



FIVE MINUTES
of courage
marijuana facts

Exploring the Outcomes of Marijuana Use in Colorado



The Legalization
of Marijuana in
Colorado:
The Impact
Volume 5

UPDATE

September 2018

Rocky Mountain
High Intensity Drug Trafficking Area



It's Not Just "a Little Pot"

1969



THC: 1-3%

2019



stonerdays.com

THC: 16-99%

First documented cases of Cannabis Dependence Disorder (addiction) at 5% THC

It's Not Just a "Little Pot"

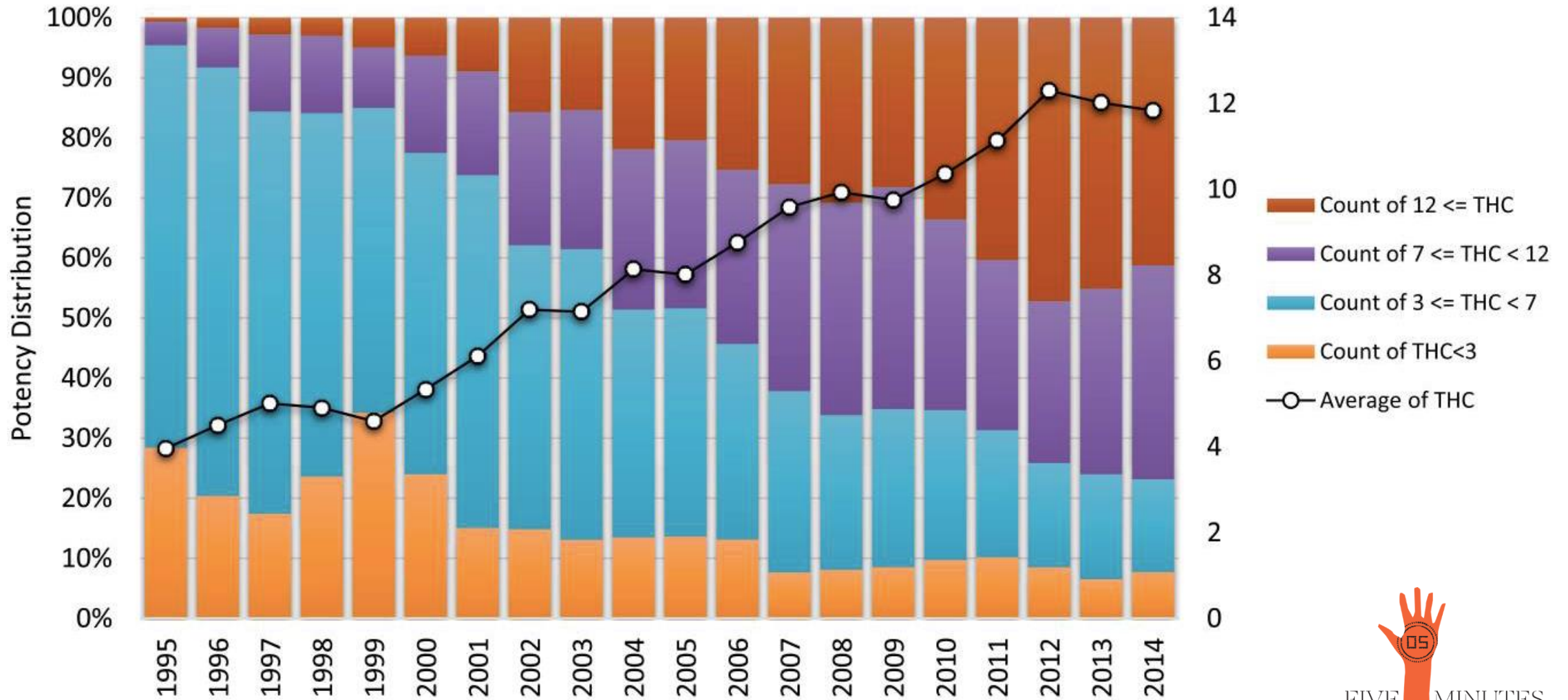


Cannabis plants – Circa 1970's



Today: 1 plant can produce 1 lb of pot per harvest (3-4 harvests per year)

THC Potency



“But it’s just a plant...”

(80 to 90% THC) Concentrates



“Ear Wax”



“Green Crack”
Wax



Butane Hash Oil
(BHO)



Hash Oil
Capsules

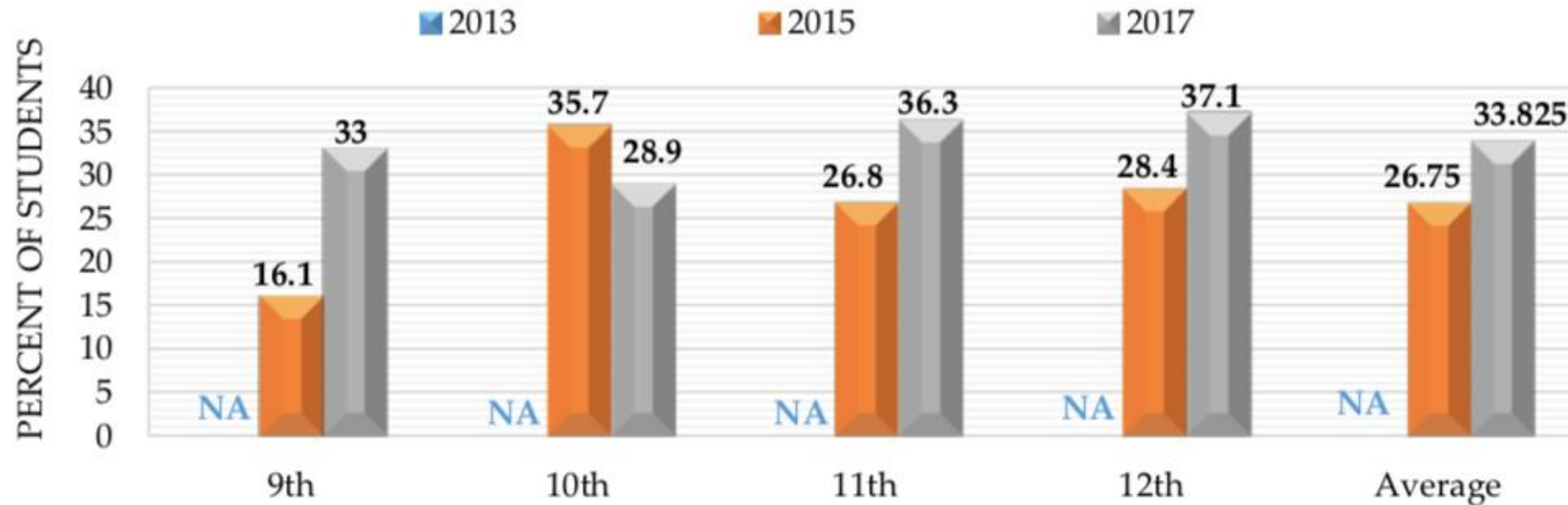


“Budder”



“Shatter”

Among Students Who Used Marijuana within the Past 30 days, the Percentage Who Dabbed* it



*Dabbing is the process of vaporizing concentrated marijuana, usually in the form of wax or resin, by placing it on a heated piece of metal and inhaling the vapors. Concentrated marijuana is known to often contain 70 percent or higher levels of THC, the psychoactive component of marijuana.

SOURCE: Colorado Department of Public Health and Environment, Healthy Kids Colorado Survey



The Cannabist



Almost 60 percent of new marijuana users each year are under age 18



9 percent of 8th graders have vaped in the past 30 days

U.S. NSDUH 2014 Survey Results





15- TO 17-YEAR-OLDS ARE

16x



MORE LIKELY TO USE A JUUL
COMPARED TO THOSE AGES 25-34.



truth initiative
INSPIRING TOBACCO-FREE LIVES

truthinitiative.org



OF 15- TO 17-YEAR-OLDS WHO USE JUUL

56%

USE IT
3+ DAYS
A MONTH

ALMOST HALF
OF THAT GROUP
USE IT 10+ DAYS
A MONTH



truth initiative
INSPIRING TOBACCO-FREE LIVES

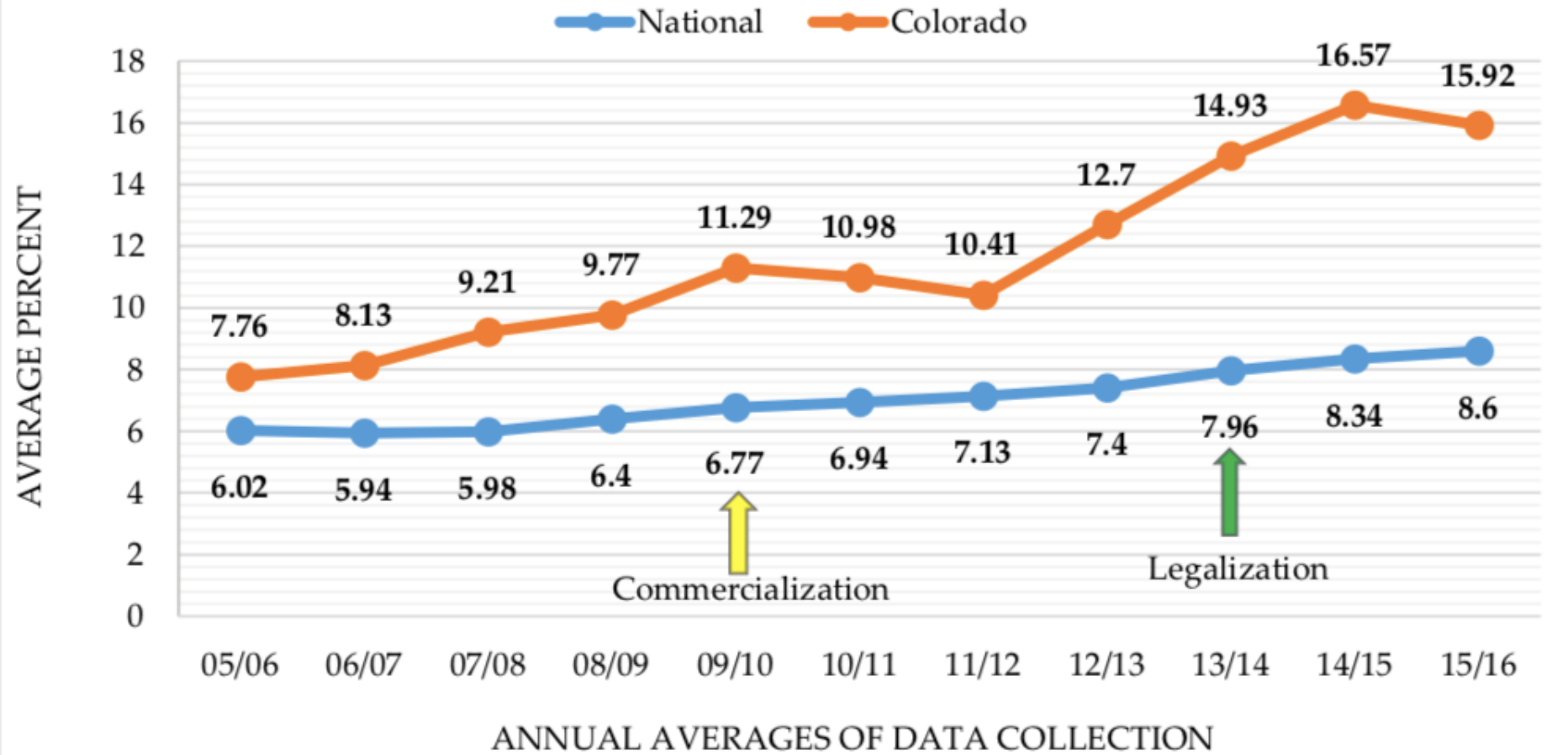
truthinitiative.org



24
↓
Finally hacked my juul for cannabis oil - rips better than any other vape pen on the market, including PAX Era lol



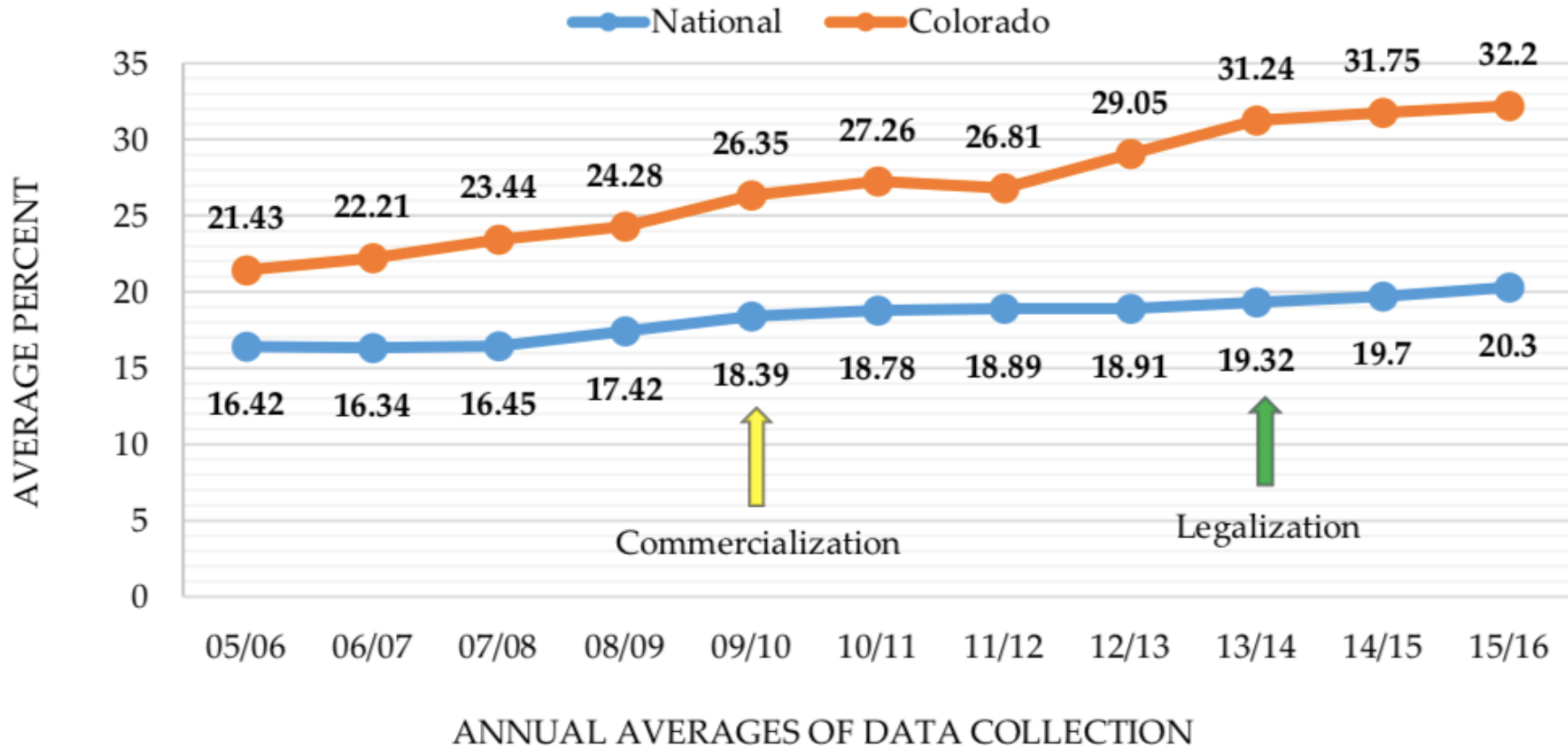
Past Month Marijuana Use, Ages 12 and Older



