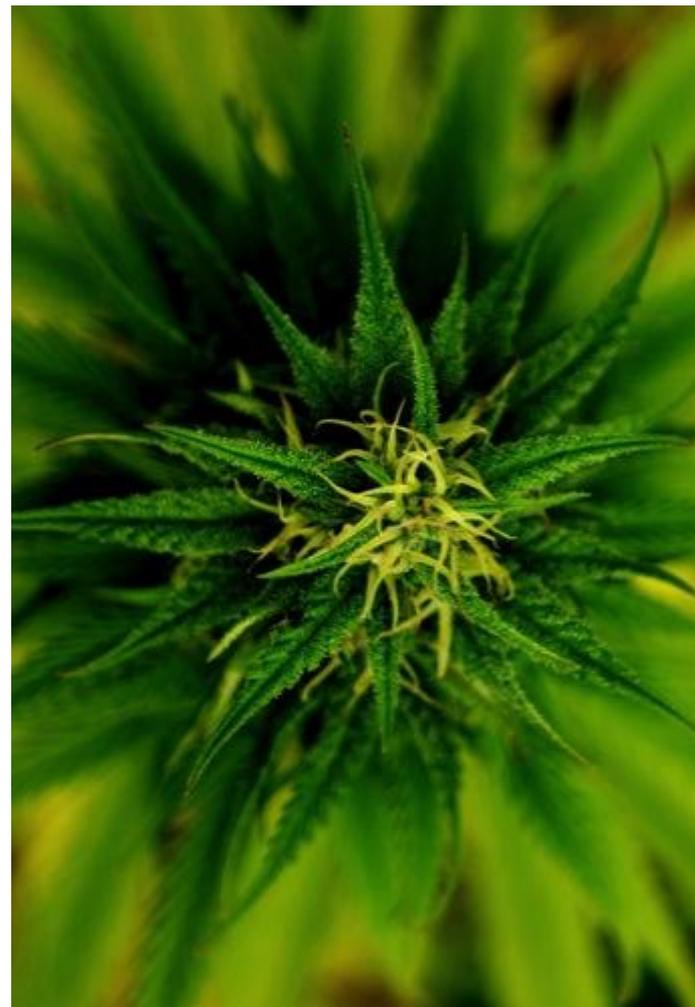
**MUCH Milder
 CHESTERFIELD
 IS BEST FOR YOU**

**First and Only Premium Quality
 Cigarette in Both Regular and
 King-Size**

“Big Marijuana”: a \$10 billion/year dream for the tobacco industry since the 1970s

“The use of marijuana ... has important implications for the tobacco industry in terms of an alternative product line. [We] have the land to grow it, the machines to roll it and package it, the distribution to market it. In fact, some firms have registered trademarks, which are taken directly from marijuana street jargon. These trade names are used currently on little-known legal products, but could be switched if and when marijuana is legalized. Estimates indicate that the market in legalized marijuana might be as high as \$10 billion annually.”

- 1970s report commissioned by cigarette manufacturer Brown and Williamson (now merged with R.J. Reynolds)



DRAFT**I. THE IMPORTANCE OF YOUNGER ADULTS**

Within five years, younger adults (18-24) will drop from 18% to 15% of the total adult population (18+). They will continue to decline in numbers until at least 1995, as the crest of the Baby Bubble pushes farther past age 25.

This shift in the population will cause smokers aged 18-24 to fall from 16% to 14% of all smokers by 1988. Even 13% would not be surprising, since smoking incidence has been declining more rapidly among younger adults than any other age group in recent years (see Appendix A).

Why, then, are younger adult smokers important to RJR?

Why, then, are younger adult smokers important to RJR?

1. VOLUME

Younger adults are the only source of replacement smokers. Repeated government studies (Appendix B) have shown that:

- Less than one-third of smokers (31%) start after age 18.
- Only 5% of smokers start after age 24.

introduction, with no cannibalization and no development/introductory costs.

As a company, Philip Morris held more than 60% of these 18-year-olds in 1983 versus RJR's 15-20%, yielding PM a .5 point in-going SOM advantage due only to "new" smokers.

* This assumes 18-year-olds are 10% of the 18-24 group rather than a "fair share" of 14% because of population decline and the fact that some smokers start after age 18.

STATEMENT OF DAVID GOERLITZ
Former Model for Winston Cigarettes

BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION AND HAZARDOUS MATERIALS
OF THE
HOUSE COMMITTEE ON ENERGY AND COMMERCE

of the models who appeared in the
even smokers. One of them, in fact,

Of course, children aren't the only targets of the tobacco industry. Once, when I asked an R.J. Reynolds executive why he and his colleagues didn't smoke, he responded point-blank that "We don't smoke the sh--, we just sell it . . . We reserve that 'right' for the young, the poor, the black and the stupid."

PROJECT:

Youth Cigarette - New concepts

PROJECT:

Youth Cigarette - New concepts

MARKETING INNOVATIONS' SUGGESTIONS:

APPLE FLAVOR

Apples connote goodness and freshness and we see many possibilities for our youth-oriented cigarette with this flavor. Apple cider is also a possibility.

SWEET FLAVOR CIGARETTE

We believe that there are pipe tobaccos that have a sweet aromatic taste. It's a well known fact that teenagers like sweet products. Honey might be considered.

SWEET FLAVOR CIGARETTE

We believe that there are pipe tobaccos that have a sweet aromatic taste. It's a well known fact that teenagers like sweet products. Honey might be considered.

Pot is now funding presidential politics

Formerly MMJ Business Daily

[Contact Us](#) [Editorial Info](#) [About Us](#) [Advertising](#)



Marijuana Business Daily™

The most trusted cannabusiness news source since 2011

Search

Go

[Daily News](#)

[News by Topic](#) ▾

[News by State](#)

[Industry Directory](#)

[Vegas Conference](#)

[Factbook & How-to Books](#) ▾

[Print Magazine](#)

[Home](#) > [Briefs](#) > [Rand Paul Brings in ...](#)

June 30, 2015

Rand Paul Brings in Six Figures at MJ Industry Fundraiser

Tags: [rand paul](#)



Republican presidential candidate Rand Paul made a splash in Denver on Tuesday, raising an estimated minimum of \$120,000 in a closed-door private fundraising event at the National Cannabis Industry Association's Cannabis Business Summit.

The total amount raised puts him firmly in the top tier of public officials who have raised campaign funds from the cannabis industry.

There was no immediate word from the Paul campaign on how much was actually raised at the event, and the total could easily top *Marijuana Business Daily's* estimate. Attendees reported about 40 individuals took part in the event, paying a minimum of \$2,700 apiece. In addition, the Marijuana Policy Project provided a \$15,000 donation.

Briefs

[Rand Paul Brings in Six Figures at MJ Industry Fundraiser](#)



Republican presidential candidate Rand Paul made a splash in Denver on Tuesday, raising an estimated [click to](#)

[continue...](#)

[Hawaii Bill Establishing Dispensaries Likely to Become Law](#)

Dispensaries could be open in Hawaii in just over a year, as a bill establishing [click to continue...](#)

[Second MMJ Bill Introduced in Pennsylvania Legislature](#)

In an attempt to get around obstructionists in the state House of

FREE DAILY!
Sign up here:



Enter email address

YES!

We value your [Privacy](#)

Marijuana Business Factbook 2015

FREE SHIPPING

100% Revised & Expanded 3rd Edition

100% Revised 154+ New Charts

200+ Pages containing:

- National MJ Industry Facts & Figures
- Niche-By-Niche Financials
- State-By-State Profiles plus Canada

Discount Code: FREESHIP

Myth 5: Legal Marijuana Will Solve the Government's Budgetary Problems

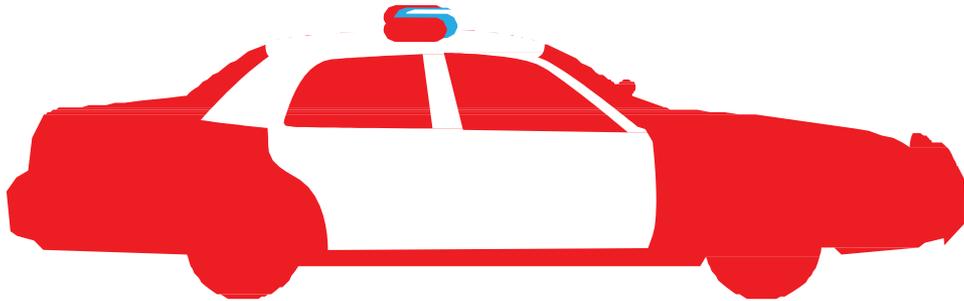
- 1 Marijuana Is Harmless and Non-addictive
- 2 Smoked Marijuana is Medicine
- 3 Countless People Are Behind Bars for Smoking Marijuana
- 4 The Legality of Alcohol and Tobacco Strengthen the Case for Marijuana Legalization
- 5 Legal Marijuana Will Solve the Government's Budgetary Problems
- 6 Portugal and Holland Provide Successful Examples of Legalization
- 7 Prevention, Intervention, and Treatment are Doomed to Fail – So Why Try?



Will legalization solve budgetary problems?

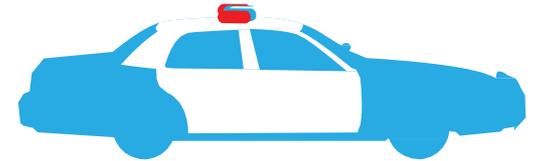
- Few people are currently in jail for smoking marijuana
- What are the costs from regulation and arrests?

“If only we treated it like alcohol...”



2.7 million

Arrests for alcohol-related crimes in 2008, including violations of liquor laws and DUI – **but does NOT include arrests for alcohol-related violence**



vs.

847,000

Marijuana-related arrests in 2008

Revenue streams already disappoint

The screenshot shows the top portion of a New York Times article. At the top left, there are navigation links for 'SECTIONS', 'HOME', and 'SEARCH'. The New York Times logo is on the top right. Below the navigation is the 'TheUpshot' logo. The article is categorized under 'REVENUE DISAPPOINTMENT'. The main headline is 'Marijuana Taxes Won't Save State Budgets', dated 'APRIL 9, 2015'. On the left side, there are social sharing options: Email, Share (Facebook), Tweet, Save, and More. The main text of the article begins with 'Colorado's marijuana tax collections are not as high as expected.' and continues with 'In February 2014, Gov. John Hickenlooper's office projected Colorado would take in \$118 million in taxes on recreational marijuana in its first full year after legalization. With seven months of revenue data in, his office has cut that projection and believes it will collect just \$69 million through the end of the fiscal year in June, a miss of 42 percent.' The final paragraph states 'That figure is consequential in two ways. First, it's a wide miss. Second, compared with Colorado's all-funds budget of \$27 billion, neither \$69 million nor \$118 million is a large number.'

SECTIONS HOME SEARCH

The New York Times

TheUpshot

REVENUE DISAPPOINTMENT

Marijuana Taxes Won't Save State Budgets

APRIL 9, 2015

Email

Share

Tweet

Save

More

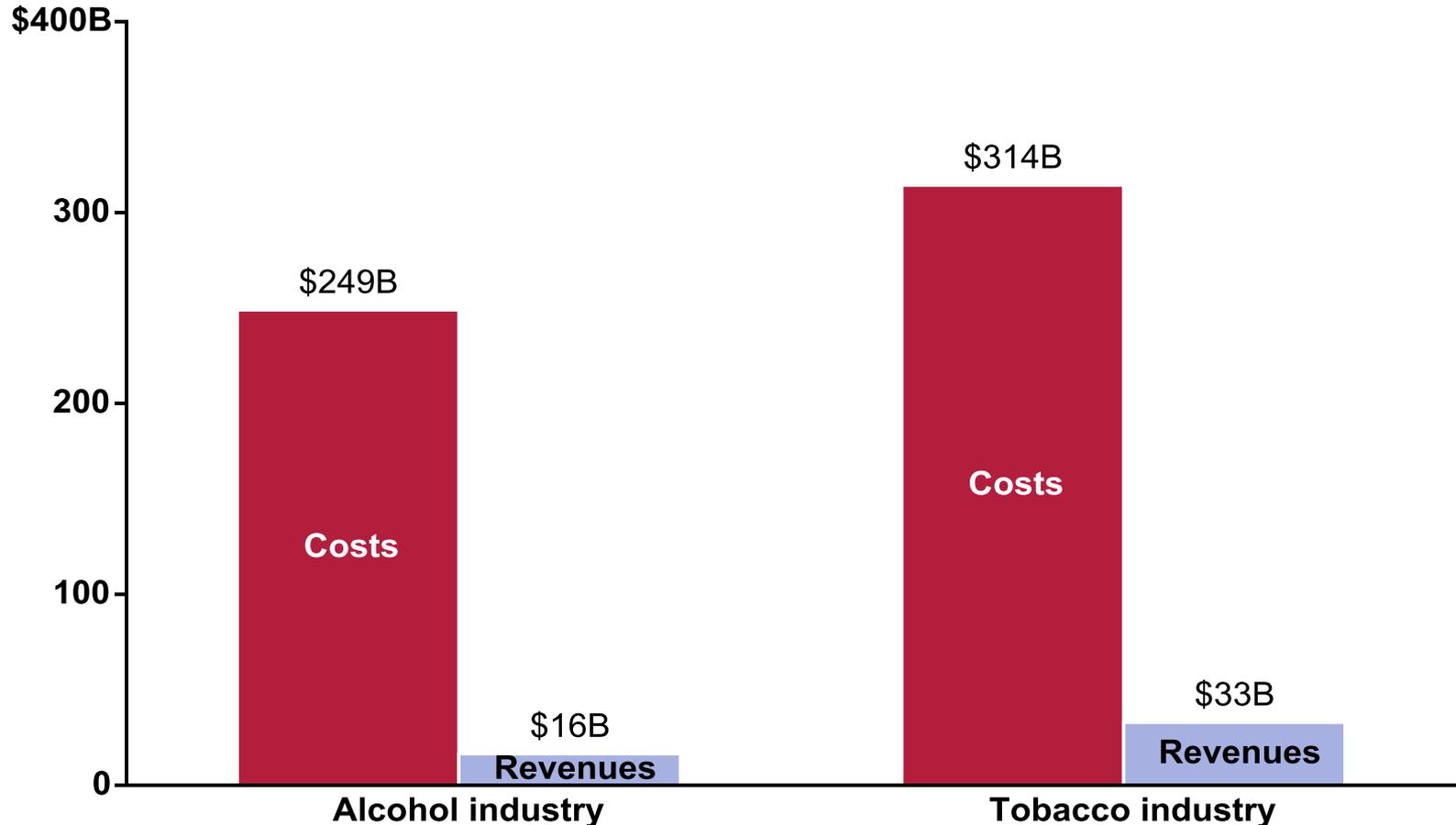
Colorado's marijuana tax collections are not as high as expected.

