

Marijuana Impact: *The Collateral Damages*



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Strategic Intelligence Analyst

**Rocky Mountain High Intensity
Drug Trafficking Area (RMHIDTA)**

Outline

- ⦿ Drug Policy 101
- ⦿ Arguments For and Against Legalization
- ⦿ Marijuana Impact: Collateral Damages

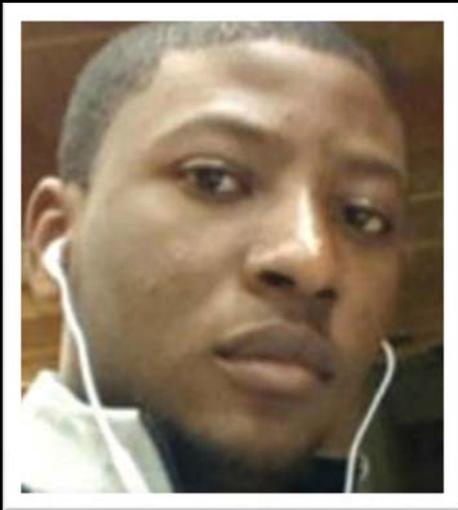
Drug Policy 101

Has the “War”
on Drugs Been
a Failure?

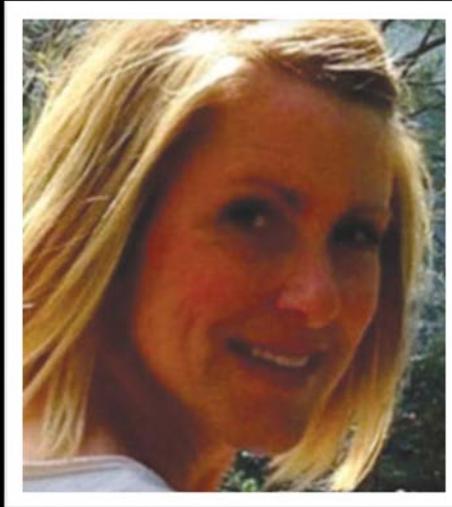
Background

- **Purpose of Drug Policy**
 - Limit the number of people using drugs
- **Victims of crime**
 1. User
 2. Family/Friends
 3. Victim of Crime
 4. Taxpayers

Marijuana Related Deaths



**Levy Thamba Pongi
(Denver, CO)**



**Kristine Kirk
(Denver, CO)**



**Luke Goodman
(Keystone, CO)**

Question

What are the factors that affect the rate of drug use?



Drug Use

1. Price
2. Availability
3. Perception of Risk
4. Public Attitude

The Issue

What is success?

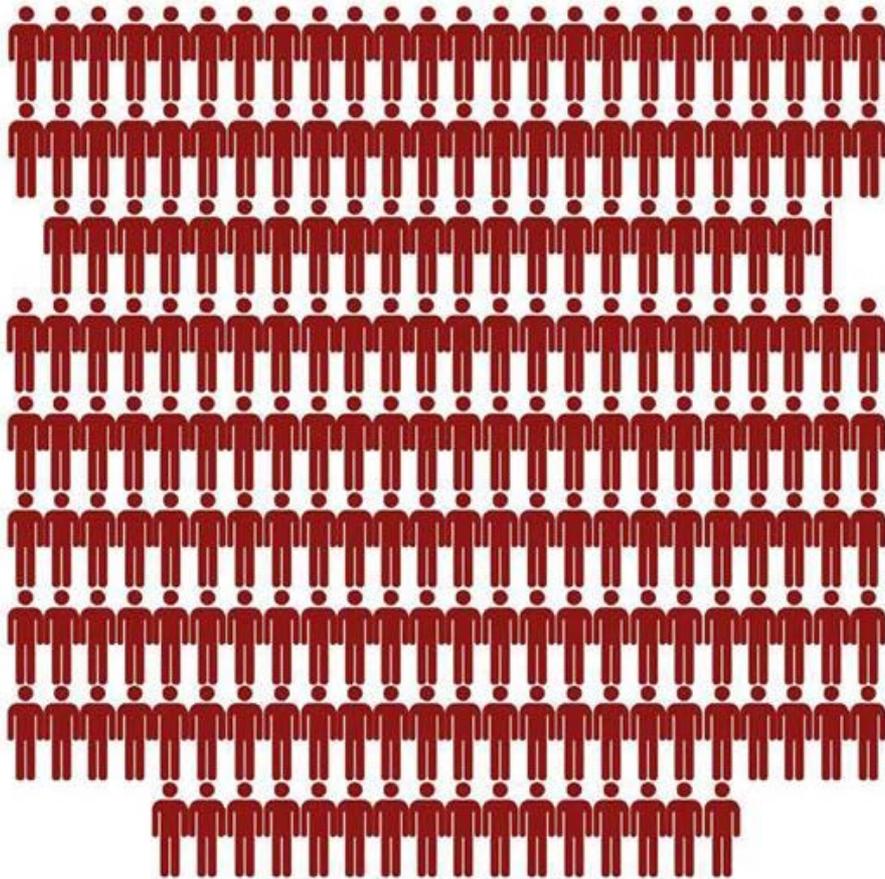
The Issue

2013 and 2014 National Survey on Drug Use

- Americans age 12 and older (past month):
 - ✓ 10% used illegal drugs
 - ✓ 25% used tobacco
 - ✓ 52% used alcohol