SOURCE: SAMHSA.gov, National Survey on Drug Use and Health 2015 and 2016

❖ Colorado was **85% higher** than the National average in 2015/2016

Past Month Marijuana Use, 18 to 25 Years Old



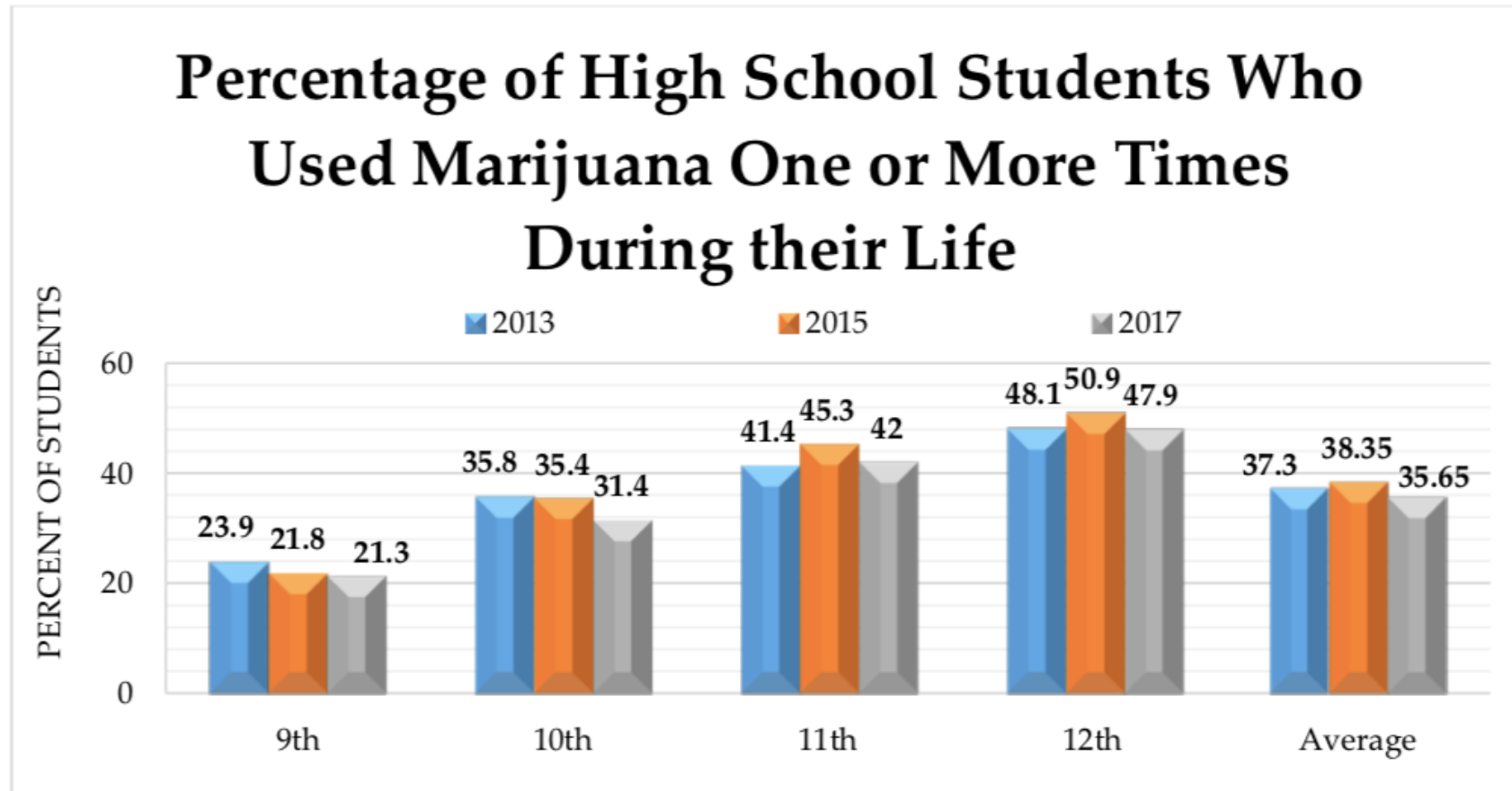
SOURCE: SAMHSA.gov, National Survey on Drug Use and Health 2015 and 2016

❖ Colorado was **59% higher** than the National average in 2015/2016

Terminal

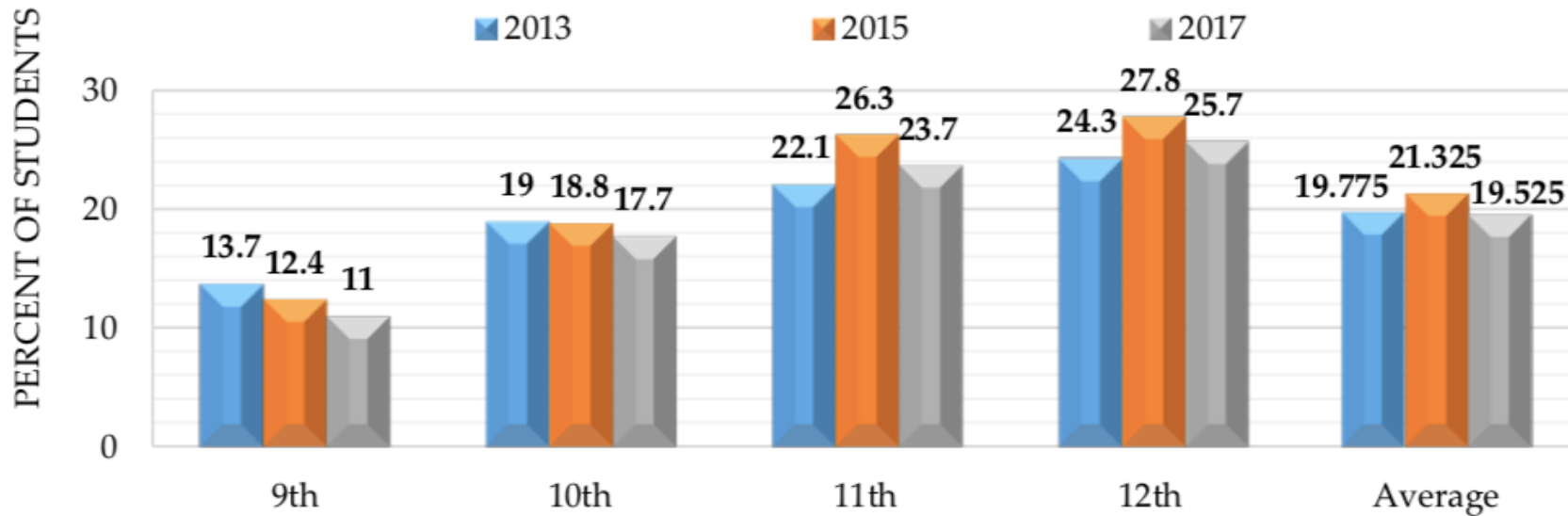


Healthy Kids Colorado Survey (HKCS) Data



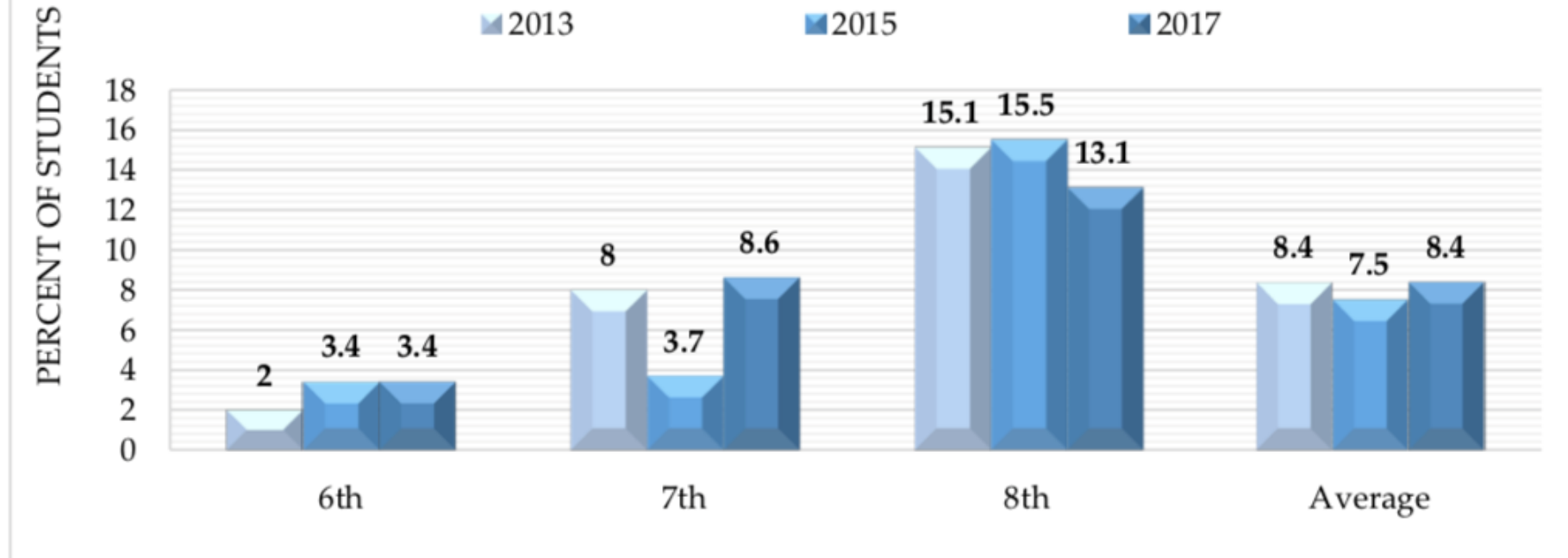
SOURCE: Colorado Department of Public Health and Environment, Healthy Kids Colorado Survey

Percentage of High School Students Who Used Marijuana One or More Times During the Past 30 days



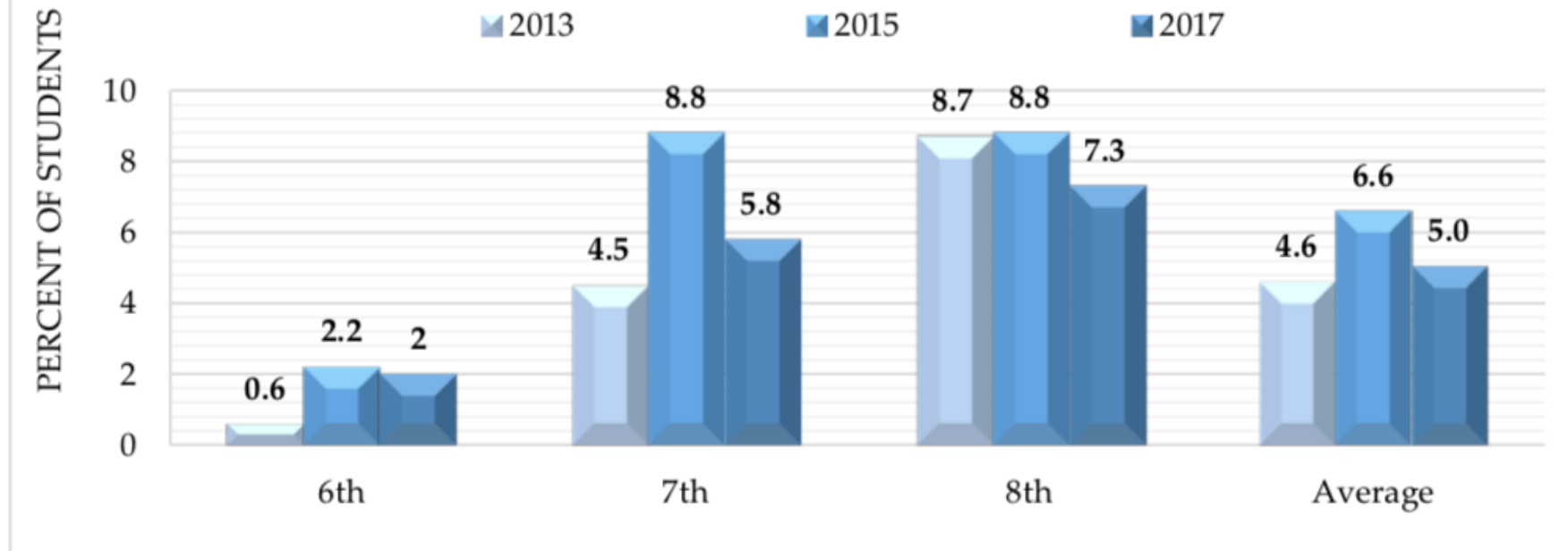
SOURCE: Colorado Department of Public Health and Environment, Healthy Kids Colorado Survey

Percent of Middle School Students Who Ever Used Marijuana



SOURCE: Colorado Department of Public Health and Environment, Healthy Kids Colorado Survey

Current Marijuana Use for Middle School Students in Colorado



SOURCE: Colorado Department of Public Health and Environment, Healthy Kids Colorado Survey


- Home
- Indigo Ranch StetsonRidge
- Map
- Neighborhood
- Recommendations
- For Sale & Free
- Events
- Real Estate
- Crime & Safety
- Lost & Found
- Documents
- General
- Interests
- All Interests New
- Baking
- Books

Post a message, event, poll or urgent alert

J Jeannine Roberts, Indigo Ranch StetsonRidge 1

Illegal activities at Ken Jordan Park

Found this while walking my dog through Ken Jordan park. It is the second one I find this month. Be vigilant and report suspicious activities.