In February 2014, Gov. John Hickenlooper's office projected Colorado would take in \$118 million in taxes on recreational marijuana in its first full year after legalization. With seven months of revenue data in, his office has cut that projection and believes it will collect just \$69 million through the end of the fiscal year in June, a miss of 42 percent.

That figure is consequential in two ways. First, it's a wide miss. Second, compared with Colorado's all-funds budget of \$27 billion, neither \$69 million nor \$118 million is a large number.

Alcohol and tobacco are money-drainers, not money-makers

Billions of U.S. dollars (indexed to 2012 values)



Myth 6: Portugal and Holland Provide Successful Examples of Legalization

- 1 Marijuana Is Harmless and Non-addictive
- 2 Smoked Marijuana is Medicine
- 3 Countless People Are Behind Bars for Smoking Marijuana
- 4 The Legality of Alcohol and Tobacco Strengthen the Case for Marijuana Legalization
- 5 Legal Marijuana Will Solve the Government's Budgetary Problems
- 6 Portugal and Holland Provide Successful Examples of Legalization
- 7 Prevention, Intervention, and Treatment are Doomed to Fail – So Why Try?

Reality: Neither Holland nor Portugal have legalized ANY drug



Moreover, the track record of modern drug policy in Europe is mixed at best

-  The Dutch experienced a **three-fold increase in marijuana use among young adults** after pot commercialization expanded
-  Use rates in the Netherlands, Portugal, and Italy in the last 10 years are **lower for some drugs and higher for others**

Portuguese policy: similar to drug courts

- In 2001, Portugal changed policy to send users with small amounts of drugs to “dissuasion panels” – social worker panels who refer individuals to treatment, administer fine, etc.
- Portugal also implemented robust treatment plan



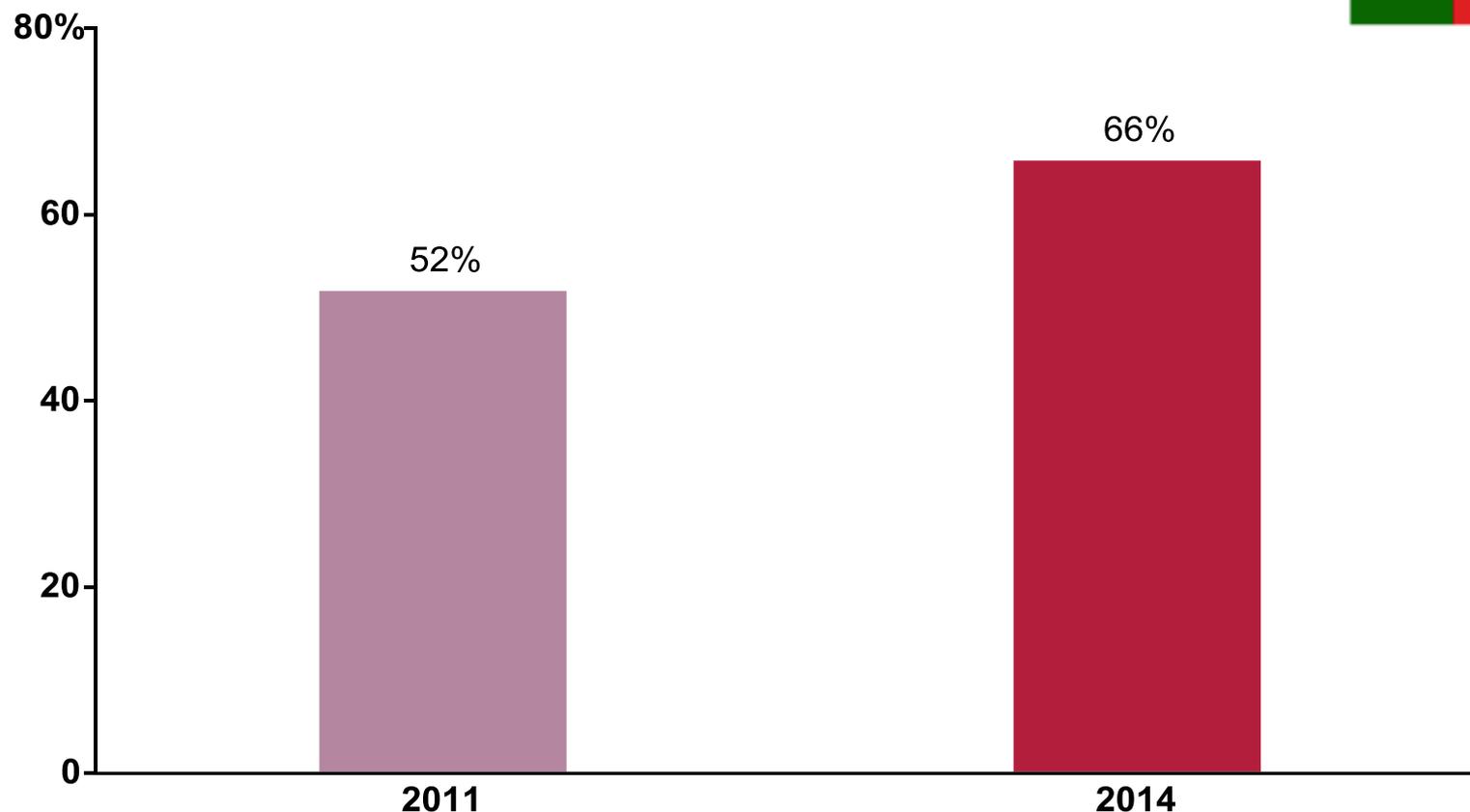
Portuguese results are mixed

- Youth drug use has increased since 2001
- Deaths from drug use have gone down
- The impact of the policy unclear, despite extreme rhetoric



Opposition to legalization among Portuguese youth has grown significantly since 2011

% of Portuguese youth (15-24 years old) opposed to marijuana legalization





Dutch policy: non-enforcement

- The Dutch established the Non-enforcement Policy in 1976 and saw the birth of “Coffee Shops”



Dutch results are also mixed

- Experienced a **three-fold increase in marijuana use** among young adults
- Before non-enforcement, **the Dutch had lower rates of drug use than the U.S.**
 - Now, it is the **#1 country in Europe with need for marijuana treatment**
- Now **scaling back policy**
 - Coffee shops closing
 - Cannot sell to non-residents

What about decriminalization?

- Too broad a term - it could mean anything from a simple fine to a more rigorous policy.
- It is important to understand that removing all sanctions for drug use and any accountability is not in the spirit of a pro-health drug policy.
- Indeed, drug treatment courts show that employing sanctions is an important element to motivate users to enter and complete treatment.
- How law is structured makes a difference.

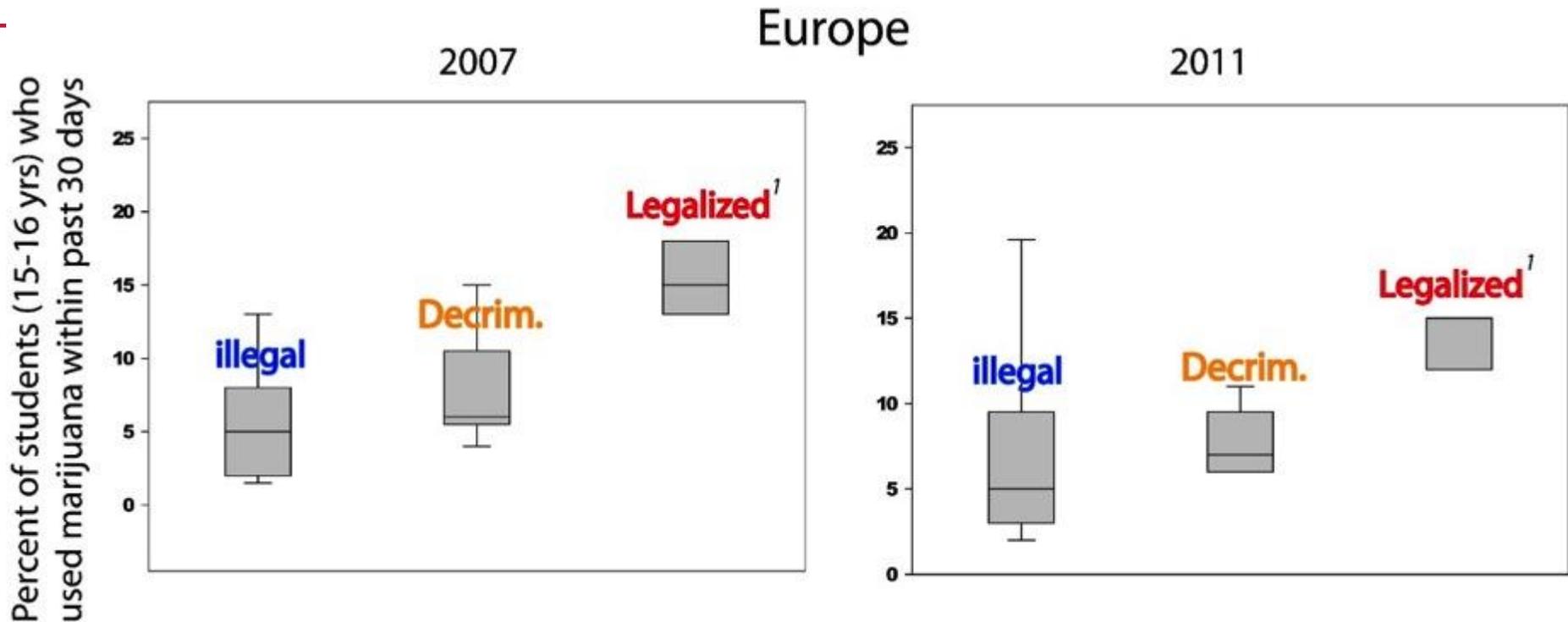
Evidence on decriminalization

Countries with decriminalization lie midway between countries where it remains illegal and those with *defacto* legalization (The Netherlands, Czechoslovakia, Italy and Spain - note that of those countries, only The Netherlands allows storefront sales).

But even the nuances of how decriminalization laws are structured appear to have an impact on youth use.

US has varied laws

Countries that legalized marijuana have very high median rates of youth use, among the highest in Europe (*significant, $p = 0.002$ in 2007; trend, $p = 0.075$ in 2011*)

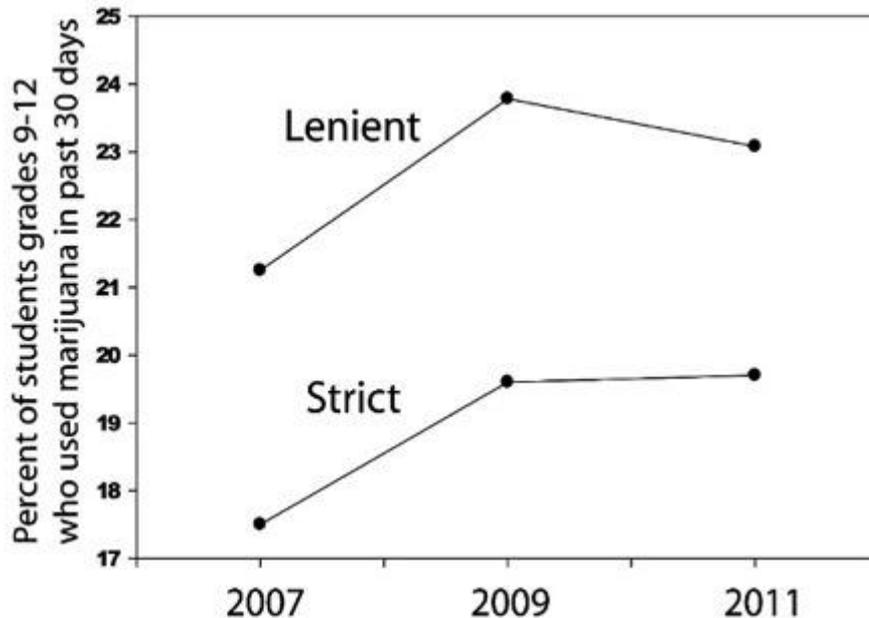


Consumption data from: The 2007 and 2011 ESPAD Report
Substance Use Among Students
in 36 European Countries; not all
countries available for both years