The Issue

Alcohol and Tobacco



Marijuana, 19 million

Heroin, Meth, Crack,
Hallucinogens,
Cocaine, Tranquilizers,
Pain Relievers and
Marijuana



Arguments FOR Legalization

- ◉ Eliminate arrests for possession and sale
- ◉ Free up law enforcement resources
- ◉ Reduce traffic fatalities
- ◉ No increase in use, even among youth
- ◉ Added revenue generated through taxation
- ◉ Reduce profits for the drug cartels trafficking marijuana

Arguments AGAINST Legalization

Increases in:

- ⊙ Marijuana related traffic fatalities
- ⊙ Use among youth and adults
- ⊙ People in drug treatment
- ⊙ Diversion for unintended purposes
- ⊙ Impacts and costs for public health and safety



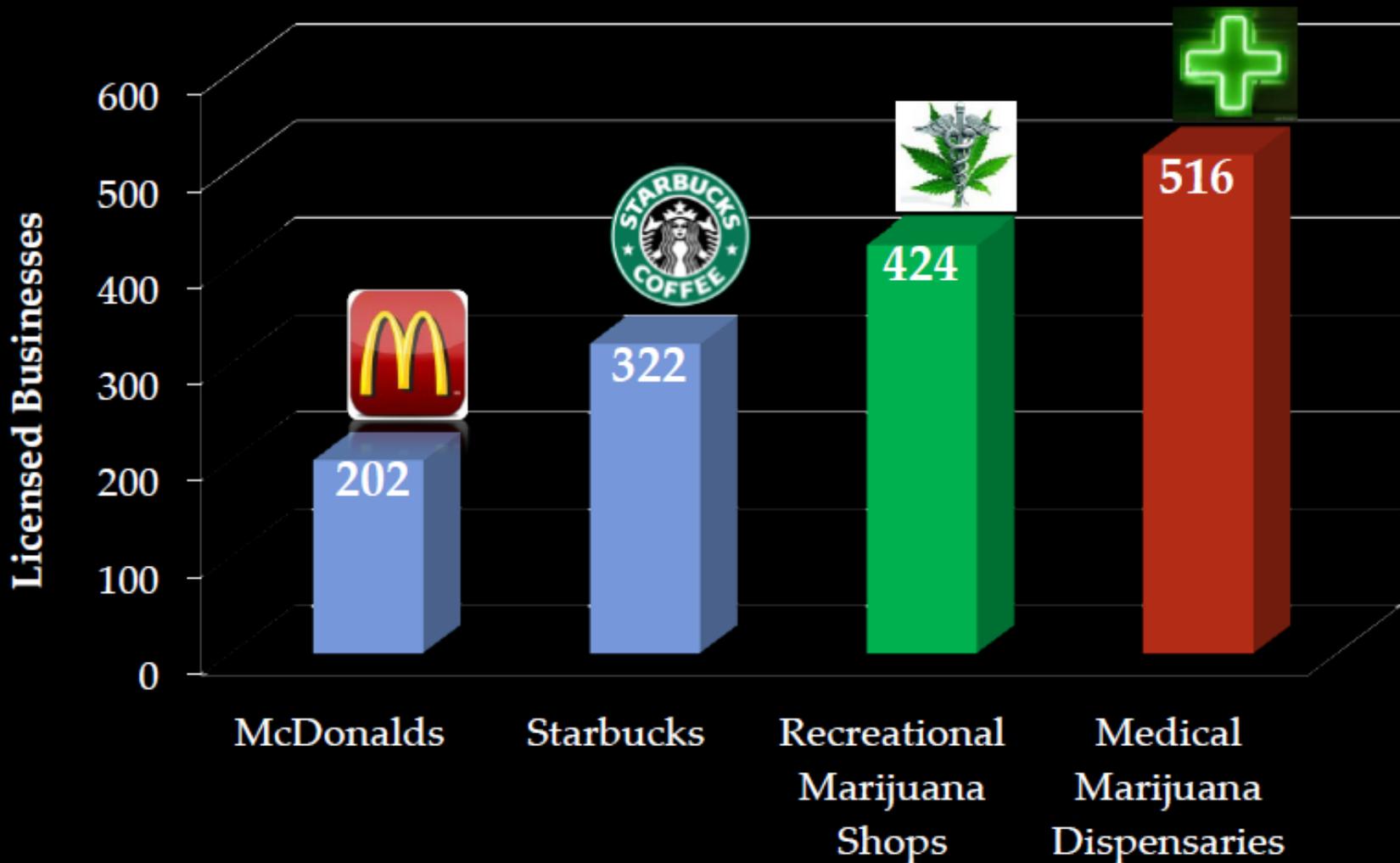


Familiar?