New 35m ago · Indigo Ranch StetsonRidge in Crime & Safety

Thank Reply

Indigo Ranch StetsonRidge

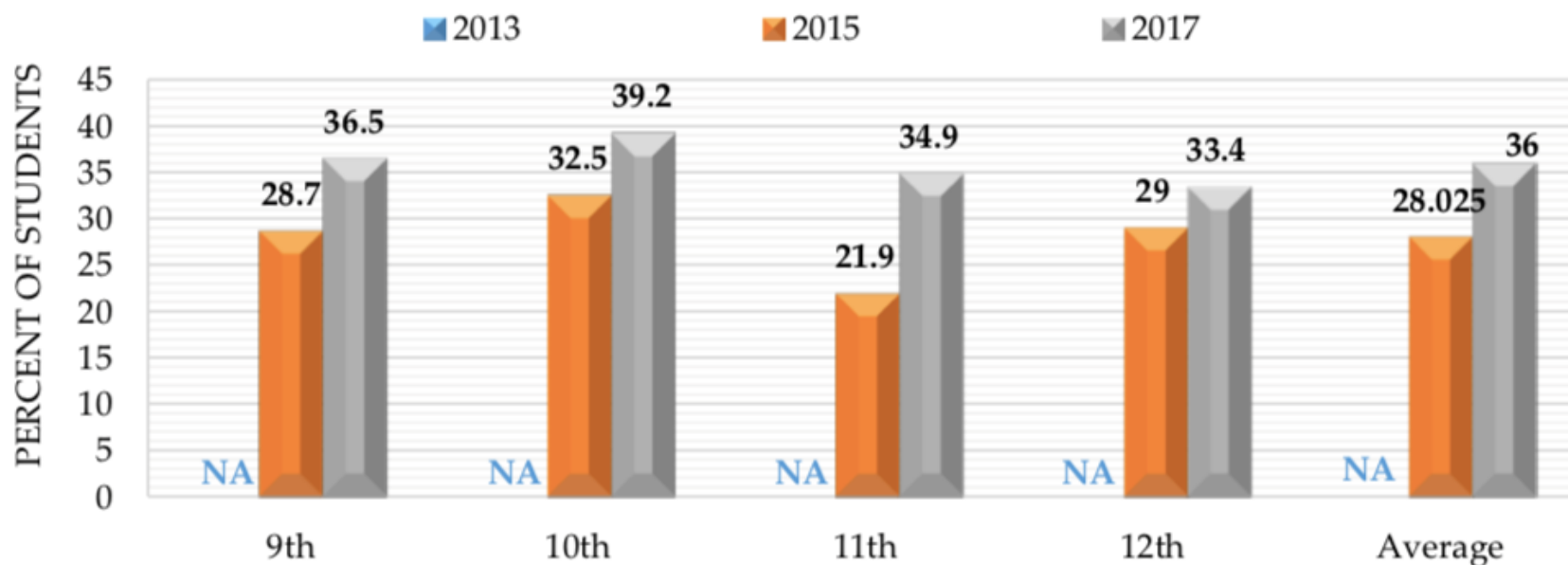
1,477 neighbors [Invite](#)

60% of 1,836 households

9,261 neighbors in 31 nearby neighborhoods



Among Students who Used Marijuana within the Past 30 Days, the Percentage Who Ate* it



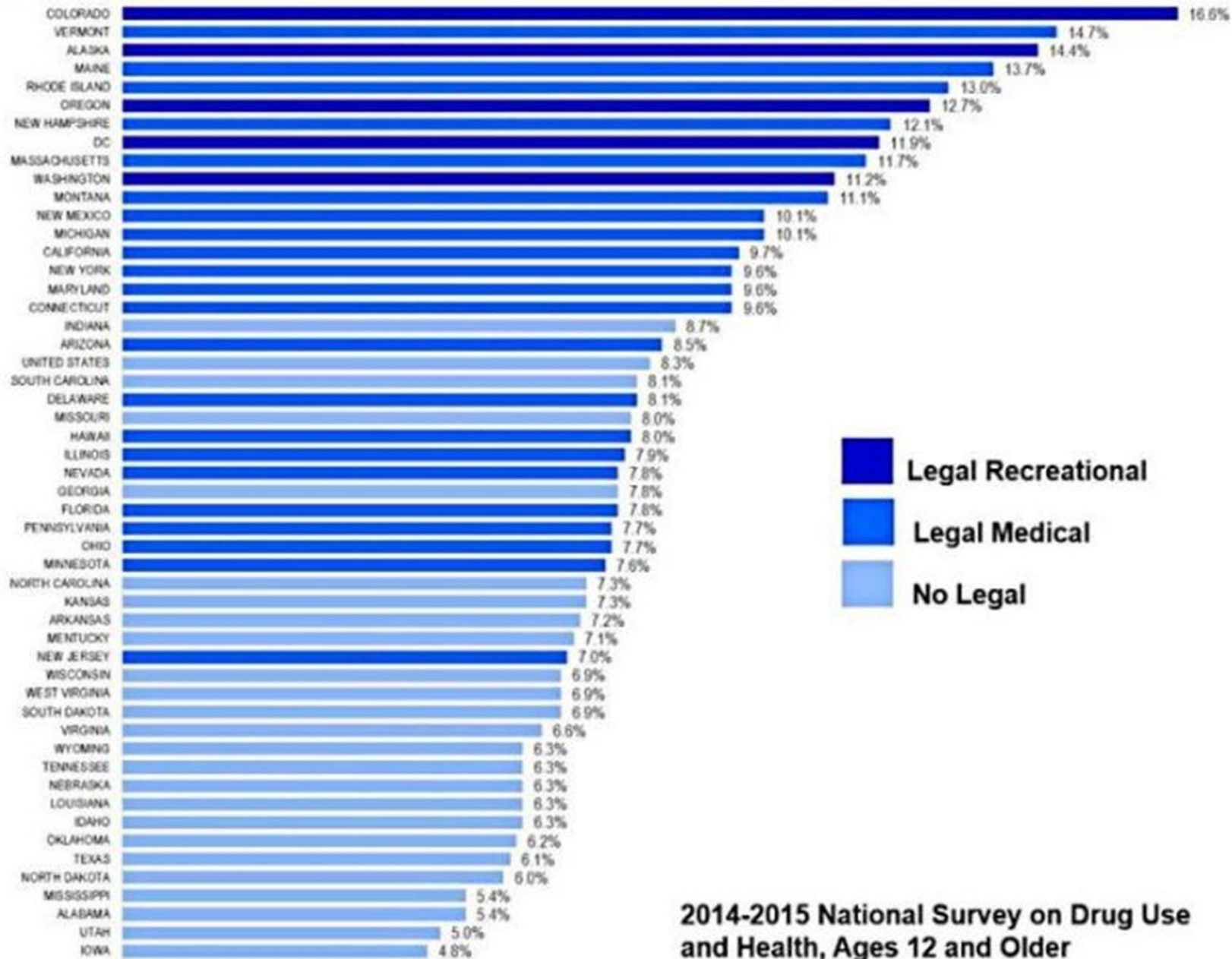
*Eating marijuana most commonly refers to edible products. Edible products contain marijuana concentrates and extracts that have been made for the use of being mixed with food or other products.

SOURCE: Colorado Department of Public Health and Environment, Healthy Kids Colorado Survey

Colorado Averages Compared to National Averages, Ages 12 and Older (NSDUH 2015/2016)

	Higher	Lower
Marijuana Past Month Use	85%	
Perceptions of Risk for Smoking Marijuana		63%
Age of First Use of Marijuana	96%	
Alcohol Past Month Use	12%	
Cigarette Past Month Use		15%
Perceptions of Risk for Smoking Cigarettes	2%	

SOURCE: SAMHSA.gov, National Survey on Drug Use and Health 2015 and 2016



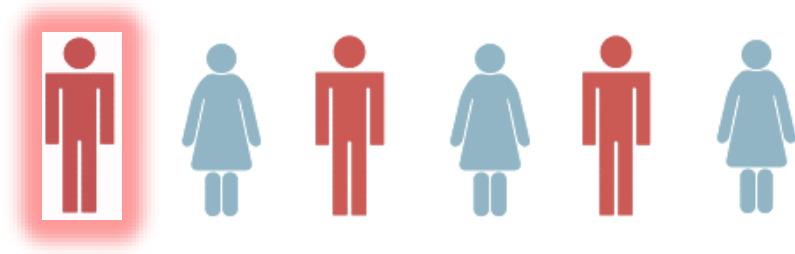
“Colorado now leads the country in past-month youth marijuana use, after legalizing marijuana in 2012. The state claims this dubious distinction after being in third place in the 2012-2013 report, and in fourth place in the 2011-2012 study.” - SAM



1 in 6 Teens Become Addicted

Keeping in mind that this is based on THC content <12%:

1 in 10 adults and **1 in 6 adolescents**
who try marijuana will become
addicted



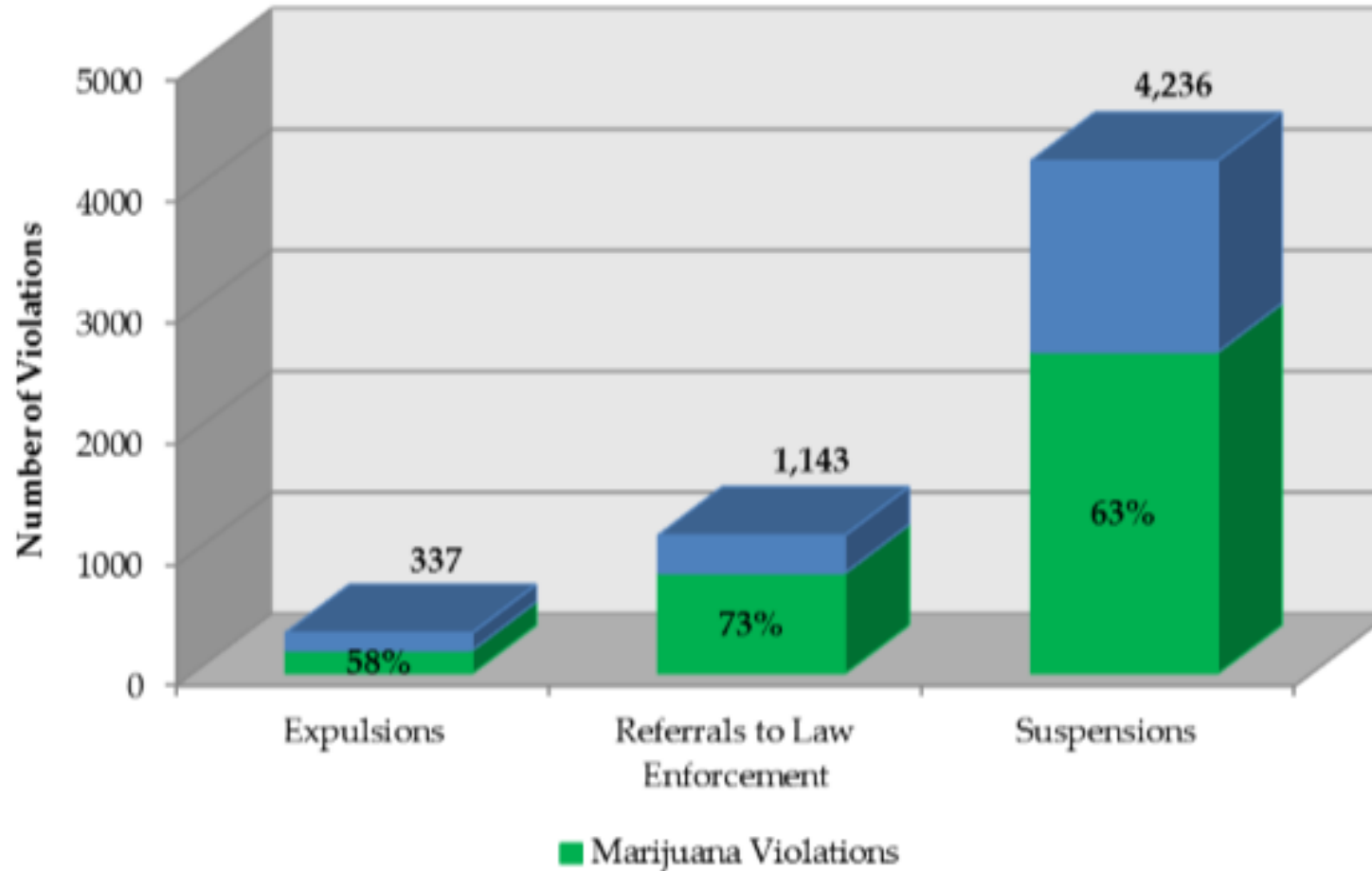
The adolescent brain is especially
susceptible to marijuana use

When kids use, they have a
greater chance of developing
addiction

Wagner, F.A. & Anthony, J.C. , 2002; Giedd. J. N., 2004
<http://www.drugabuse.gov/publications/research-reports/marijuana/marijuana-addictive>

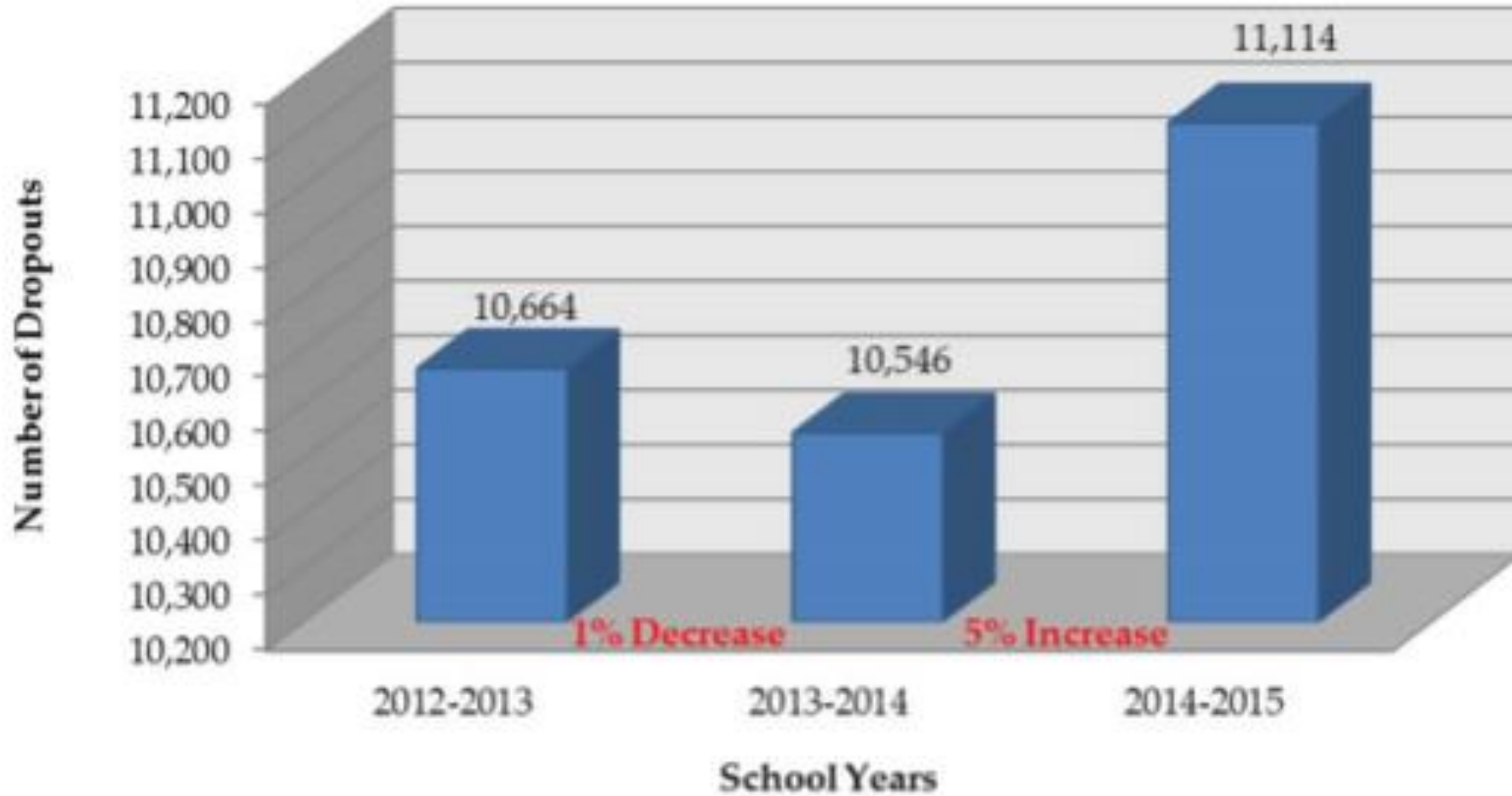
Data for the 2016-2017 school year were not available by the time of release for this report.