¹ These countries have either legalized for possession, legalized growth for personal use/consumption in the home or have defacto-legalization (e.g. Netherlands) where police and prosecutors are instructed not to apprehend/prosecute in certain venues. (EMCDDA-<http://www.emcdda.europa.eu>)

How Decriminalization is Structured Makes a Difference

States with lenient decriminalization laws have higher rates of youth use* than states where decriminalization is structured to discourage use (p=0.004)



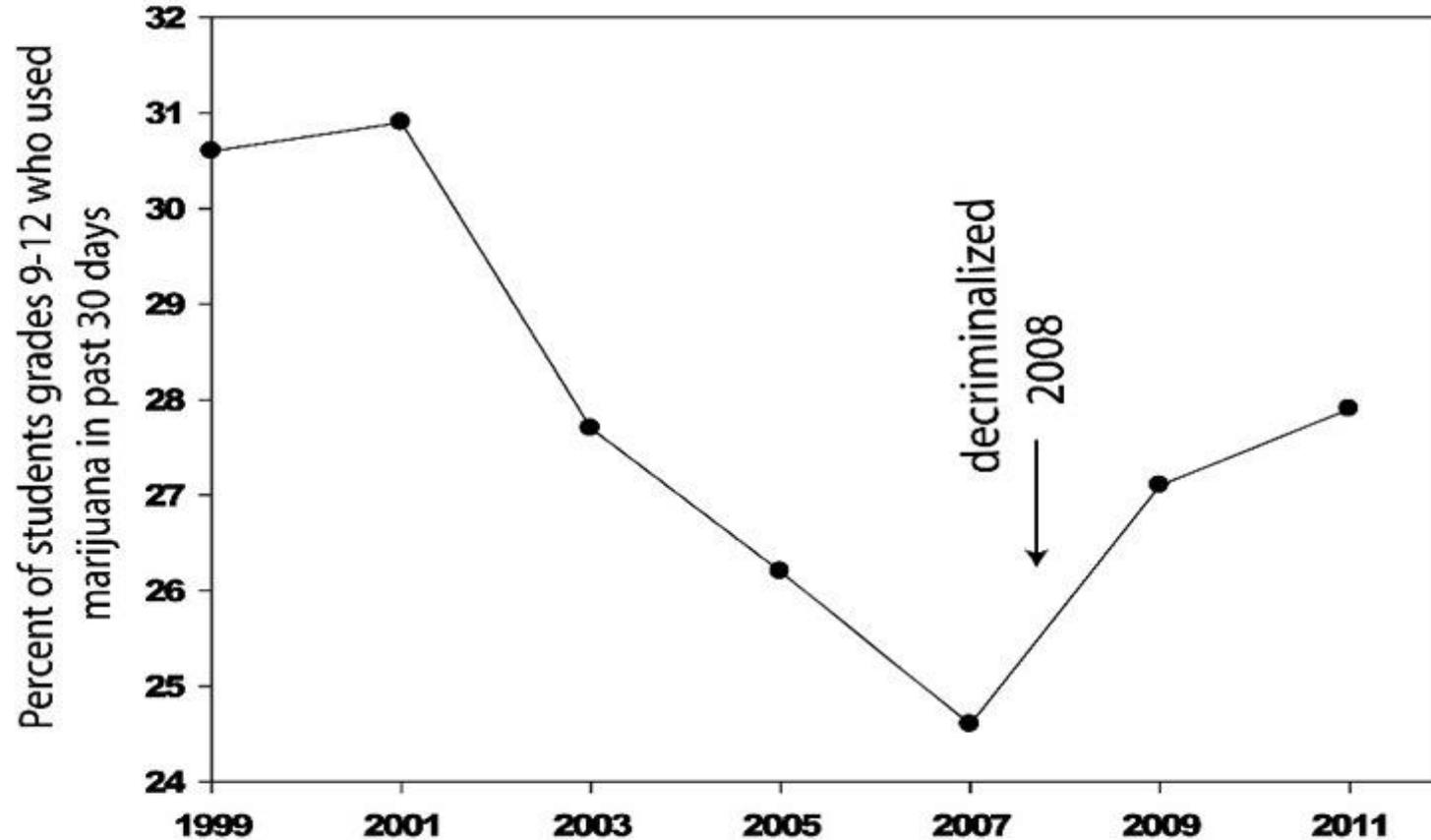
Lenient = no graduated penalties for repeat offenders, no drug education requirement, no community service.

Strict = no jail time for 1st offense but may be a misdemeanor that can be removed from record; or graduated penalties for repeat offenders that may eventually involve jail time and criminal charges; or may have a clause that makes 1st offense more serious: in public view (NY) or in auto passenger compartment (MS).

*Data on youth use derived from:
 CDC Morbidity and Mortality Weekly Report,
 Youth Risk Behavior Surveillance - United States,
 2007,2009,2011. Data for 2013 due out in June,
 2014. CA and OR (lenient decrim) did not submit
 data to the CDC.

| | 2007 | 2009 | 2011 |
|---------------------|--------------------------|--------------------------|--------------------------|
| Lenient decrim laws | AK, CO, ME | AK, CO, ME, MA | AK, CO, ME, MA |
| Strict decrim laws | NC, OH, NE NY, MS, NV | NC, OH, NE NY, MS, NV | NC, OH, NE NY, MS, NV |

Massachusetts



Massachusetts decriminalization code: 1 oz (~30 g) or less is a civil fine of \$100. *No increase in penalty for repeat offenses, no requirement for drug education or treatment, no stipulation about carrying in passenger compartment of auto.*

Myth 7: Prevention, Intervention, and Treatment are Doomed to Fail – So Why Try?

- 1 Marijuana Is Harmless and Non-addictive
- 2 Smoked Marijuana is Medicine
- 3 Countless People Are Behind Bars for Smoking Marijuana
- 4 The Legality of Alcohol and Tobacco Strengthen the Case for Marijuana Legalization
- 5 Legal Marijuana Will Solve the Government's Budgetary Problems
- 6 Portugal and Holland Provide Successful Examples of Legalization
- 7 Prevention, Intervention, and Treatment are Doomed to Fail – So Why Try?**



Colorado and Washington

Colorado didn't legalize pot overnight



Denver legalizes possession

700 stores
3.5% adults have MMJ license

Recreational stores open



2001

2005

2007-8

2009

2012

2014

Medical marijuana permitted

1st marijuana stores

Legalized

Marijuana edible displays



Edibles: a clear and present danger to Colorado's children



Doctors at the UCH and Children's Hospital Colorado emergency departments **identified edible marijuana as the culprit behind the most troubling cases** there, including severe burns and cycling vomiting syndrome.



FOLLOW THE CANNABIST



FIND A STORE NEAR YOU



By Town

By Zip Code

RECREATIONAL SHOPS | MEDICAL DISPENSARIES
SELL MARIJUANA? GET YOUR STORE LISTED HERE.

nugtella



Hazelnut spread with
Medical Marijuana

Mind • Body • Spirit
WELLNESS CLINIC
mbswellnessclinic.com • OPEN 7 days a week • ATM on site

**STOP BY ON YOUR WAY UP
THE MOUNTAIN FOR ALL YOUR
RECREATIONAL NEEDS!**

SHOW YOUR SKI PASS AND RECEIVE
A \$1.00 JOINT
WITH PURCHASE!

Vaporizing industries: Nicotine and Marijuana



Pax by Ploom:

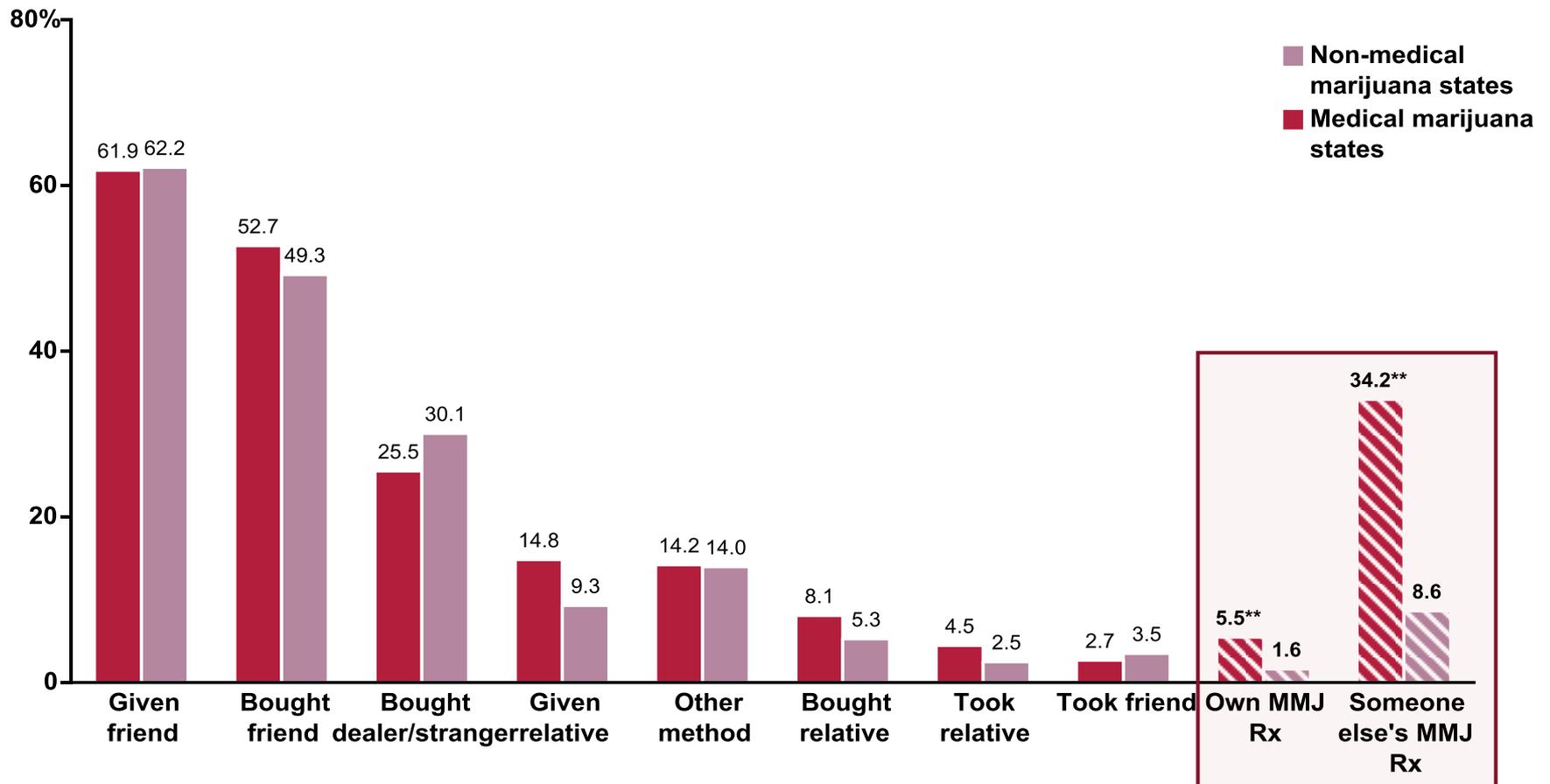
- Japan Tobacco International (JTI) is the **third largest international tobacco company**, behind Philip Morris International.
- In 2011, JTI bought a portion of Ploom – a Silicon Valley-based startup that produces a loose-leaf vaporizer that **can be used to inhale heated vapor from marijuana as well as tobacco**, called the Pax.



Medical marijuana programs expand minor's access to the drug

Source of Marijuana* among 12th Graders in 2012 and 2013, by State Policy

*Sources are not mutually exclusive



** Statistically significant difference



Facebook.com/DenverTos...
Saving you up to



Open VAPE
PRESENTS

INKMONSTR
POOLSIDE

SUMMER SERIES 2014

@ EXDO

21+

CANNABIS DISPENSARY
MERCY CHAIRMAN

The Grass Station
21+

325 ELATI STREET DENVER, CO 80216 | GRASSSTATIONCO.COM

**EXPERIENCE THE DIFFERENCE
HONORING ALL COMPETITOR'S
COUPONS FOR THE MONTH
OF FEBRUARY.**

STOP IN FOR DETAILS-OFFER EXPIRES ON 2/28/15

CAN I BE BLUNT?



**BRING IN YOUR EMPTY CAN OF PINNER OR RECEIPT
And get a JOINT for a PENNY!**

with any cannabis purchase. Expires 3/18/15.

FREE DAB
EXP 10/8/14 LIMIT 1 PER CUSTOMER
NO PURCHASE NECESSARY

BOGO FREE WHIP-ITS
EXP 10/8/14 LIMIT 1 PER CUSTOMER

BOGO ON ALL DAB RIGS AND PIPES
(EQUAL OR LESSER VALUE) EXP 10/8/14
LIMIT 1 PER CUSTOMER

1505 W. COLFAX AVE. (COLFAX & SIMMS)
11AM-9PM DAILY • 720-638-5233

OPEN M-F: 11A-7P & SAT: 12P-5P

MAHATMA
CONCENTRATES EST. 2012

2 for \$45

While supplies last.

\$20 1/8th

Select Strains



Download our app for great deals and a

FREE GRAM

\$125 Oz

Select Strains

While supplies last.

First Time Patients

Buy 1 Gram

Get One FREE

New Patient Special \$140 OZ Any Strain

GREENFIELDS

1798 West Mississippi Ave. Denver, CO 80223



INNOVATIVE ORGANICS

Live By the Seed of Your Plants

BOOST YOUR
THC WITH
FREE VERMI

BUY 2 GAL
GET ONE F

*Our products are lab tested and have double the potency of
We are locally owned, fully organic.*

DENVER BUSINESS • 800.508.1856 • LIVEBYTHESEEDOFYOURPL

Find your happy strain.