All Drug Violations, 2015-2016 School Year



SOURCE: Colorado Department of Education, 10-Year Trend Data: State Suspension and Expulsion Incident Rates and Reasons

Colorado School Dropouts



SOURCE: Colorado Department of Education

Association Between Level of Cannabis Use & Risk of Psychosis

- 571 references, 18 studies
- 66,816 individuals
- Higher levels of cannabis use were associated with increased risk for psychosis in all included studies
- Current evidence shows high levels of cannabis use increase the risk of psychotic outcomes
- Confirms a dose-response relationship between the level of use and risk for psychosis



Marconi.A et al. Meta-analysis of the Association Between the Level of Cannabis Use and Risk of Psychosis
Schizophrenia Bulletin 42(5):1262 – 1269. Feb 15, 2016 doi: 10.1093/schbul/sbw003

First Episode of Psychosis Due to High Potency Cannabis Use

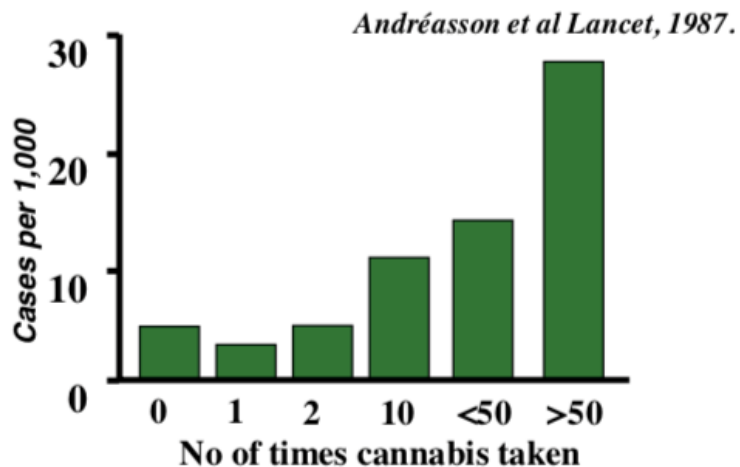
- Daily use of high potency marijuana increases psychosis risk 5x
- Weekend use nearly triples the risk
- High potency marijuana use alone was responsible for 24% of psychosis cases

M. DiForti, et al., Proportion of patients in south London with first episode of psychosis attributable to use of high potency cannabis: a case control study. *Lancet Psychiatry*. February 18, 2015

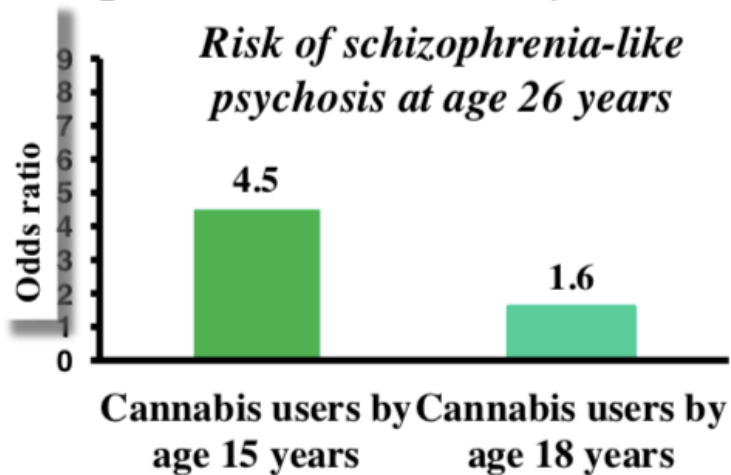
www.thelancet.com/psychiatry

Cannabis-Associated Psychosis

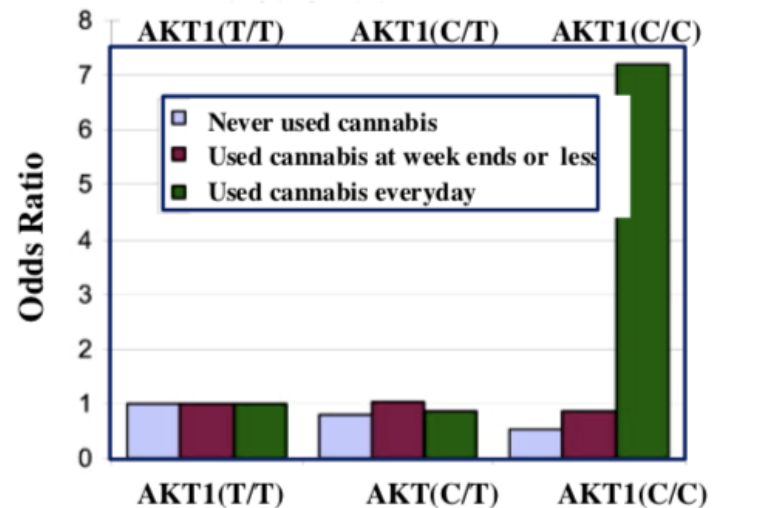
Study of Swedish Conscripts (n=45570)



Prospective Dunedin study (n=1037)

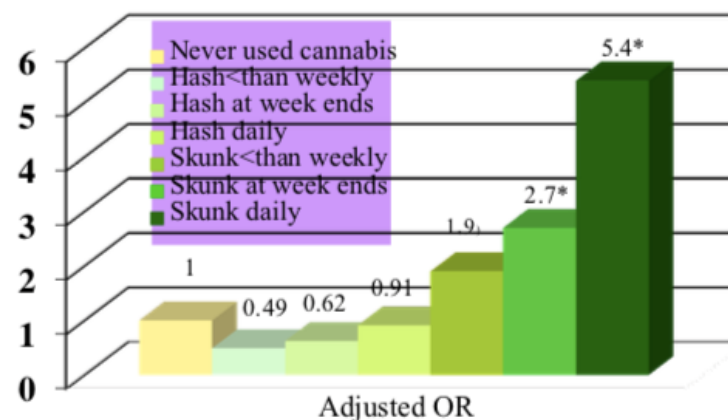


Regular Cannabis Use Increases Schizophrenia Risk in those with AKT1



GXE model: $p^*=0.014$
Di Forti et al., Biological Psychiatry, 2012.

Effect of High Potency Cannabis on Risk of Psychosis

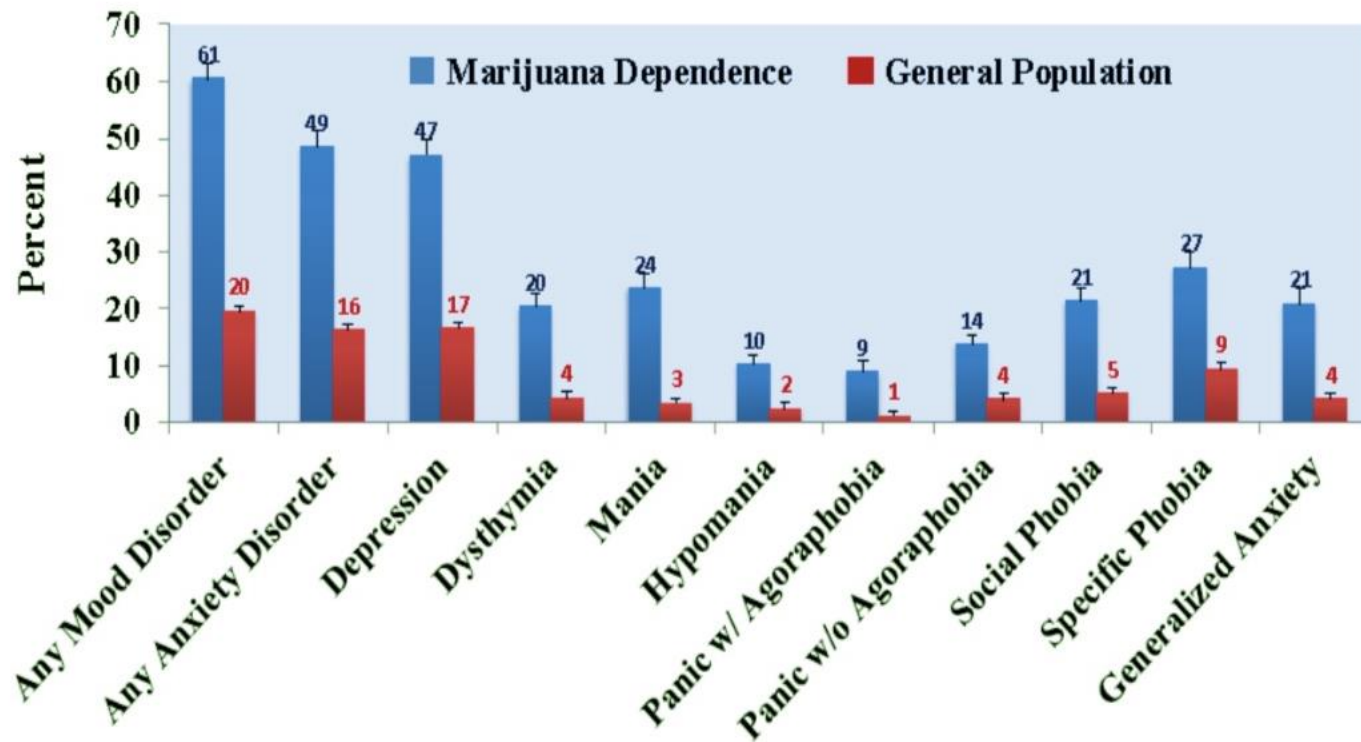


Arseneault et al BMJ 2002 Di Forti M et al.,
 The Lancet published online Feb 18, 2015

Mood & Anxiety Disorders

High Rates of Comorbid Mood & Anxiety Disorders Among Respondents with Marijuana Dependence (NESARC)

National Epidemiologic Survey on Alcohol & Related Conditions



Cannabis Use and Risk of Prescription Opioid Use Disorder in the United States

Mark Olfson, M.D., M.P.H., Melanie M. Wall, Ph.D., Shang-Min Liu, M.S., Carlos Blanco, M.D., Ph.D.

Objective: The authors sought to determine whether cannabis use is associated with a change in the risk of incident nonmedical prescription opioid use and opioid use disorder at 3-year follow-up.

Method: The authors used logistic regression models to assess prospective associations between cannabis use at wave 1 (2001–2002) and nonmedical prescription opioid use and prescription opioid use disorder at wave 2 (2004–2005) of the National Epidemiologic Survey on Alcohol and Related Conditions. Corresponding analyses were performed among adults with moderate or more severe pain and with nonmedical opioid use at wave 1. Cannabis and prescription opioid use were measured with a structured interview (the Alcohol Use Disorder and Associated Disabilities Interview Schedule–DSM-IV version). Other covariates included age, sex, race/ethnicity, anxiety or mood disorders, family history of drug, alcohol, and behavioral problems, and, in opioid use disorder analyses, nonmedical opioid use.

Results: In logistic regression models, cannabis use at wave 1 was associated with increased incident nonmedical prescription

opioid use (odds ratio=5.78, 95% CI=4.23–7.90) and opioid use disorder (odds ratio=7.76, 95% CI=4.95–12.16) at wave 2. These associations remained significant after adjustment for background characteristics (nonmedical opioid use: adjusted odds ratio=2.62, 95% CI=1.86–3.69; opioid use disorder: adjusted odds ratio=2.18, 95% CI=1.14–4.14). Among adults with pain at wave 1, cannabis use was also associated with increased incident nonmedical opioid use (adjusted odds ratio=2.99, 95% CI=1.63–5.47) at wave 2; it was also associated with increased incident prescription opioid use disorder, although the association fell short of significance (adjusted odds ratio=2.14, 95% CI=0.95–4.83). Among adults with nonmedical opioid use at wave 1, cannabis use was also associated with an increase in nonmedical opioid use (adjusted odds ratio=3.13, 95% CI=1.19–8.23).

Conclusions: Cannabis use appears to increase rather than decrease the risk of developing nonmedical prescription opioid use and opioid use disorder.

AJP in Advance (doi: 10.1176/appi.ajp.2017.17040413)



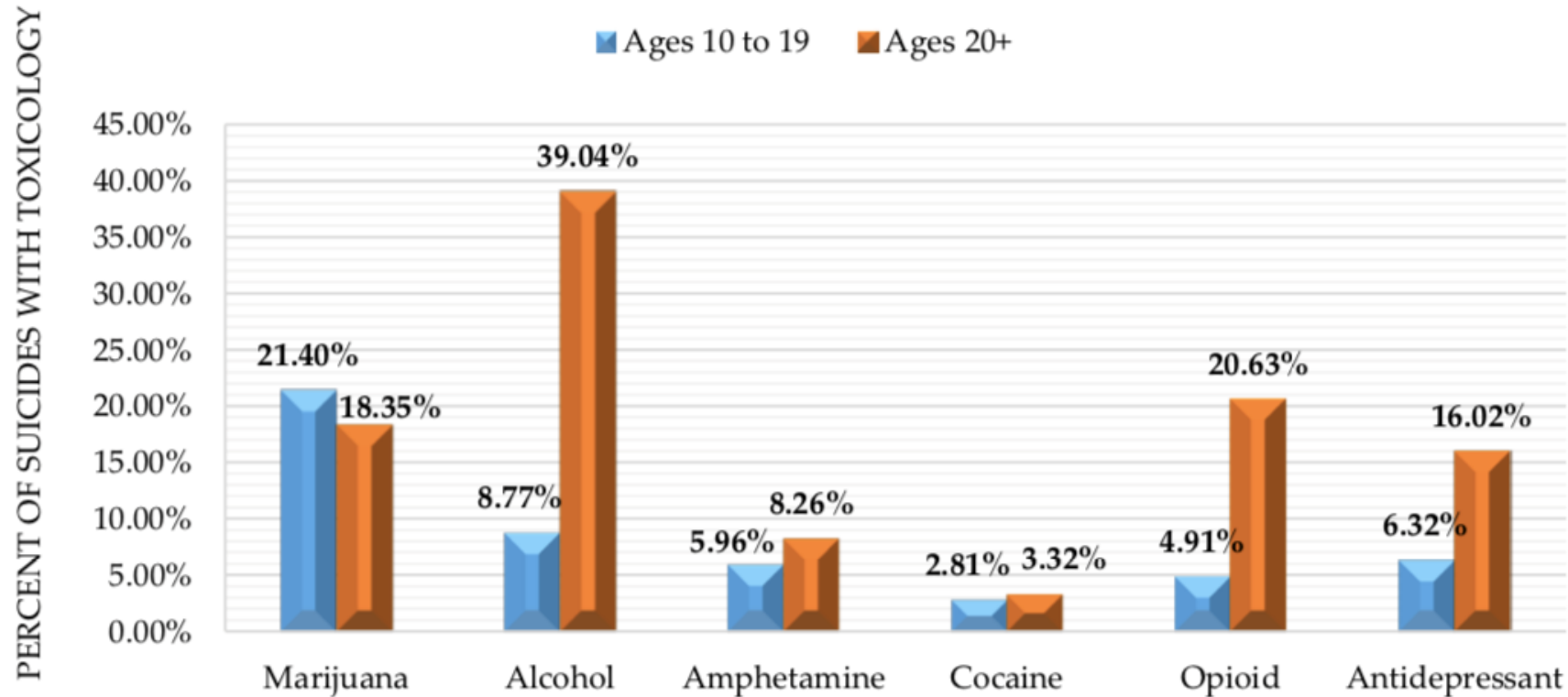
Opioid Deaths and Legalized Marijuana

Contrary to information that has been published, opioid/opiate deaths in Colorado have increased 33% since legalization of marijuana in 2013. Prescription opioid deaths decreased slightly in 2015 and 2016 but increased to 357 in 2017. Heroin deaths increased 93% from 2013 to 2016 but decreased 7% in 2017.

- Colorado Department of Public Health and Environment, Vital Statistics, 2018.



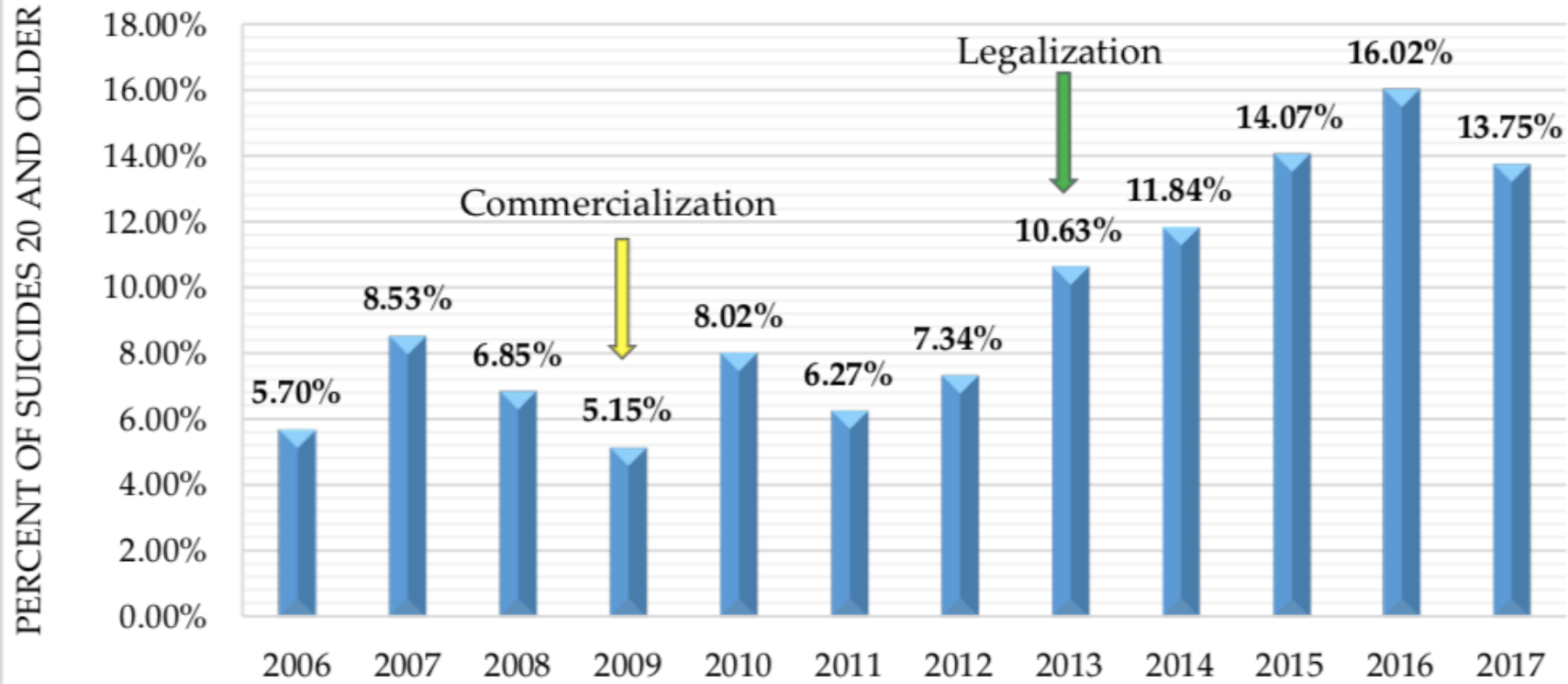
Average Suicide Toxicology Results by Age Group, 2013-2017*



*The average percent was taken out of all suicides with toxicology results

SOURCE: Colorado Department of Public Health and Environment (CDPHE), Colorado Violent Death Reporting System

Out of All Suicides Ages 20 and Older, The Percent Positive for Marijuana



SOURCE:

Colorado Department of Public Health and Environment (CDPHE), Colorado Violent Death Reporting System



MARIJUANA USE & EDUCATIONAL OUTCOMES

Studies show that marijuana interferes with attention, motivation, memory, and learning. Students who use marijuana regularly tend to get lower grades and are more likely to drop out of high school than those who don't use. Those who use it regularly may be functioning at a reduced intellectual level most or all of the time.

MOST MARIJUANA USE BEGINS IN
ADOLESCENCE



78%

of the 2.4 million people who began using in the last year were aged 12 to 20.¹

As perception of harm decreases...

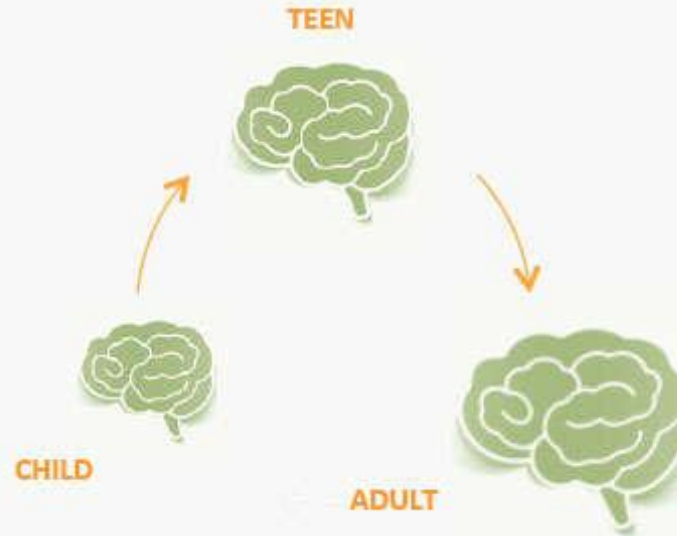


teen marijuana use increases.²

EVERY DAY,
3,287 TEENS
USE MARIJUANA
FOR THE
FIRST TIME¹

MARIJUANA MAY HURT THE DEVELOPING TEEN BRAIN

The teen brain is **still developing** and it is especially vulnerable to drug use.



↓ IQ

Regular heavy marijuana use by teens can lead to an IQ drop of up to **8 points**³

HEAVY MARIJUANA USE BY TEENS IS LINKED TO⁴:

Educational Outcomes



lower
grades and
exam scores



less likely
to graduate
from HS or
college



less likely
to enroll in
college

Life Outcomes



lower
satisfaction
with life



more
likely to be
unemployed



more likely to
earn a **lower**
income



National Institute
on Drug Abuse

1. NSDUH, SAMHSA, 2014; 2. MTF Survey; 3. Meier et al 2012; 4. MTF Survey; Cobb-Clark et al, 2013; Silins et al 2014; Tucker et al 2005; Homel et al, 2014; Volkow et al 2014; Fergusson and Boden 2008; Brooks et al 2013

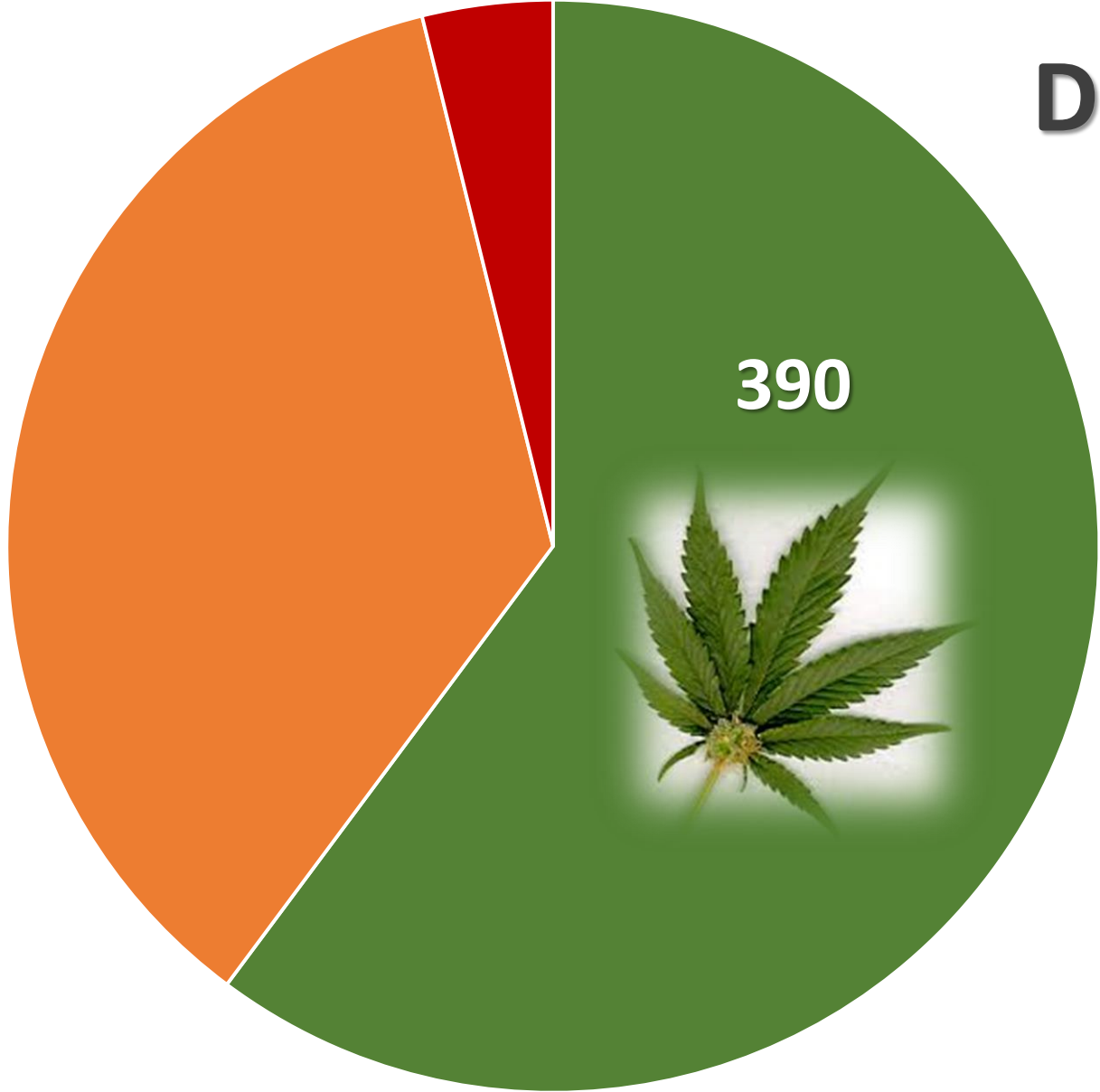
Denver, CO



25



233



■ Marijuana Businesses ■ Starbucks ■ McDonalds

“Gas & Grass” Station



STICKY BUDS

TRUST US, YOU'LL FEEL BETTER...

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



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!

NEW STORE NOW OPEN HAMPDEN & WADSWORTH

Freaky's

SMOKING & BOTTLES

Mon - Thurs 10am - 9pm
Fri & Sat 10am - 10pm
Sunday Noon - 6pm

YA-BA DAB-A DO!!!

20% OFF

PIPES

1ST PIERCING \$25
2ND PIERCING \$20
BRING A FRIEND FOR THE 2ND

BIRTHDAY of a LEGEND SALE

30% OFF GLASS

20% OFF EVERYTHING

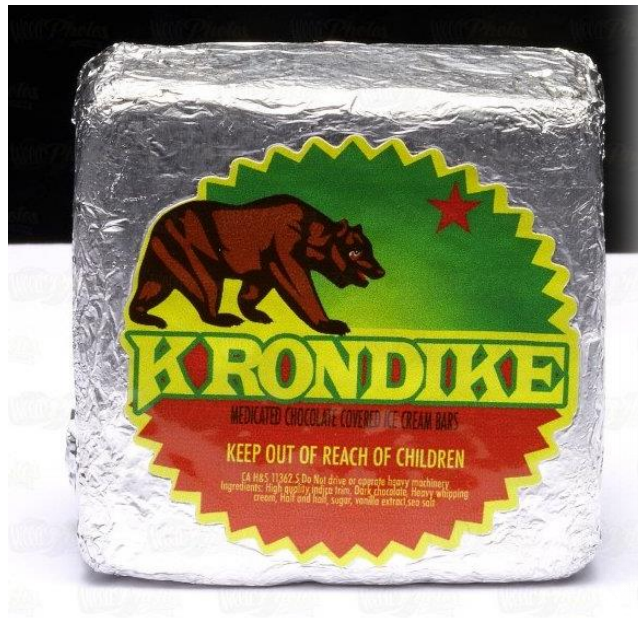
w/ MED CARD or STUDENT I.D.