10% OFF EDIBLES ON TASTY TUESDAYS & THIRSTY THURSDAYS!

We've gathered the best edibles to discount for Tasty Tuesdays and Thirsty Thursdays. Get 10% OFF select in-stock edibles on Tuesdays and all in-Stock Dixie Elders on Thursdays.

10% OFF
SELECT EDIBLES
TASTY TUESDAYS
THIRSTY THURSDAYS

TERRAPIN
CARE STATION

RECREATIONAL: 1795 Folsom St., Boulder, CO 80302 • (303) 954-8402 • MEDICAL: 5370 Manhattan Cir. #104, Boulder, CO 80501

Visit www.terrapincarestation.com/happystrain for details.

Offer valid on SELECT IN-STOCK EDIBLES on Tuesdays and IN-STOCK DIXIE ELDERS on Thursdays while supplies last or until 10/31/17. Recreational location, open to everyone age 21 or older with a valid, government issued photo ID. Not applicable with other cover discounts. Manhattan location is medical and open to CO MMJ patients with valid Rec Card only.

Hampden Sun 10 am to 6 pm

DEN-REC

DENVER RECREATIONAL DISPENSARY

RECREATIONAL
\$60* 1/4 OUNCE

RECREATIONAL
\$199* OUNCES

*PLUS TAX

MON-SUN 10AM-7PM 303-296-2093
2117 LARIMER STREET • DENVER, CO 80205
DENVERSBESTDISPENSARY.COM

THE FINEST QUALITY

Buddy Boy
BRANDS

www.BuddyBoyBrands.com

MJARDIN **NOW \$99**
PREMIUM CANNABIS



THE ORIGINAL™
ELECTRONIC E-CIGAR

Powered By
MAHATMA

Extended plant count available with paperwork!

777 Umatilla St: (303) 893-9333 · 3814 Walnut St: (303) 308-0420
4012 W. 38th Ave: (720) 328-9971 · 5050 York St: (303) 292-3383
448 S. Federal Blvd: (303) 440-1111



FINALLY A
VAPE STICK THAT IS
SOPHISTICATED
ENOUGH TO BE A
Holiday Gift.

**ODORLESS.
FULLY-CHARGED.
DISPOSABLE.**



Y5R

LIFE WITHOUT RESTRICTIONS

Y5RX.COM

USE CODE "CM5" FOR \$5 OFF
HOLIDAY SPECIAL



purchase tickets at eventbrite.com
search for [blank] about winter

...LIVE
...Commemorative t-shirt mug
...Over 30 varieties of red & white wine samplers
...A \$10 GIFT coupon
(Proceeds will go to improvements for
Whistletop Park and the new Children's Pl...

WHAT, ME WORRY?

NO, I got karing kind



Even though our industry is new, we'll be around a long while. We take the time to offer the very best service—whether you need 5 minutes or 50, our Karing Budtenders are the most helpful in the industry. And since we own our facility, we grow our buds exactly the way we want: without chemicals.

- Edibles
- Tinctures
- Concentrates
- Shatter & Wax
- Accessories



\$90 1/2 OZ
\$180 1 OZ
...all organic strains

IT'S ALWAYS BEEN NATURAL & ORGANIC WE'RE MAKING SURE IT STAYS THAT WAY

infused green crack // \$9 (1 g)
Our House bud is even more special with an infusion of Co2 Hash oil and kief.



bho shatter/wax // \$40 (1 g)
Assorted wax hash. Great for dabbing, smoking and vaporizing



suck it // \$18
Hard candy paired with fine essential oils to create a truly delicious cannabis infused treat

KaringKind.com | 303-449-WEED (9333) | 5854 Rawhide Ct, Suite C, Boulder



**WHEN IT COMES TO OUR STRAINS,
WE DON'T MESS AROUND.**

EXPERIENCE AWARD-WINNING STRAINS & PATIENT-CENTERED SERVICE AT DENVER'S OLDEST DISPENSARY. OPEN FOR MEDICAL AND RECREATIONAL USE AT 1 BROADWAY, DENVER

FIRST TIME PATIENTS AND CUSTOMERS: TAKE 25% OFF YOUR FIRST PURCHASE AT DENVER RELIEF, JUST SAY YOU SAW IT IN OUT FRONT

DOES NOT COMBINE WITH OTHER OFFERS. GOOD UNTIL MARCH 31, 2018

+ Denver Relief
303.420.MEDS
www.DenverRelief.com



4495 N. Washington St. Denver CO | (303) 297-1702 | NG



NEW PRICING

| | GRAM | EIGHTH |
|-----------------|------|--------|
| Special | \$9 | \$25 |
| Top Shelf | \$12 | \$35 |
| Connisour | \$14 | \$40 |
| Private Reserve | \$15 | \$50 |

15% OFF

LIFT TICKET SPECIAL
15% off your purchase

\$200 OZ. Special
Amnesia Haze/G13, Tora
*while supplies last

DENVER'S *First & Only* SNOWBOARD THEMED

RECREATIONAL DISPENSARY

4495 N. Washington St. Denver CO

SNOWBOARD GIVEAWAY

One of a kind Shatter Board

* Spend \$100 before tax at Generation Health Dispensary at 4495 N. Washington Street before March 31st and be entered to win a custom designed snowboard.

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 KUDU \$110

\$15-1/8TH

1/8 OZ \$15

WHILE SUPPLIES LAST



CHERNOYBL

1/8 \$25

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)



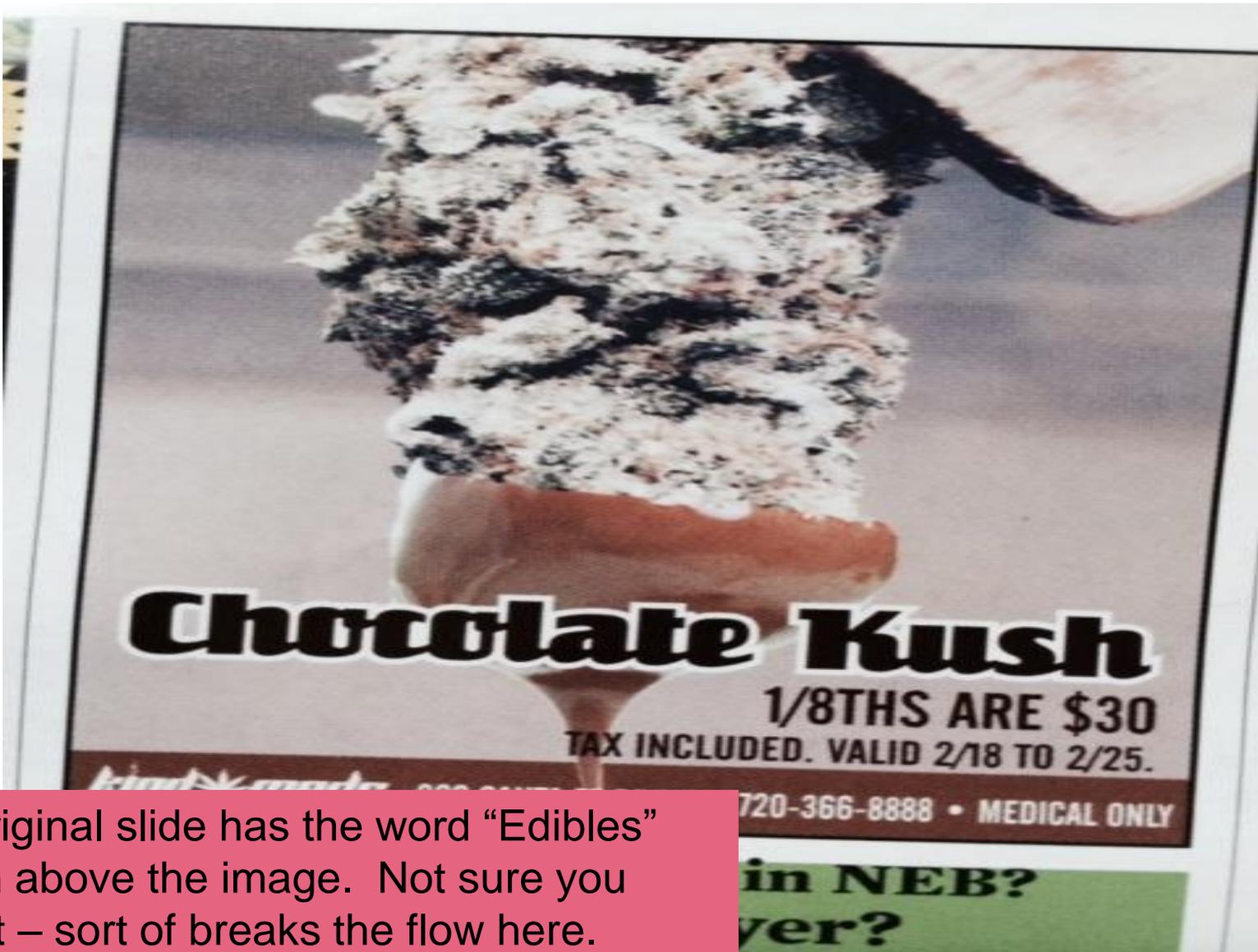
1/8 \$25

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

SOUR GRAPES



2011 1ST PLACE
CANNABIS CUP WINNER



Chocolate Kush
1/8THS ARE \$30
TAX INCLUDED. VALID 2/18 TO 2/25.
720-366-8888 • MEDICAL ONLY
in NEB?
ver?

The original slide has the word “Edibles” written above the image. Not sure you need it – sort of breaks the flow here.

Marijuana's negative impact on Colorado children continued in 2015

 Associated Press: [“Two Denver Deaths Linked to Recreational Marijuana Use.”](#) One includes the **under-aged college student who jumped to his death after eating a marijuana cookie**

 The number of parents calling the poison-control hotline to report their kids had consumed marijuana has [risen significantly in Colorado](#)

 Marijuana edibles and marijuana vaporizers have been **found in middle and high schools**

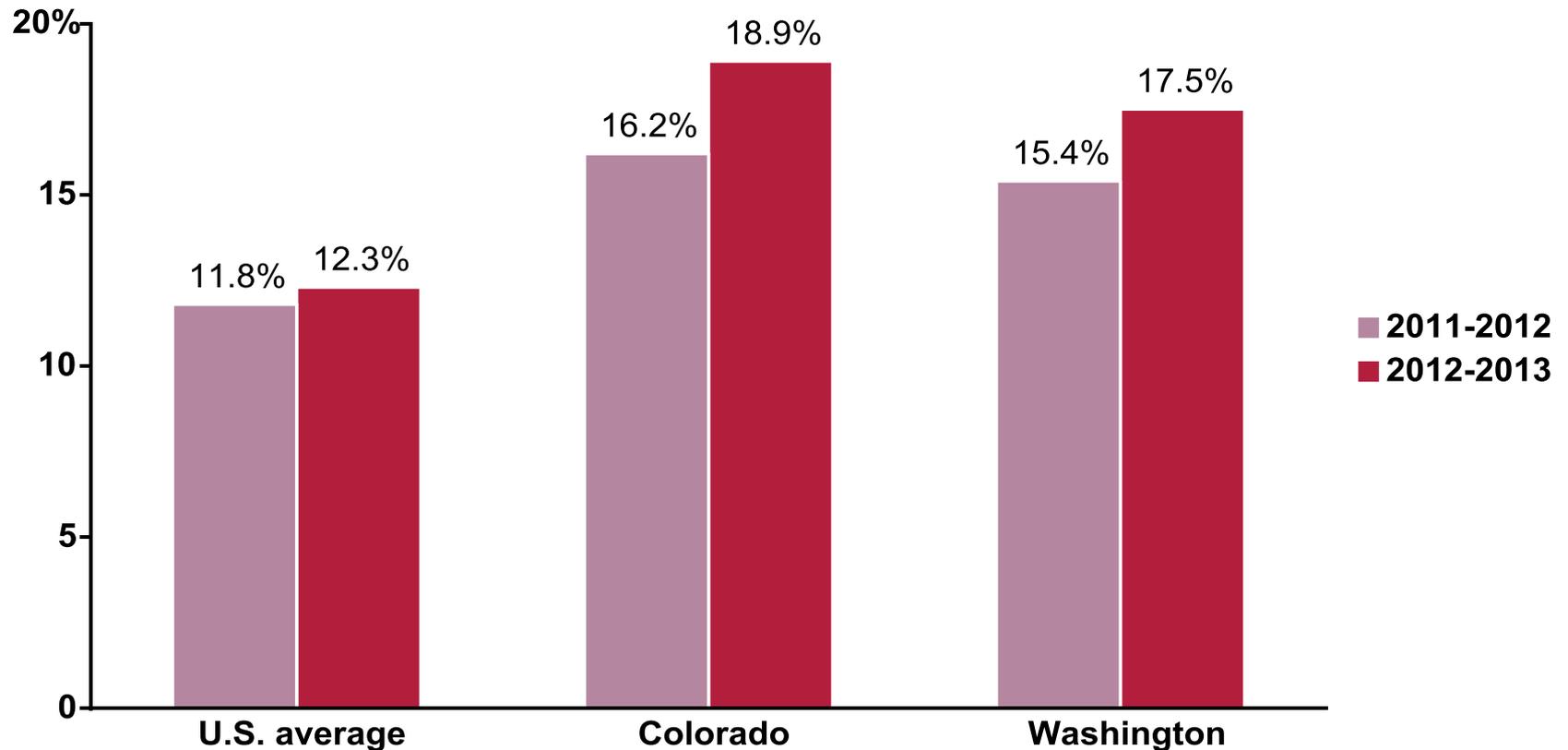
WA and CO show statistically significant increases in marijuana use

-  Past-year and past-month marijuana use by all ages **exceeds the national average in both Washington State and Colorado.**
-  Marijuana use in both these states has **risen significantly* between 2011-2012 and 2012-2013.**

**Significant at the 0.05 levels*

Use in CO and WA are both (A) higher than and (B) rising faster than the national average

Percentage of population ages 12 and up who used marijuana in the past year



Accidental ingestion by children has risen sharply

- Between 2008 and 2011, an **average of 4 children between the ages of 3 and 7 were sent to the ER** for unintentional marijuana ingestion.
- In 2013, **eight children went to the CO children's hospital** for accidental ingestion
- In the first half of 2014, at least 14 children had already been sent to the ER for accidentally ingesting marijuana products -- **more than doubling from the year before**



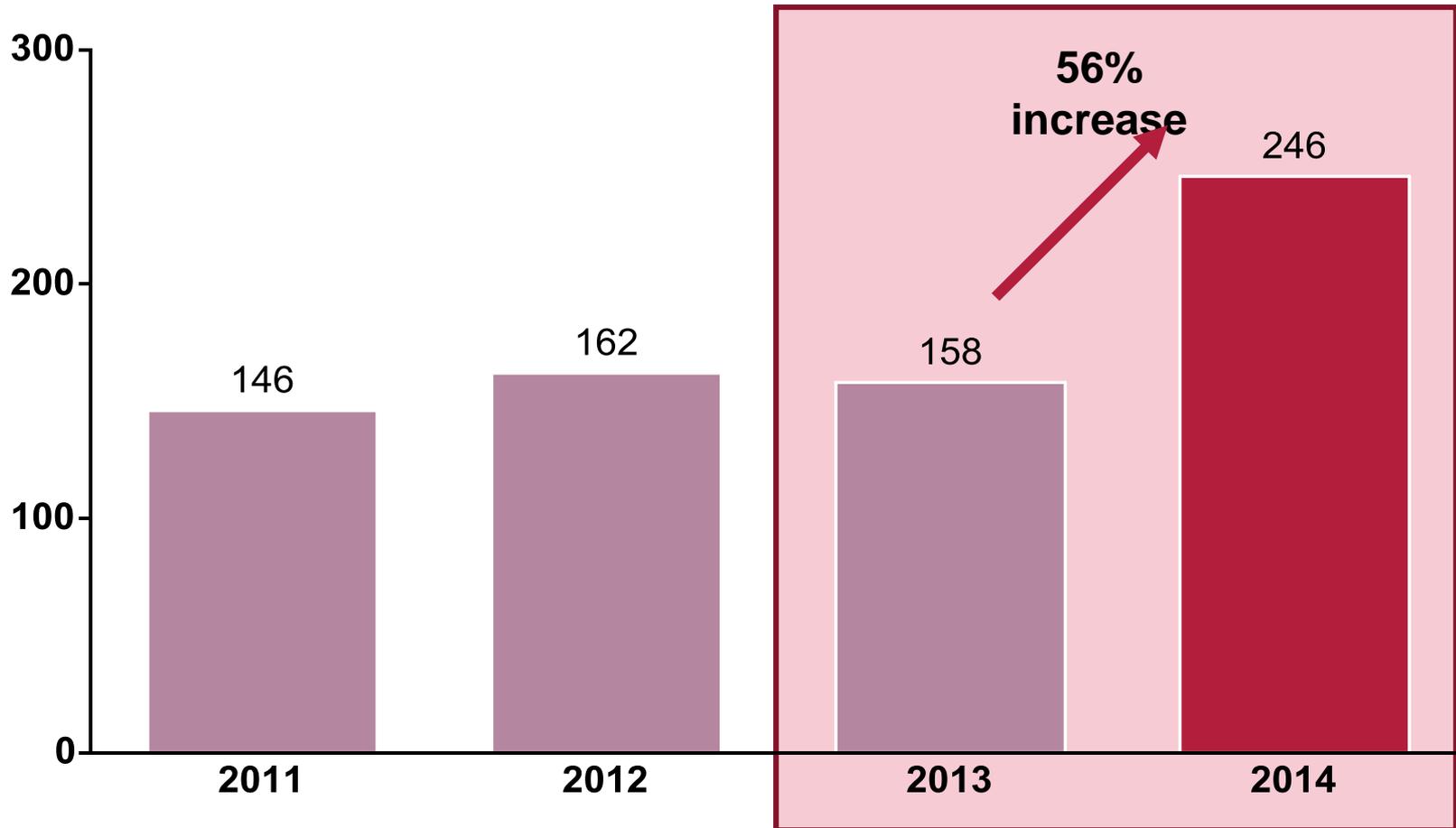


Marijuana- related poisonings are up in Washington

- Since the state legalized recreational use, the Washington Poison Center has seen an **increase in the number of human exposures related to accidental or excessive consumption/inhalation of marijuana and marijuana edibles**, particularly among pediatrics

Emergency marijuana-related calls to the WA Poison Center have skyrocketed post-legalization

Exposure calls related to marijuana





Teen marijuana arrests are up in Denver

- Arrests for marijuana use in Denver public schools **increased by 6% between 2013 and 2014**

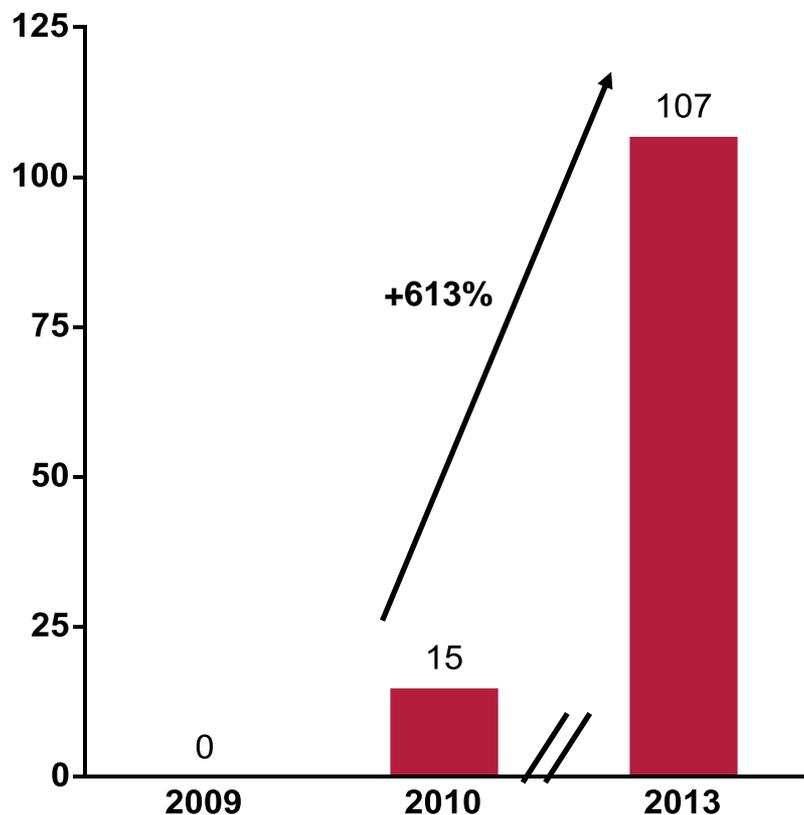
Teen admissions to drug treatment are also up

- Teen admissions to treatment for marijuana use at the Arapahoe House treatment network in CO increased by 66% between 2011 and 2014

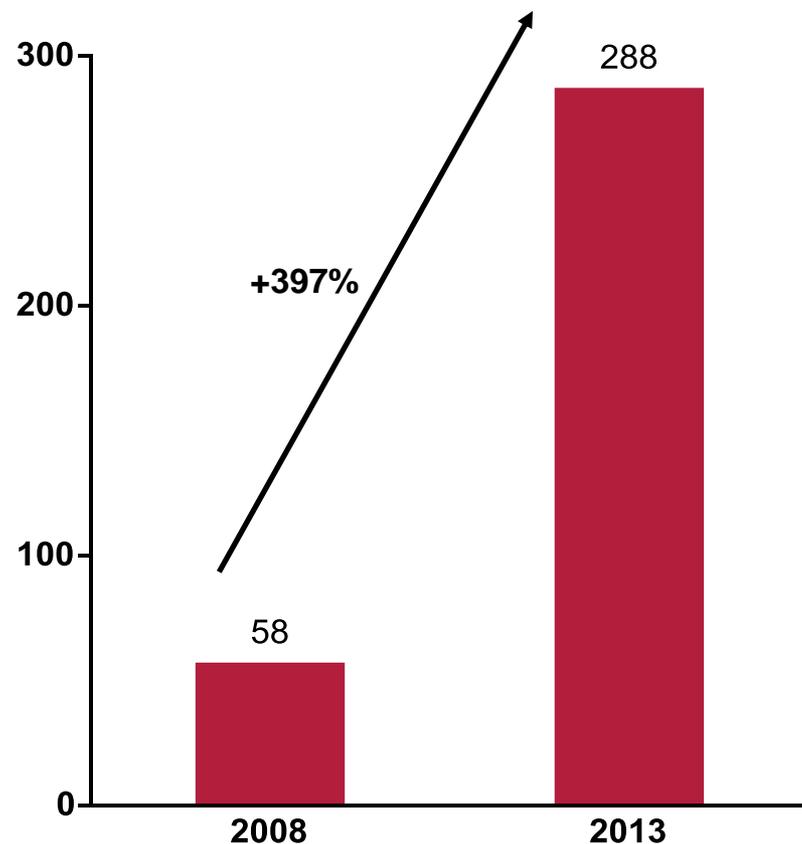


Colorado marijuana is regularly diverted to other states since its legalization referendum passed