Excludes some items

mile high glass with class!
pipe and tobacco

— 1144 Pearl St. 303-443-PIPE
— 3001 W. 74th Ave. 303-426-6343

Highlands Ranch — 7130 E. County Line Rd. 303
Denver — 2046 Arapahoe in LoDo 303



FREE Marijuana
 1/8th or edible of choice
 with Service Call on any appliance
 No Red Card needed. Must be 21 with valid CO ID.
 Cash only.

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4/20 DEALS ALL DAY

Stop by & Say High

FREE 1/8
 BUY ONE 1/8 & GET AN 1/8 FREE
 \$5 Grams & More



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 DENVER'S SOURCE FOR QUALITY

ST. PATTY'S SPECIAL:
\$17 1/8TH!

LIMIT ONE PER PERSON.
 MUST PRESENT COUPON.
 EXPIRES MARCH 31, 2019

OPEN VAPE SOLD HERE 

4 ITEMS FOR 420 = \$100
 VALID 4/18-4/21

Aggressive DUI and Criminal Defense.
 Free Consultation. Reasonable Rates. Call Heideman Poor at 303-975-6363
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Red Card District

FIVE MINUTES of courage

FREE DAB!

*NO PURCHASE
NECESSARY*

BOGO PIPES
12K MASTERCASE 280

Go Blow's Glass

11505 W. COLFAX AVE IN LAKEWOOD



LOOK LIKE
BARBIE
SMOKE LIKE
MARLEY



for sale

- general
- jewelry
- + show 40 more
- + deselect all

owner dealer

- search titles only
- has image
- posted today

price min max

reset search

- safety tips
- prohibited items
- product recalls
- avoiding scams

marijuana delivery

★ Apr 13 make big money with your own marijuana delivery his start today earn\$\$ \$75 (co) general - by owner

★ Mar 24 CannaCouture :) jewelry - by owner


Few LOCAL results found. Here are some from NEARBY areas

\$10



★ Apr 17 medical quality marijuana-delivery \$10 (Lafyt/Bimfd/Lousvl/Superior/Erie) health and beauty - by dealer

\$10



★ Apr 17 medical marijuana for retail w/delivery \$10 (Blid/Lngmnt/erie/lafyt/bimfd/lousvl) health and beauty - by dealer



★ Apr 17 KINGWEEDY (PROFESSIONAL MARIJUANA DELIVERY) health and beauty - by owner

\$75



★ Apr 16 got a bike and love to smoke marijuana than start a marij delivery com! \$75 (denver) general - by owner

\$1



★ Apr 18 SALE ON STH'S TOP SHELF MEDICAL MARIJUANA WAX SHATTER FREE DELIVERY!! \$1 (BOULDER) health and beauty - by owner

\$1



★ Apr 18 SALE ON STH'S TOP SHELF MEDICAL MARIJUANA WAX SHATTER FREE DELIVERY!! \$1 (BOULDER) health and beauty - by owner



★ Apr 11 Marijuana with Delivery 21 and over only (delivery) health and beauty - by owner

\$1



★ Apr 16 Free marijuana with donation 24-7 delivery free \$1 (denver metro area) health and beauty - by owner

\$100



★ Apr 16 free marijuana ounce delivery \$100 (Denver) health and beauty - by owner

\$1



★ Apr 7 Free marijuana with donation 24-7 delivery \$1 (denver metro area) health and beauty - by dealer

\$30




★ Apr 16 Donate 30 = Free Eighth of Top Shelf Marijuana \$30 (Art District) health and beauty - by dealer

\$30



★ Apr 16 FREE MARIJUANA!!! \$30 (Denver / Surrounding) health and beauty - by owner

\$40



★ Apr 18 Home Gardener Has A Little Extra Produce, Delivery Available \$40 (NW Metro) health and beauty - by owner



★ Apr 17 Best Marijuana health and beauty - by dealer

\$30




★ Apr 17 Donate 30 = Free Eighth of Top Shelf Marijuana \$30 (Art District) health and beauty - by dealer

\$30



★ Apr 17 Donate 30 = Free Eighth of Top Shelf Marijuana \$30 (Art District) health and beauty - by dealer

\$40



★ Apr 17 Home Gardener Has A Little Extra Produce, Delivery Available \$40 (NW Metro) health and beauty - by owner

\$30



★ Apr 16 Donate 30 = Free Eighth of Top Shelf Marijuana \$30 (Art District) health and beauty - by dealer

\$30



★ Apr 16 Donate 30 = Free Eighth of Top Shelf Marijuana \$30 (Art District) health and beauty - by dealer



★ Apr 18 KING WEEDY (PROFESSIONAL DELIVERY SERVICE) health and beauty - by owner



★ Mar 20 Marijuana Delivery 21 and over only (delivery) health and beauty - by dealer

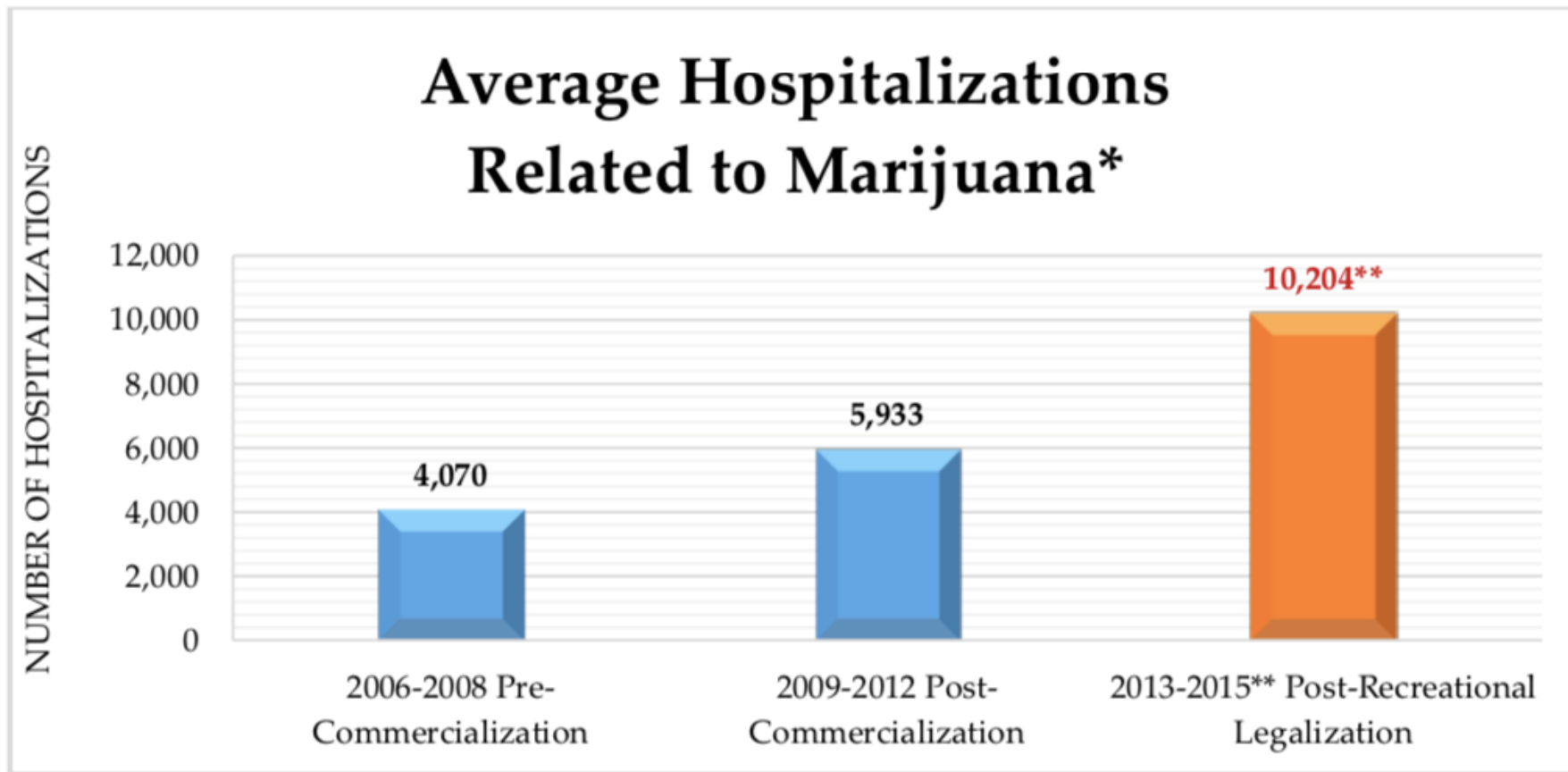




Home Grow Operations

- No inspections for molds, pesticides, contaminants, etc.
- No established safety standards
- Undercuts the tax scheme
- “Free gift” loopholes



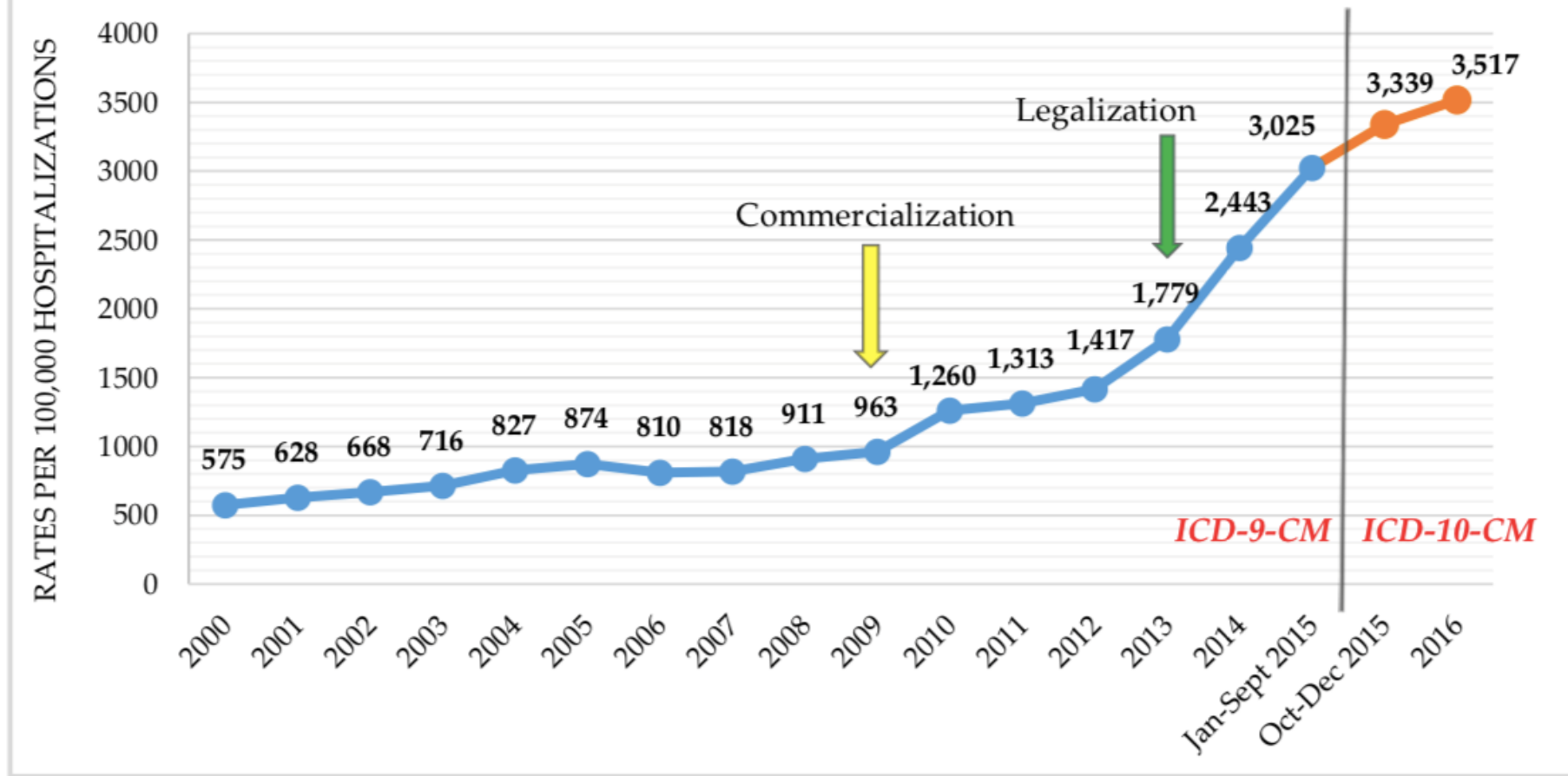


*Hospitalization Visits with Possible Marijuana Exposures, Diagnoses, or Billing Codes

**Only 9 months of comparable 2015 data, see ICD definition on page 36

SOURCE: Colorado Hospital Association, Hospital Discharge Dataset. Statistics prepared by the Health Statistics and Evaluation Branch, Colorado Department of Public Health and Environment