of packages from CO containing marijuana intercepted by the U.S Postal Service

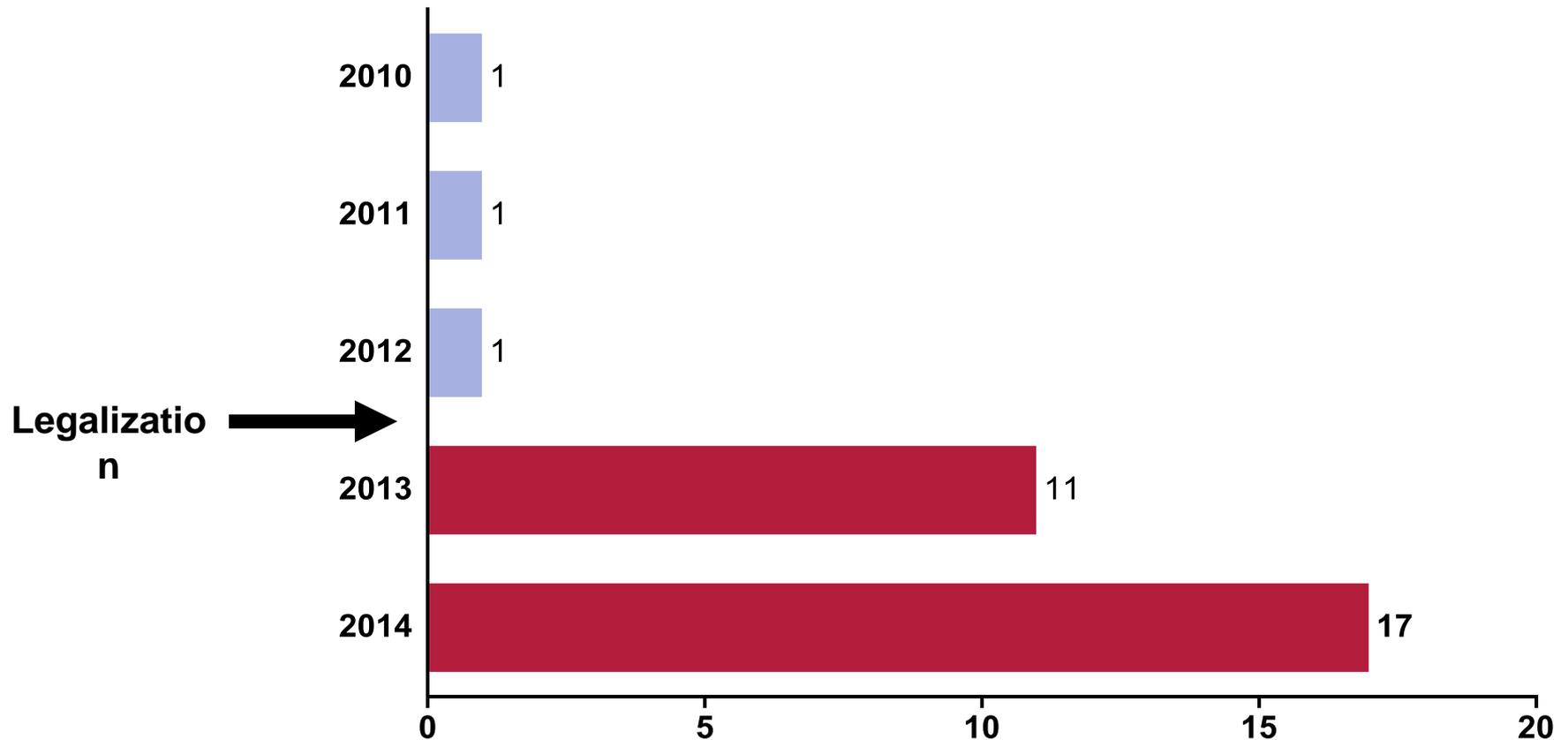


Highway interdictions resulting in seizures of CO marijuana



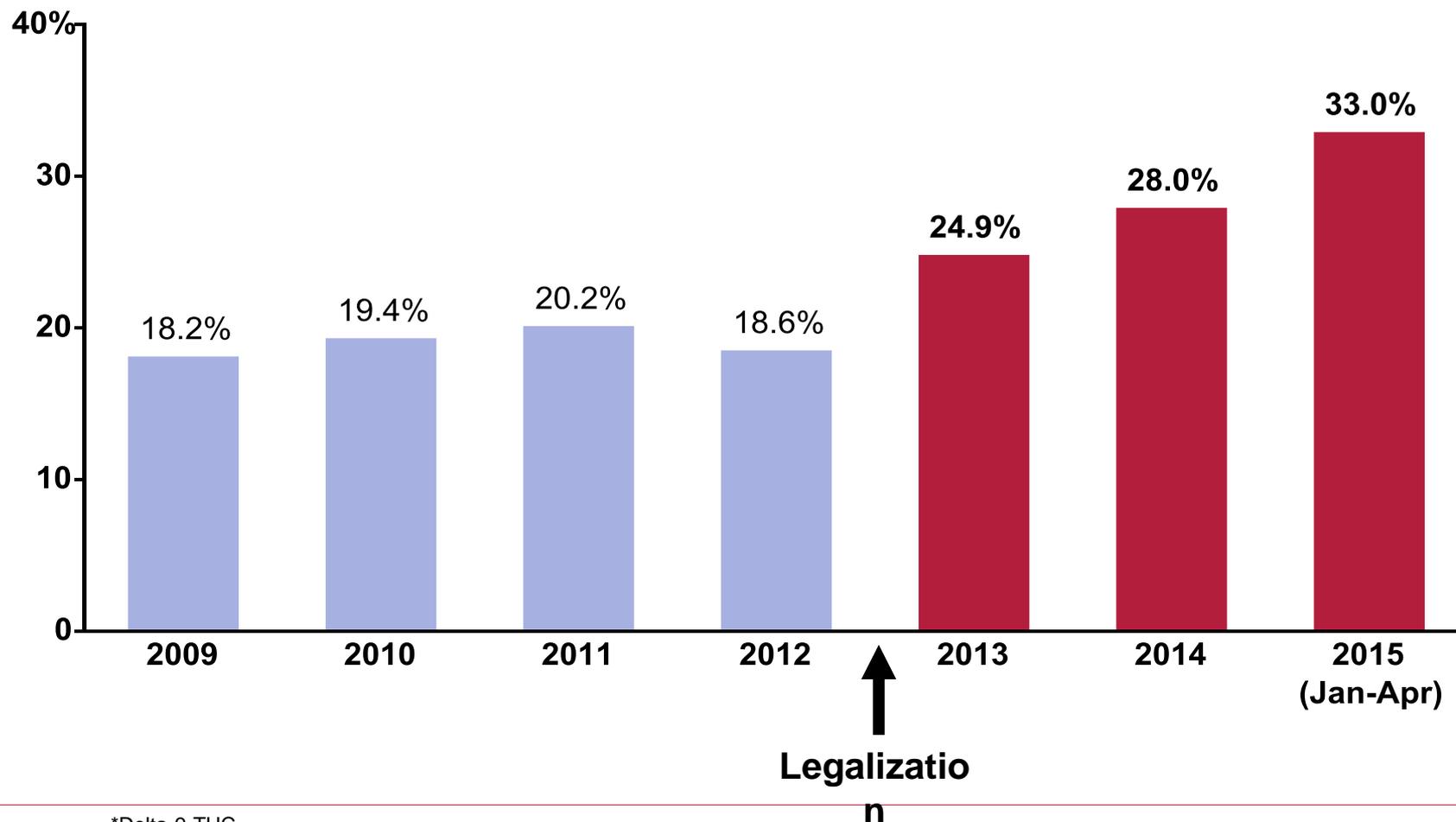
Burns: An unexpected consequence of increased marijuana use

Number of cases with self-admitted burn victims related to marijuana in Colorado, 2010-14



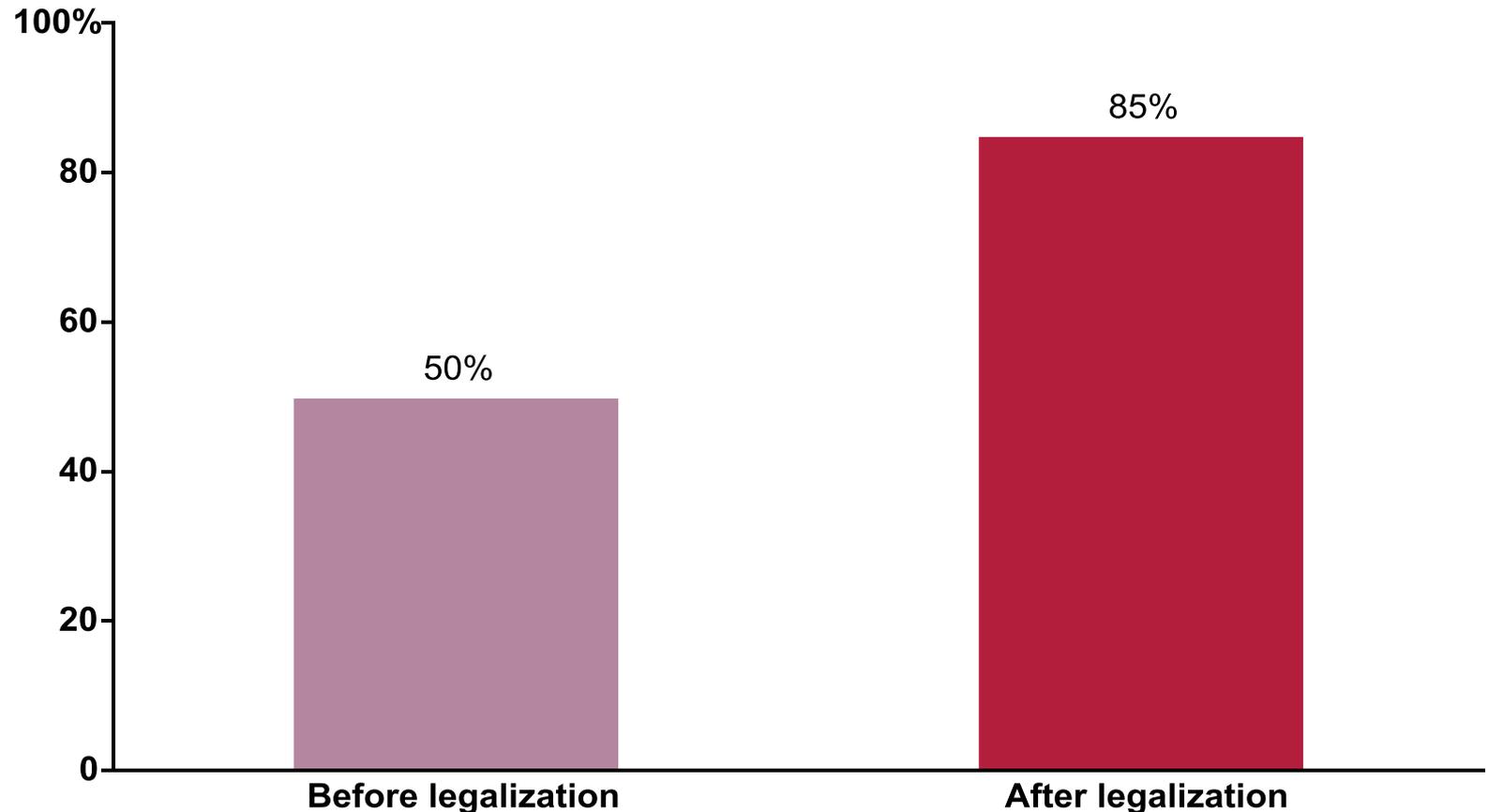
Pot has had an increasing impact on DWIs in WA post-legalization—1/3 of cases now test positive

Percentage of total DUI/DRE cases testing positive for THC* in Washington state



Recent marijuana users now account for 85% of all fatal accidents in Washington state

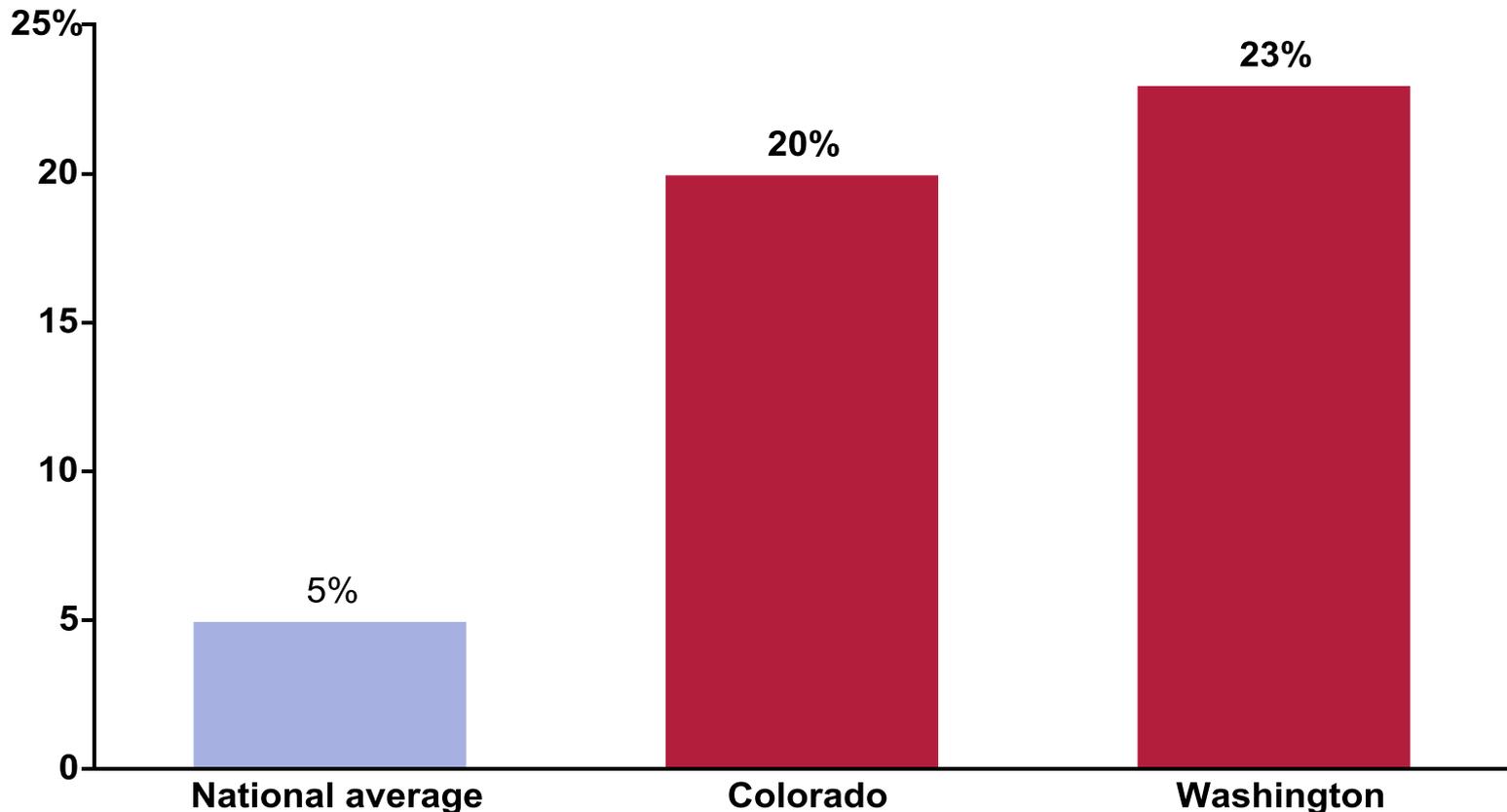
% of drivers involved in fatal crashes whose blood tests indicated recent marijuana use



Note: Recent marijuana use indicated by presence of active THC in blood tests
Source: Washington Traffic Safety Commission

WA and CO also show increases in of on-the-job marijuana use well above the U.S. average

Increase in positive on-the-job marijuana test results
(2012 to 2013)



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



- “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.**”

Colorado job applicants show alarming rates of marijuana use, and attempt to cheat drug tests

- “Leona Wellener, owner of Front Range Staffing in Colorado Springs, said marijuana use has compromised the state’s workforce. In February, Wellener said, **more than half the applicants who came to her company looking for work failed the required drug tests because of THC use.**”





Colorado Supreme Court – June 2015

- Employers can fire employees for off the job marijuana use, even within the context of a state medical marijuana program.
- **Marijuana industry has vowed to fight this and make employee drug use a top priority...**

Legalization may even have helped CO's black market in marijuana

- A Colorado drug dealer says that if anything, **legalization has helped his business** because “it’s over priced, it’s being taxed way too high.”