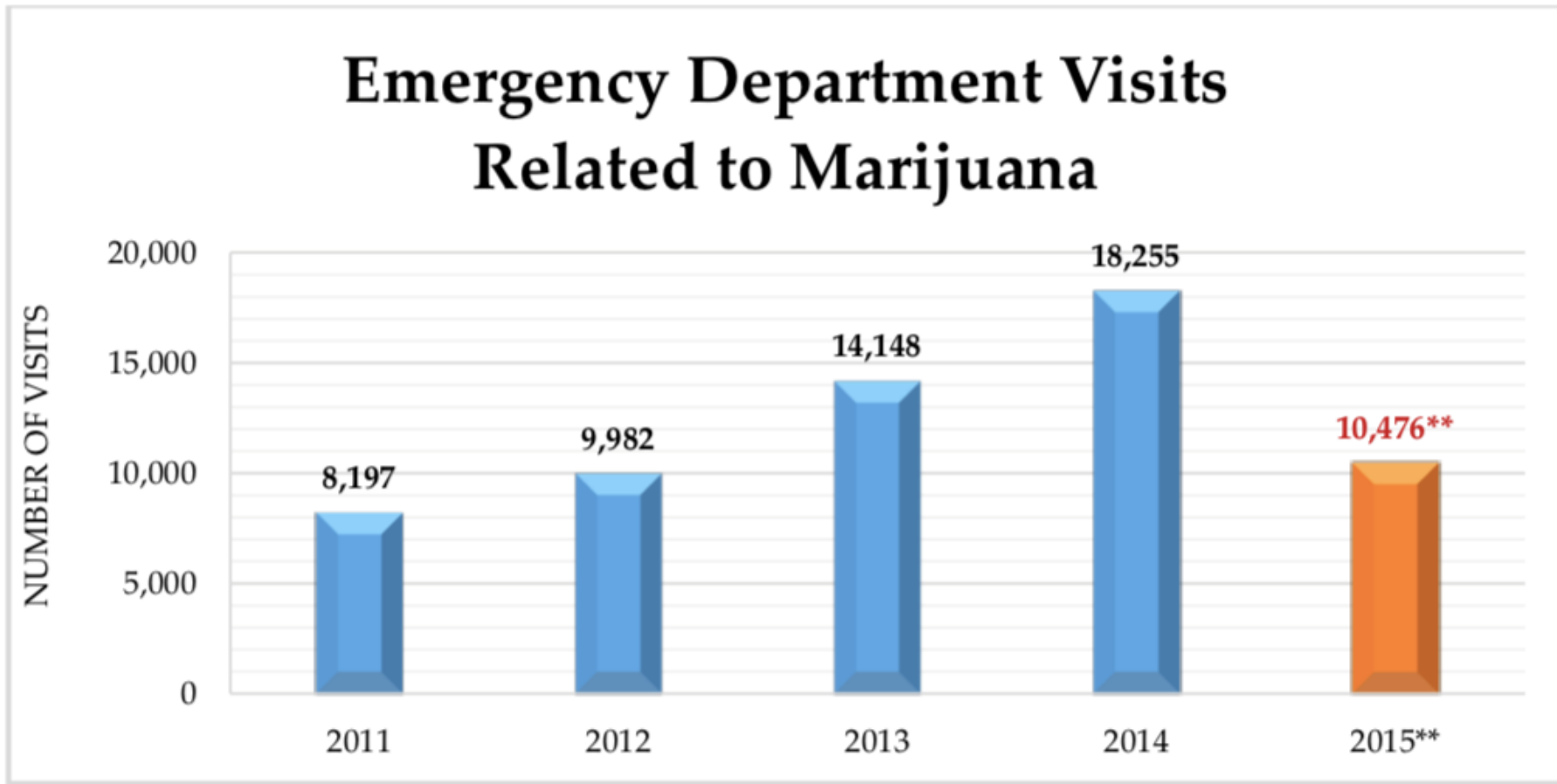
Hospitalization Rates Related to Marijuana*



*Rates of Hospitalization (HD) Visits with Possible Marijuana Exposures, Diagnoses, or Billing Codes per 100,000 HD visits by Year in Colorado

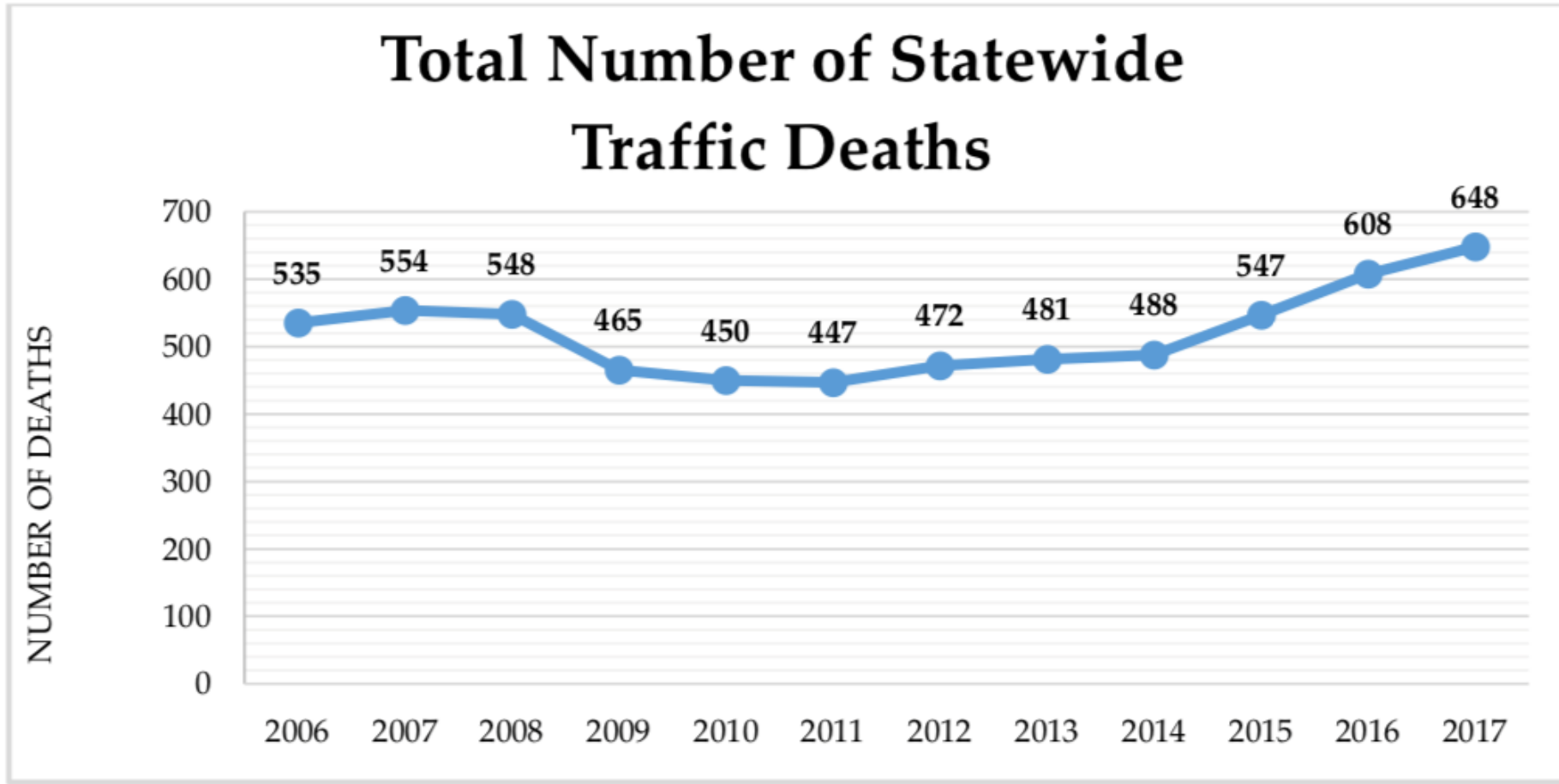
SOURCE: Marijuana Health Monitoring and Research Program, Colorado Department of Public Health and Environment





****Only 9 months of comparable 2015 data, see ICD definition on page 36**

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



SOURCE: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS), 2006-2011 and Colorado Department of Transportation 2012-2017

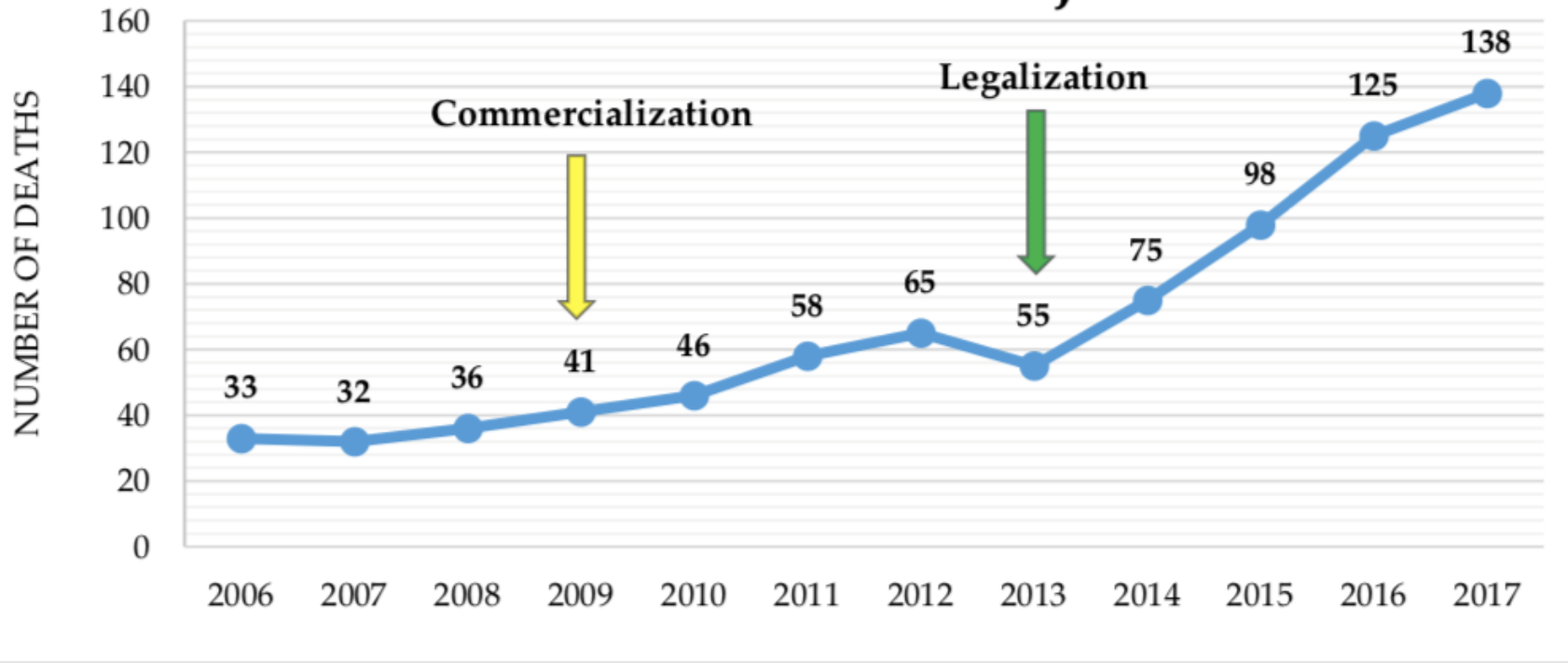


Traffic Deaths Related to Marijuana When a DRIVER Tested Positive for Marijuana

Crash Year	Total Statewide Fatalities	Fatalities with <u>Drivers</u> Testing Positive for Marijuana	Percentage Total Fatalities
2006	535	33	6.17%
2007	554	32	5.78%
2008	548	36	6.57%
2009	465	41	8.82%
2010	450	46	10.22%
2011	447	58	12.98%
2012	472	65	13.77%
2013	481	55	11.43%
2014	488	75	15.37%
2015	547	98	17.92%
2016	608	125	20.56%
2017	648	138	21.30%

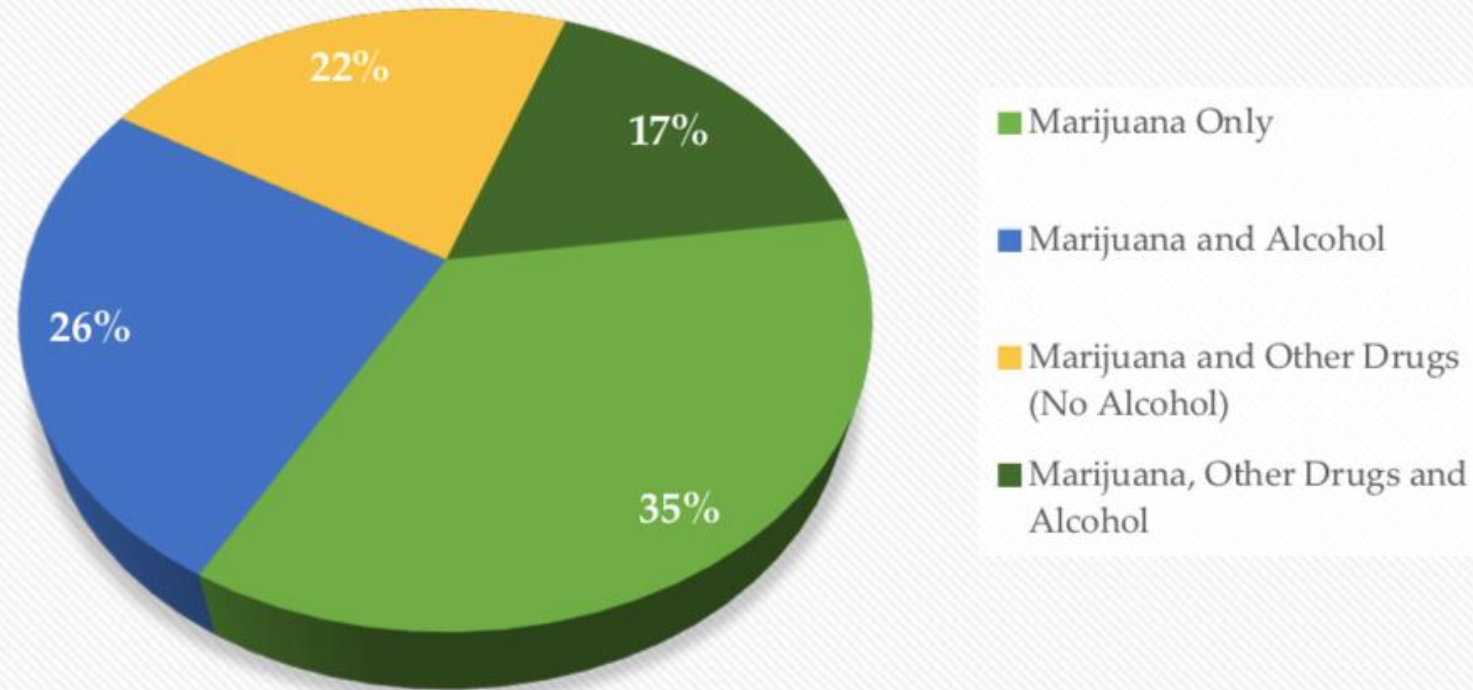
SOURCE: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS), 2006-2011 and Colorado Department of Transportation 2012-2017

Traffic Deaths Related to Marijuana when a Driver Tested Positive for Marijuana



SOURCE: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS), 2006-2011 and Colorado Department of Transportation 2012-2017

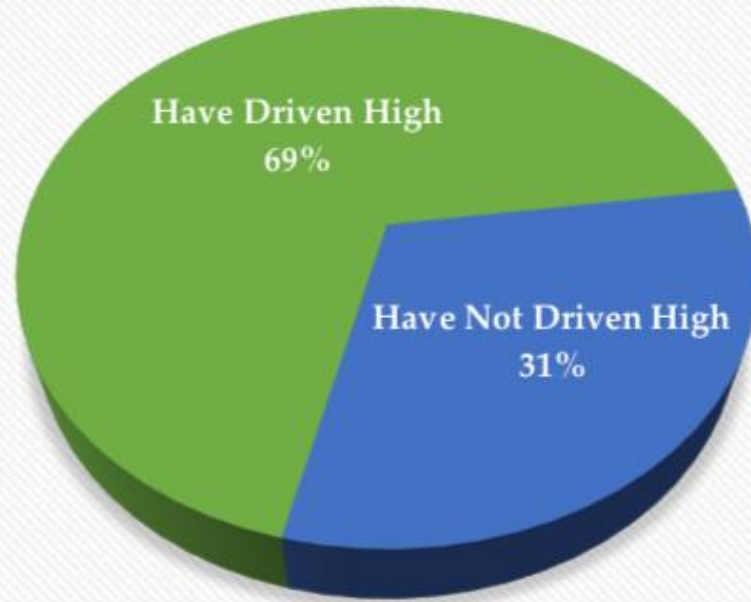
Drug Combinations for Drivers Positive for Marijuana*, 2017