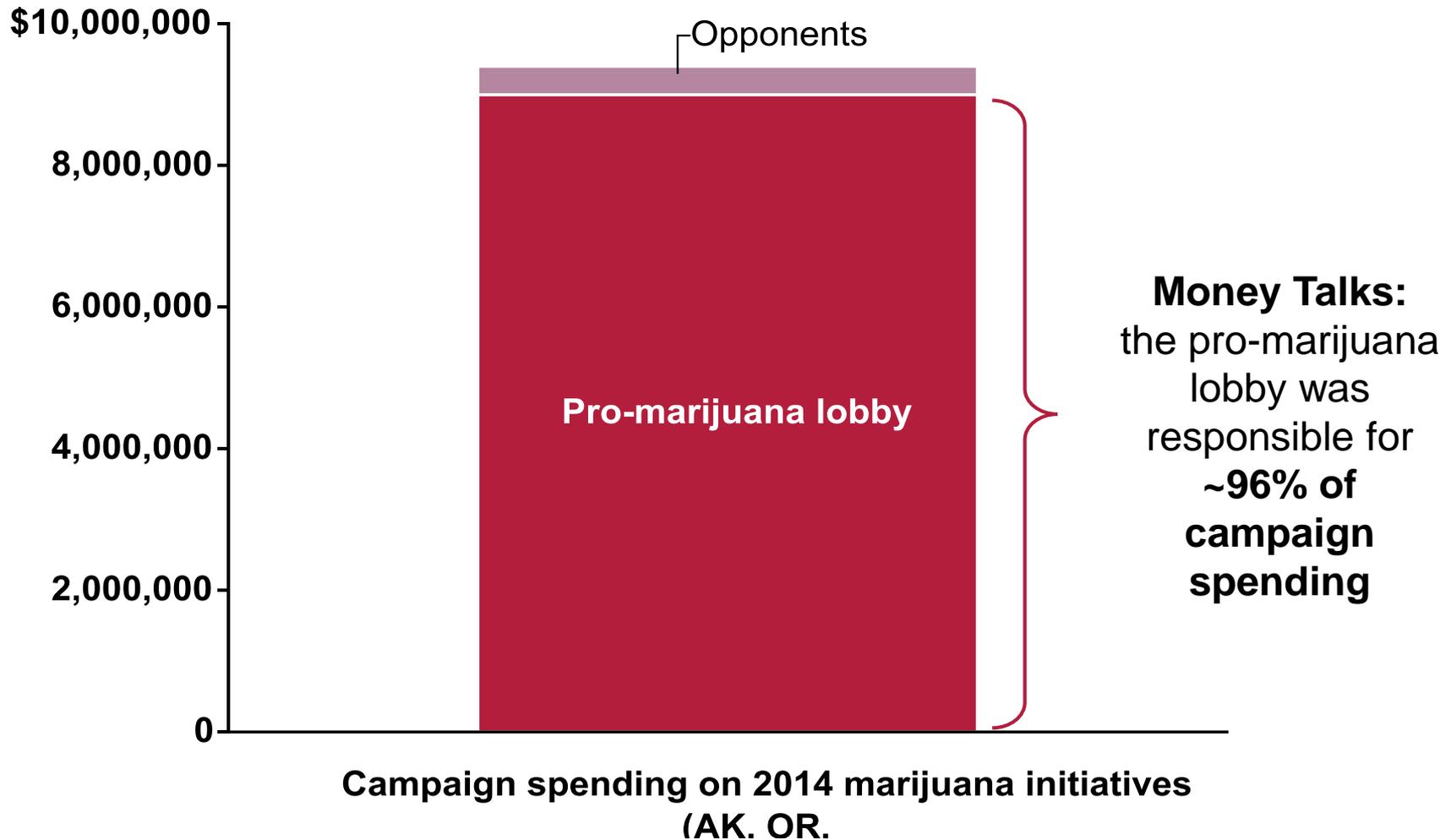




CO police already see expanded black markets as inevitable

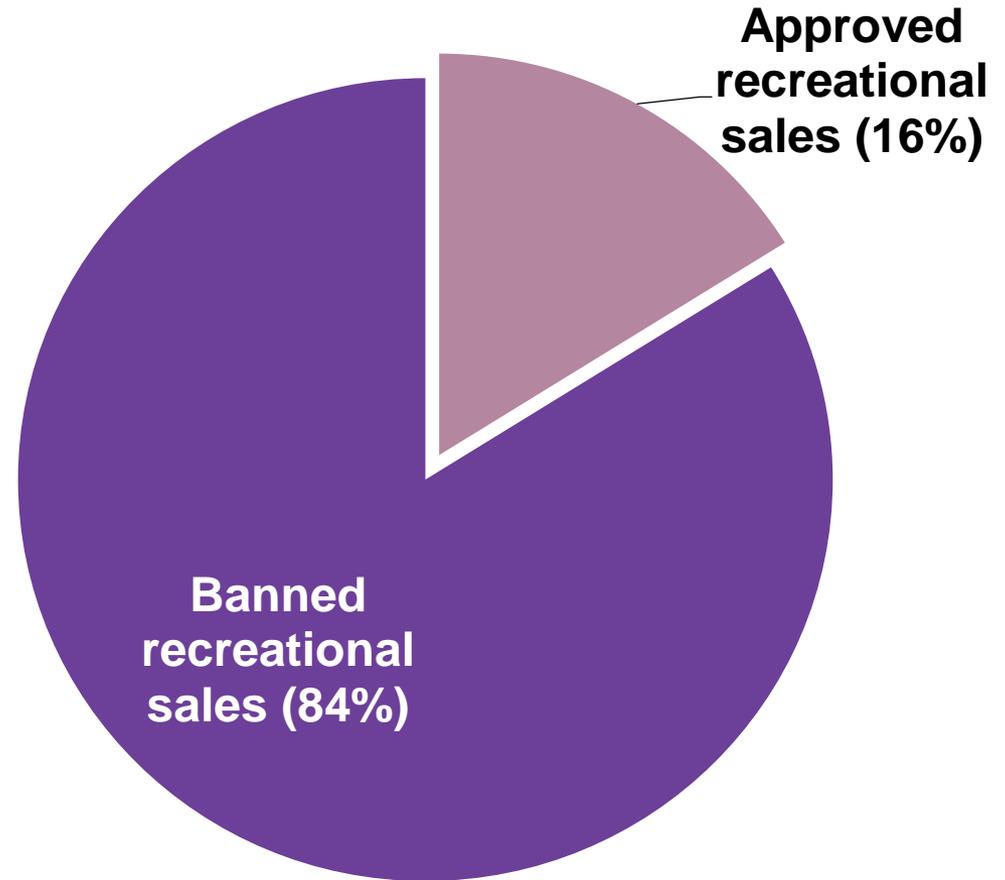
- A Colorado Springs police lieutenant stated that **“[Legalization] has done nothing more than enhance the opportunity for the black market. If you can get it tax-free on the corner, you’re going to get it on the corner.”**

Why did marijuana initiatives succeed in Alaska, Oregon, and DC in 2014? Follow the money.



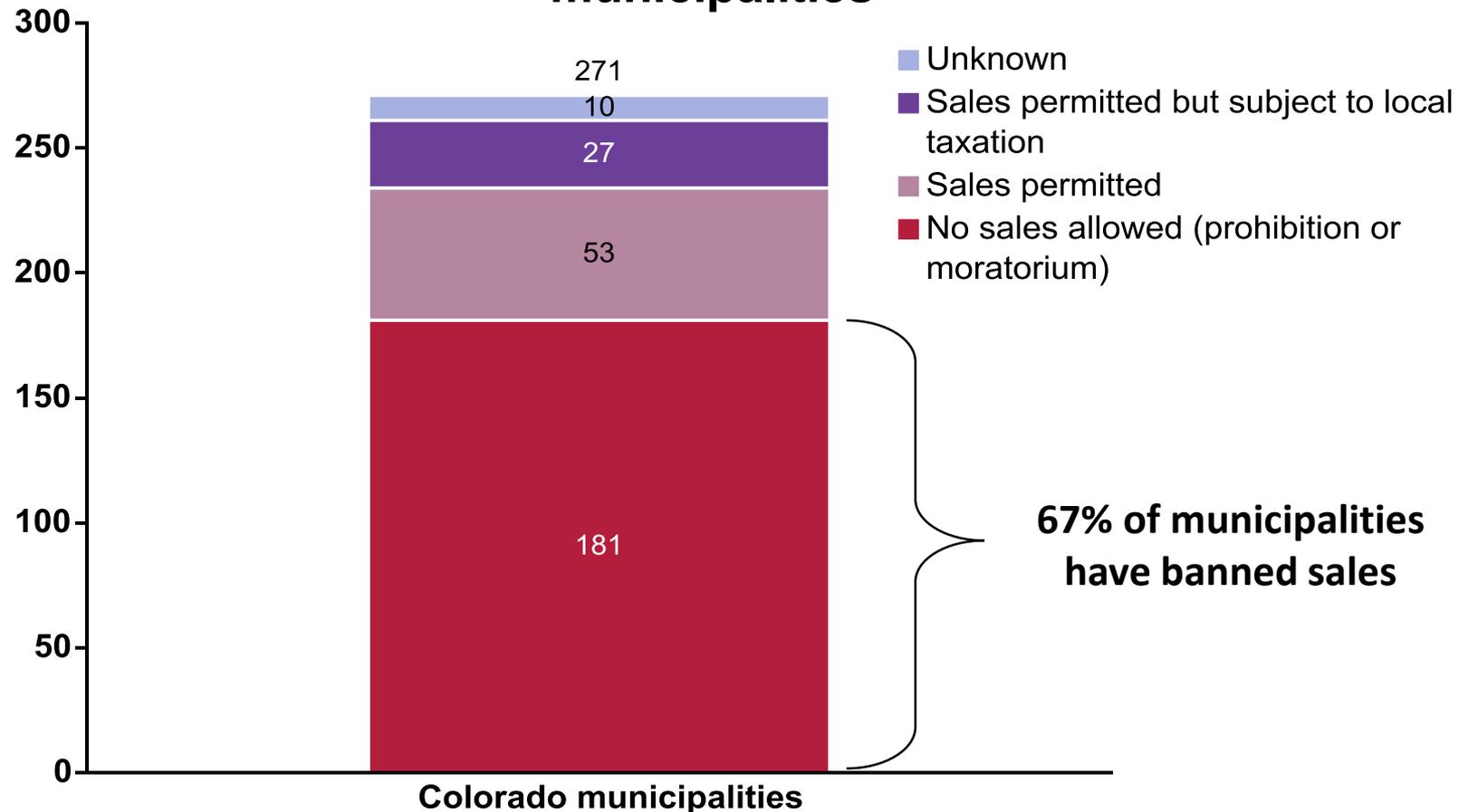
People are already having second thoughts in Colorado

- In November 2014, **31 Colorado cities** voted on the issue of selling marijuana for recreational use
- Of those 31 cities, **26 – or 84% – voted to ban such sales**



Well over half of Colorado municipalities have banned marijuana sales since legalization

Legal status of retail marijuana sales in CO municipalities



Bath Salts, Spice, K2, “Synthetic Marijuana”

Synthetic marijuana

Red X Dawn

Genie



Yucatan Fire

Blaze

Spice Products



Synthetic marijuana

Structurally related to THC, the active compound in marijuana

Basically, five types:

- **JWH-018**
- **JWH-073**
- **JWH-200**
- **CP-47,497**
- **Cannabicyclohexanol**

Two synthesized at Clemson in the 1980s for research purposes

Most made in China, India and Asia then routed through Europe

DEPARTMENT OF JUSTICE

Drug Enforcement Administration

21 CFR Part 1308

[Docket No. DEA-345N]

**Schedules of Controlled Substances:
Temporary Placement of Five
Synthetic Cannabinoids Into
Schedule I**

AGENCY: Drug Enforcement Administration (DEA), U.S. Department of Justice.

ACTION: Notice of Intent.

SUMMARY: The Deputy Administrator of the Drug Enforcement Administration (DEA) is issuing this notice of intent to temporarily place five synthetic cannabinoids into the Controlled Substances Act (CSA) pursuant to the temporary scheduling provisions under 21 U.S.C. 811(h) of the CSA. The substances are 1-pentyl-3-(1-naphthoyl)indole (JWH-018), 1-butyl-3-(1-naphthoyl)indole (JWH-073), 1-[2-(4-morpholinyl)ethyl]-3-(1-naphthoyl)indole (JWH-200), 5-(1,1-dimethylheptyl)-2-[(1R,3S)-3-hydroxycyclohexyl]-phenol (CP-47,497), and 5-(1,1-dimethyloctyl)-2-[(1R,3S)-3-hydroxycyclohexyl]-phenol (cannabicyclohexanol; CP-47,497 C8 homologue). This intended action is

01 March 2011: 5 Substances Temporarily Scheduled for One Year

Included in the DEA Notice:

JWH-018

JWH-073

JWH-200

CP-47,497

CP-47,497 C8 homologue

HU-210 previously scheduled

Only 6 compounds on the DEA list:

**There are 100+ of these synthetic compounds-
“A Moving Target”**

Synthetic marijuana isn't marijuana

Plant matter dried

Chemical is dissolved in a liquid then sprayed on plant matter

Mixture is then smoked or ingested



Syr



What it does to you

HIGH heart rate (120-150)

Convulsions

Anxiety attacks

HIGH blood pressure

Disorientation

Hallucinations and paranoia

- Monsters demons aliens
- Suicidal thoughts and actions

**It looks like marijuana but it
feels like LSD**

Legal action

The DEA has made synthetic marijuana a Schedule 1 substance of the Controlled Substance Act

- **Like LSD, heroin and cocaine**
- **Illegal to manufacture, distribute possess, import and export synthetic cannabinoids**

Done to avoid an imminent hazard to public safety

Bath Salts



They are not your grandma's bath salts!

Bath Salts / Plant Food Products

Say Hello To Our Little Friend!!

Bolivian Bath



1/2 Gram Of The Most Uplifting Bath Salts Available ANYWHERE!!

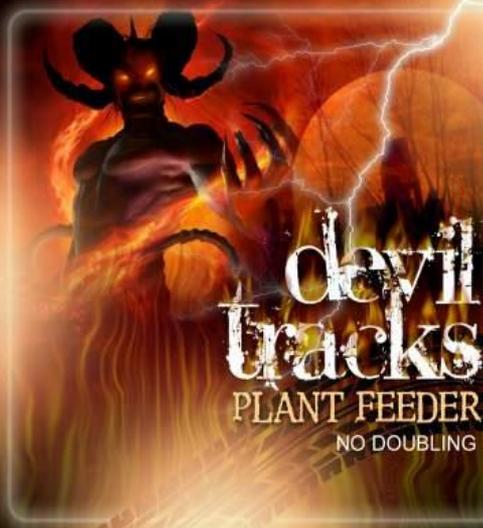
NEW

Vanilla Sky

www.vanillaskydirect.com

OMISE

NOVELTY COLLECTION



devil tracks

PLANT FEEDER

NO DOUBLING



Flu

CONCENTRATED BATH SALTS

NEW...

www.ivory-salts.com

Ivory

WAVE

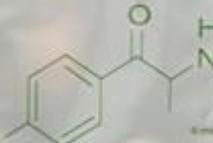
WHOLE BODY PACK

SOOTHING BATH SALTS



Mephedrone

PLANT FOOD



2g

WARNING

Alternate Names For

BATH SALTS

| | | | |
|----------------------------|---------------------------------------|---------------------|------------------------|
| <i>ARCTIC BLAST</i> | <i>COTTON CLOUD</i> | <i>MYSTIC</i> | <i>WHITE GIRLS</i> |
| <i>BAYOU IVORY FLOWER</i> | <i>DYNAMITE DYNAMITE PLUS</i> | <i>OCEAN SNOW</i> | <i>WHITE HORSE</i> |
| <i>BLOOM</i> | <i>ENERGIZING AROMATHERAPY POWDER</i> | <i>PURE WHITE</i> | <i>WHITE KNIGHT</i> |
| <i>BLUE MAGIC</i> | <i>EUPHORIA</i> | <i>RED DOVE</i> | <i>WHITE LIGHTNING</i> |
| <i>BLUE MAGIC</i> | <i>GOLD RUSH</i> | <i>ROUTE 69</i> | <i>WHITE RUSH</i> |
| <i>BLUE SILK</i> | <i>HURRICANE CHARLIE</i> | <i>SCARFACE</i> | <i>WICKED X</i> |
| <i>BOLIVIAN BATH</i> | <i>IVORY FRESH</i> | <i>SNOW DAY</i> | <i>WICKED XX</i> |
| <i>BONSAI WINTER BOOST</i> | <i>IVORY WAVE</i> | <i>SNOW LEOPARD</i> | <i>ZOOM</i> |
| <i>C ORIGINAL</i> | <i>IVORY WAVE ULTRA</i> | <i>TRANQUILITY</i> | |
| <i>CLOUD 10</i> | <i>LADY BUBBLES</i> | <i>VANILLA SKY</i> | |
| <i>CLOUD 10 ULTRA</i> | <i>LUNAR WAVE</i> | <i>WHITE CHINA</i> | |
| <i>CLOUD 9</i> | <i>MR. NICE GUY</i> | <i>WHITE DOVE</i> | |

Bath salts

A Kentucky woman became convinced that her 2 year old was a demon. She picked the child up and dropped him on his head

A Mississippi man cut his face and stomach with a hunting knife

A Mentor man tried to hang himself with a belt after snorting bath salts

Bath salts

No legitimate use for bath water—marketed “for novelty use only”

Mimics cocaine, LSD and methamphetamine

Snort, inject and ingest

What it does to you

Cause paranoia, hallucinations, suicidal

Can't sleep

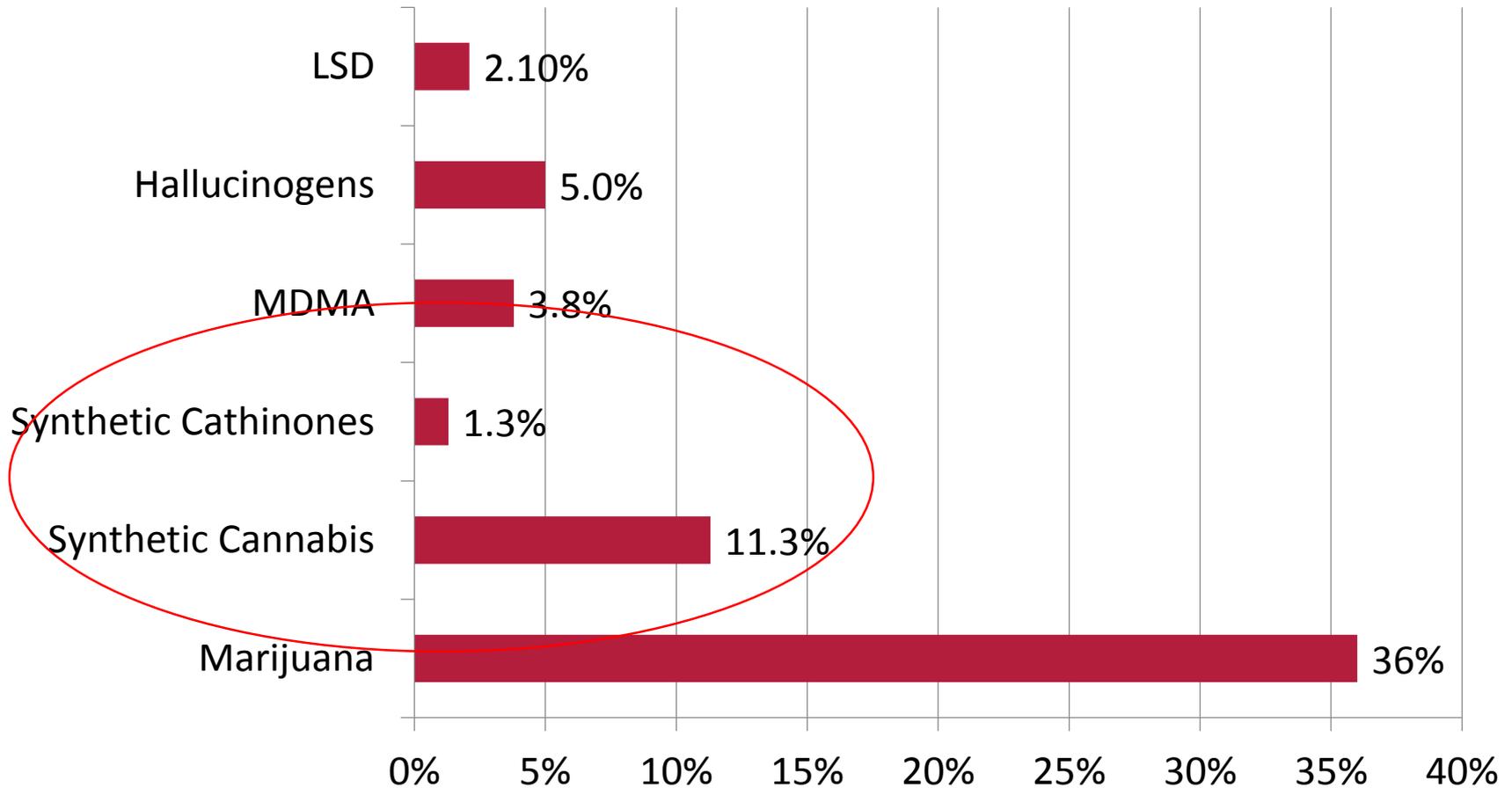
Bizarre behavior

Rapid heart rate

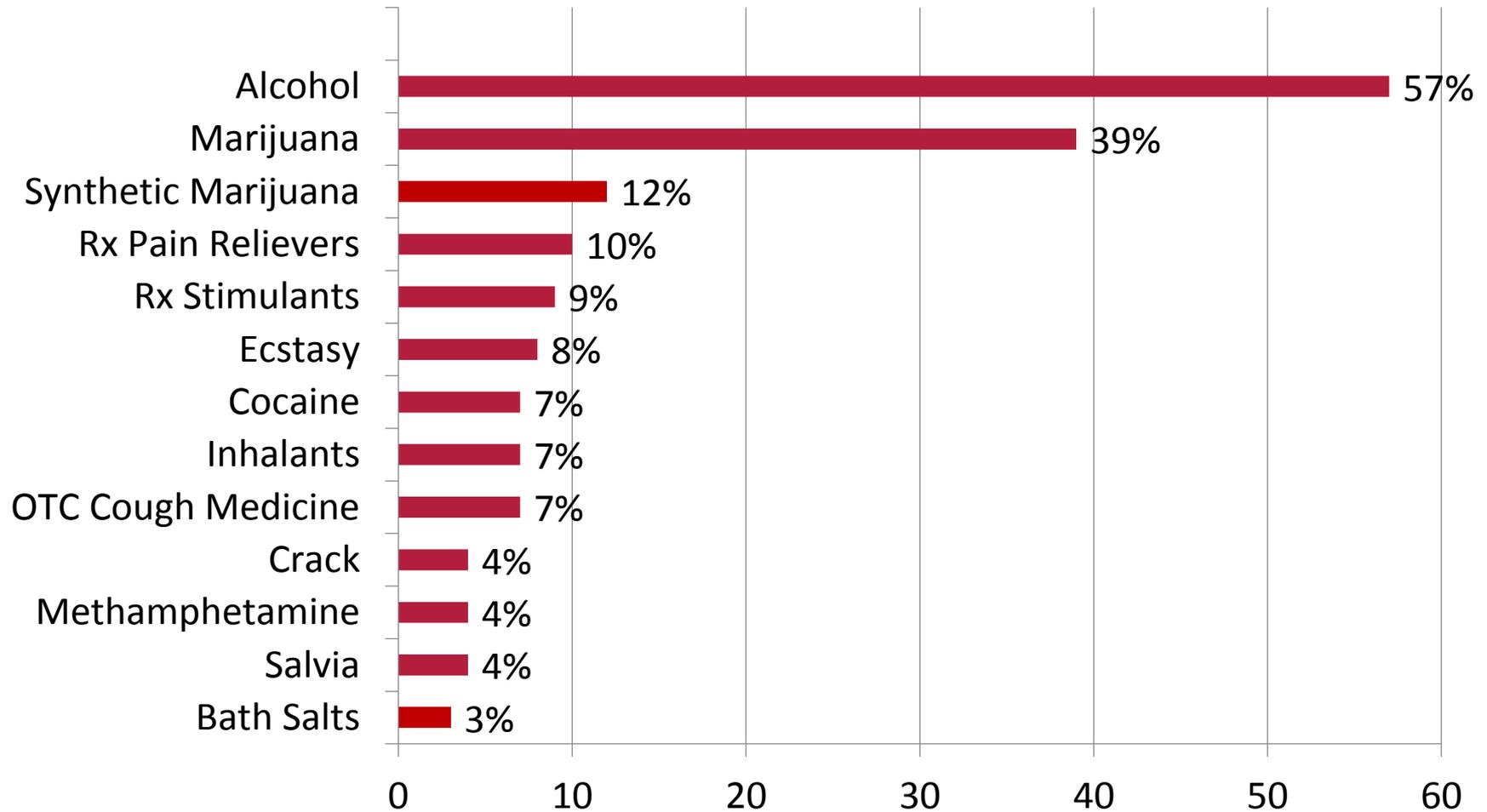
Difficulty breathing

**Much longer duration than synthetic
marijuana**

Past Year Drug Use by 12th Grade Students: MTF, 2012



Percentage of U.S. Students (Grades 9 to 12) Reporting Past Year Alcohol and Other Drug Use, 2012 (N=3,884)



SOURCE: Adapted by CESAR from The Partnership for a Drug-Free America and the MetLife Foundation, *The Partnership*

 Attitude Tracking Study (PATS): Teens and Parents, 2013.



Concluding thoughts

BBQ

Questions:

- **Are your relationships better off when people use more marijuana?**
- **Does marijuana make for better neighbors? Parents? Better kids? Better employees? Better drivers?**

Legal marijuana and marginalized communities

- **How has alcohol legalization (or gambling or tobacco) affected marginalized communities?**

Not just marijuana: Advocates often supports the legalization of all drugs

“We're at a tipping point where it's starting to feel like marijuana legalization is no longer a question of if -- but when. But what about the other drugs?...*Many of the reasons why marijuana legalization makes sense can be applied to drugs more generally.*”

-HuffPost, Drug Policy Alliance

SAM Smart Approaches to Marijuana preventing another big tobacco

- **Bipartisan Co-Chairs (Kennedy + Frum)**
 - **Launched in 2013**
 - **Over 250,000 press mentions**
- **Public Health Scientific Advisory Board**
- **30 state-wide affiliates, 1 int'l. affiliate**

What is SAM, and what does it do?

1. To **inform public policy with the science** of today's marijuana.
2. To have **honest conversations about reducing the unintended consequences of current marijuana policies**, such as lifelong stigma due to arrest.
3. To **prevent the establishment of Big Marijuana that would market marijuana to children** — and to prevent Big Tobacco from taking over Big Marijuana. Those are the very likely results of legalization.
4. To promote **research of marijuana's medical properties** and produce pharmacy-attainable medications.



Thank you!

Kevin@learnaboutsam.org
www.learnaboutsam.org