*Toxicology results for all substances present in individuals who tested positive for marijuana

SOURCE: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS), 2006-2011 and Colorado Department of Transportation 2012-2017

Percentage of Marijuana Users Who Admit to Driving High within the Last Year

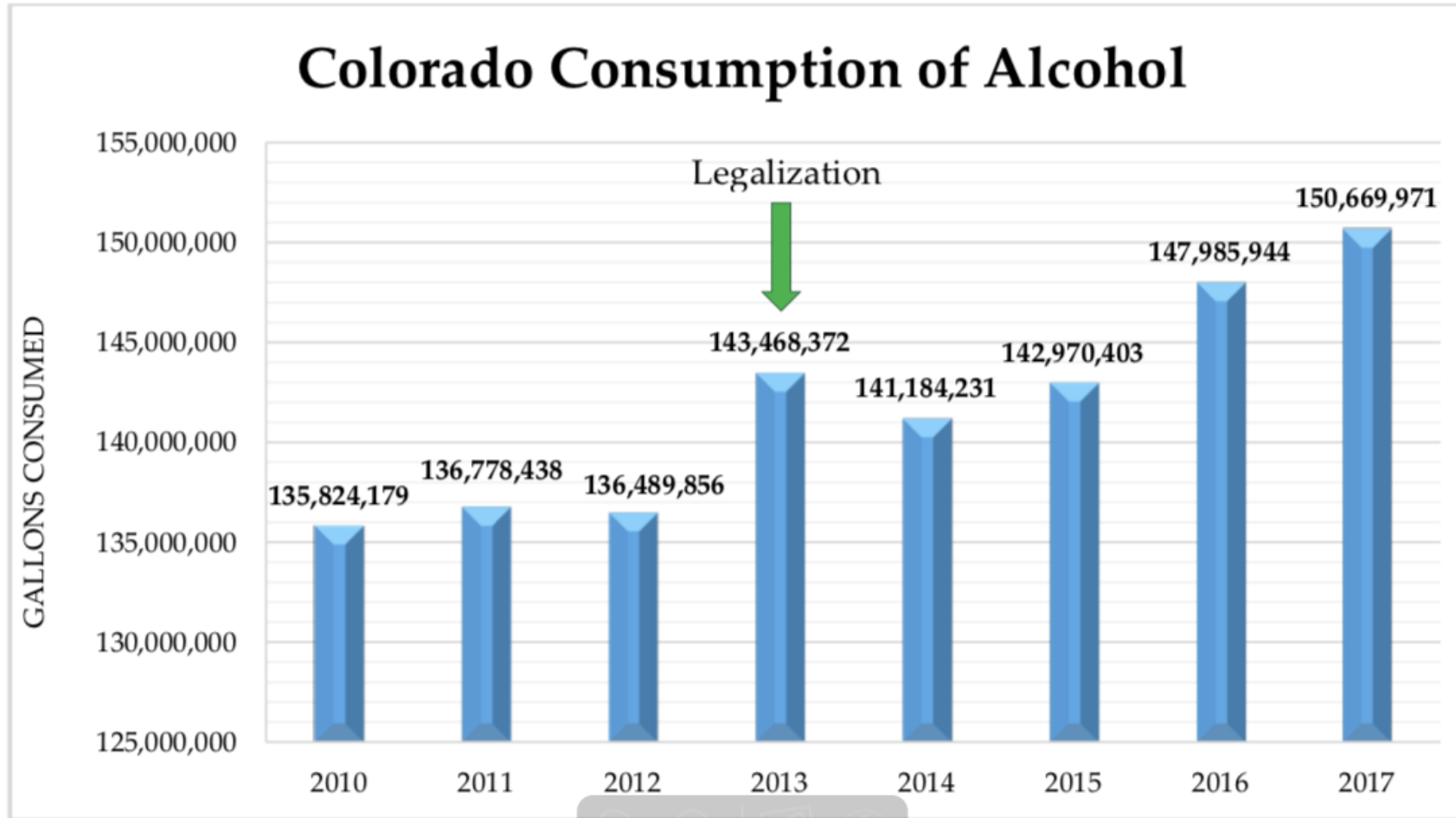


The Colorado Department of Transportation (CDOT) collected survey responses from over 11,000 anonymous marijuana users and non-users.

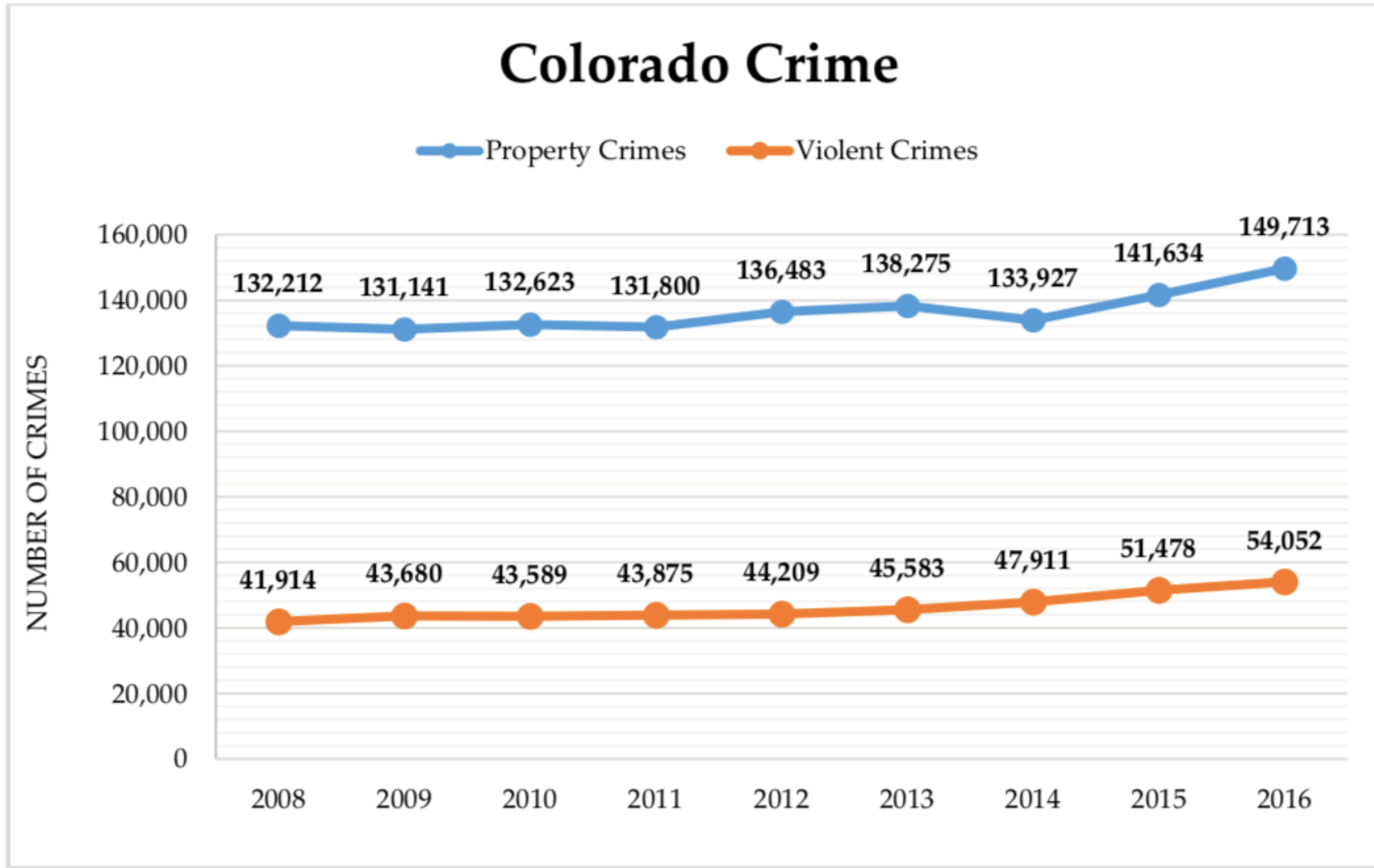
The above data is part of the preliminary data released by CDOT in April of 2018.

SOURCE: Colorado Department of Transportation, *Cannabis Conversation Survey*

- ❖ It has been suggested that legalizing marijuana would reduce alcohol consumption. Thus far that theory is not supported by the data.



SOURCE: Colorado Department of Revenue, Colorado Liquor Excise Tax



SOURCE: Colorado Bureau of Investigation, <http://crimeinco.cbi.state.co.us/>





Lena Howland ✓

@LenaHowland

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Monument PD says this is the biggest pot bust they've ever seen but it's a reminder that crime can happen anywhere @KOAA



Wei Lin



Monument Police seized 153 marijuana plants from a home Thursday evening in what they're calling the biggest illegal grow operation the department has ever seen.

The bust happened in the basement of a home in the 2000 block of Coyote Valley Court. The grow operation was discovered last week when fire crews responded to reports of smoke coming from the home. Fire crews found the grow operation and reported it to police.

Police tell News 5 more than \$150,000 worth of marijuana was seized from the "sophisticated" grow operation.

The homeowners were arrested and charged as follows:

- Mr. Wei Lin (DOB 5/13/86), Offenses Relating to Marijuana, Unlawful Cultivation (Drug Felony 3)
- Mrs. Fang Qin Liu, Accessory to Crime (Felony 5)

“In working-class neighborhoods like Elyria-Swansea, Globeville and Northeast Park Hill there’s a growing sense among residents that they have been overrun by a new drug trade, legal but noxious all the same.”

In Elyria-Swansea alone, more than three dozen businesses are licensed to grow and sell marijuana and another dozen companies manufacture edible pot products.”



Getty Images

WHAT WORKS

The Marijuana Industry’s War on the Poor

Denver’s booming pot industry may be trendy, but it’s giving poorer neighborhoods a headache.

By JON MURRAY | May 19, 2016

Take a stroll past the gray stucco-clad building in northeast Denver and it’s not hard to figure out what’s going on behind the bright green doors. On a recent afternoon, outside Green Fields Cannabis Co., a sweetly pungent, slightly skunky odor filled the air before a light rain began to rinse it away. Just a block south on Brighton Boulevard, past a salvage yard and a Mexican grocery, the smell of what’s growing inside Starbuds is sometimes noticeable before you arrive in front of the medical and recreational marijuana chain’s original location. Even drivers whizzing by on Interstate 70 catch a heady whiff of Denver’s hottest new product as they zip across town.

But they don’t have to live here.

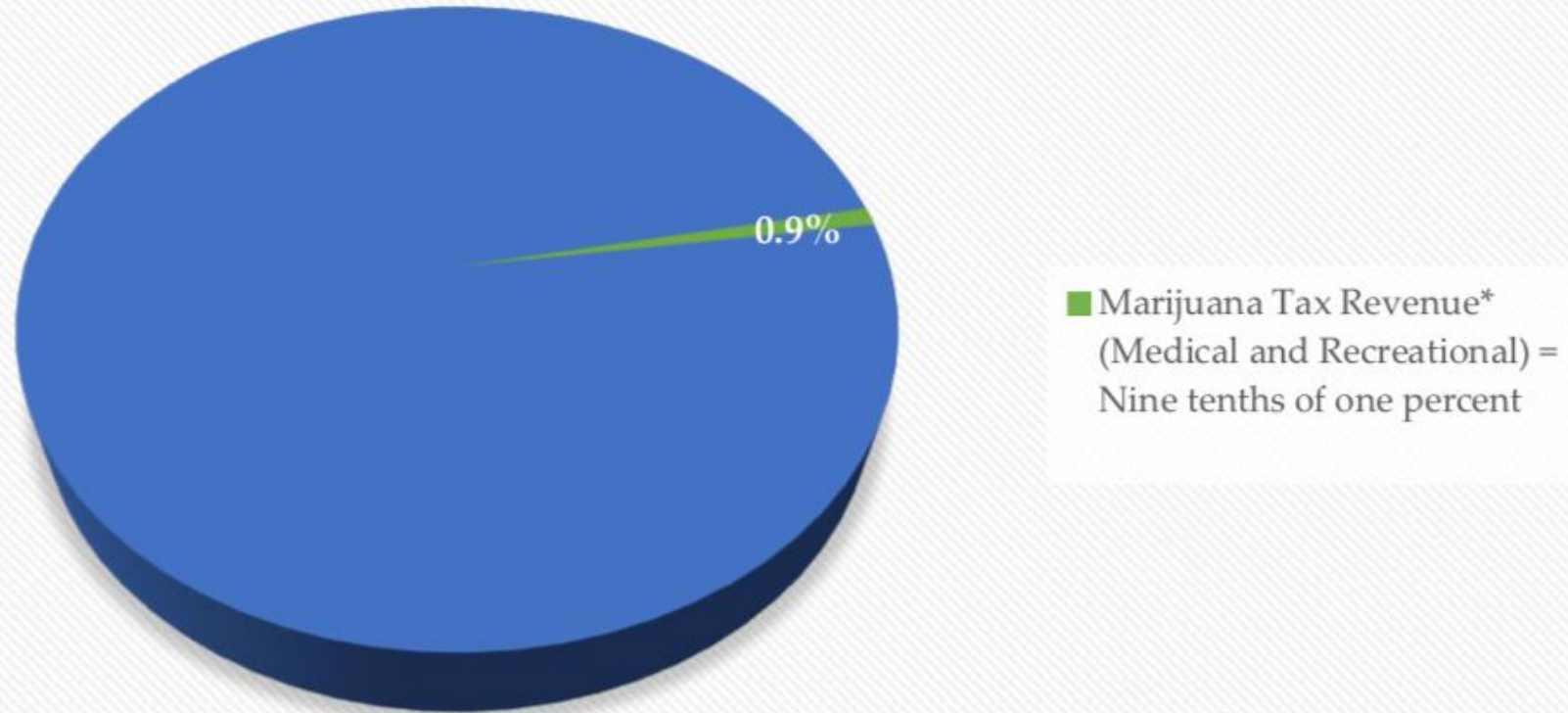
Massive amounts of homeless are known as “Marijuana Refugees”





Tax Revenue

Colorado Statewide Budget FY 2017



*Revenue from marijuana taxes as a portion of Colorado's total statewide budget

SOURCE: Governor's Office of State Planning and Budgeting



FIVE MINUTES
of courage
marijuana facts

Exploring the Outcomes of Marijuana Use in Colorado