Familiar?



Perspective: Colorado



Impact

What Does the Data Say?



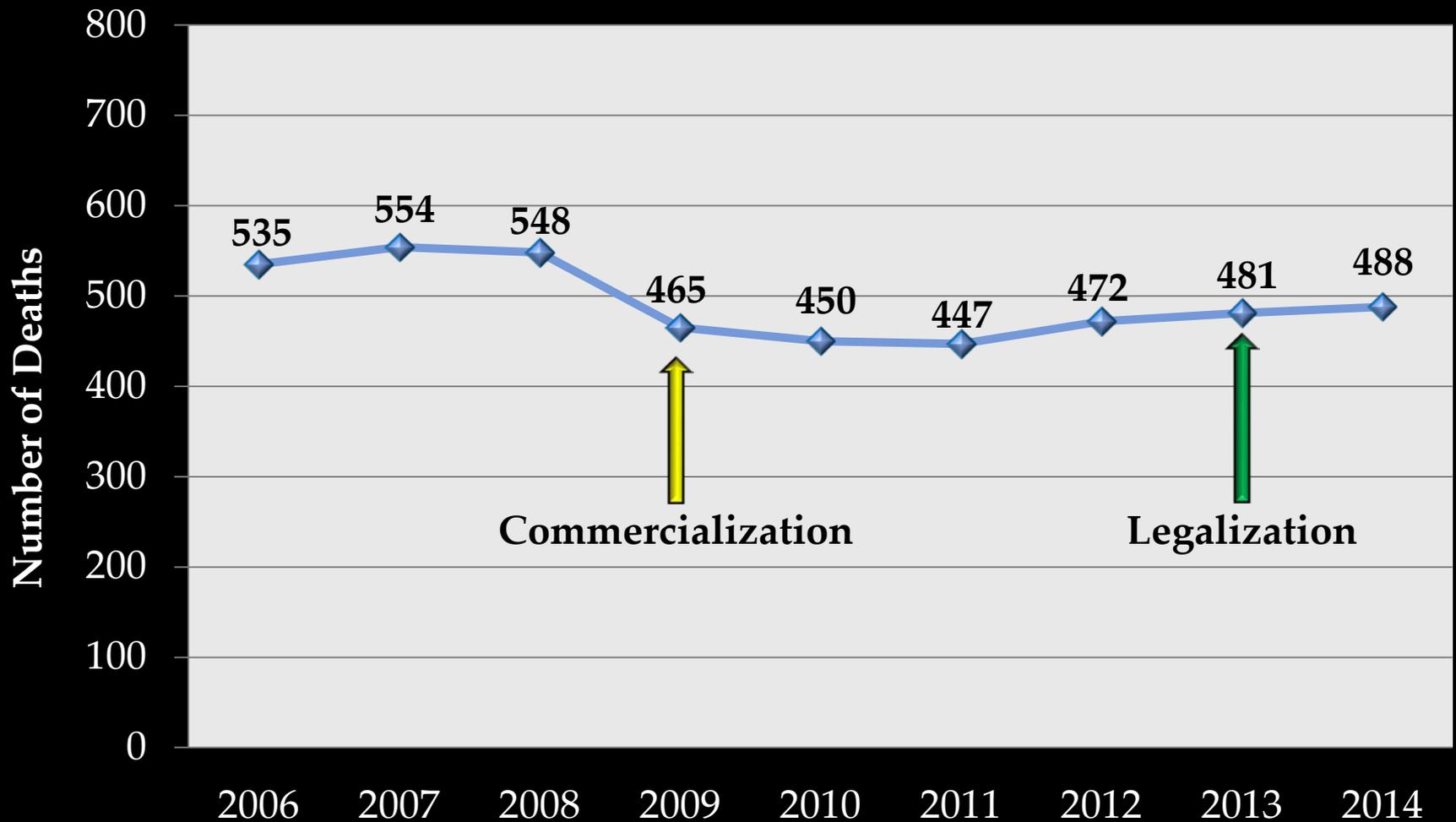
Comparison Dates

- 2006 – 2008: Early Medical Marijuana Era
 - 1,000 – 4,800 cardholders and 0 known dispensaries
- 2009 – 2012: Medical Marijuana Commercialization and Expansion Era
 - 108,000 cardholders and 532 licensed dispensaries
- 2013 – Present: Medical Marijuana Commercialization and Recreational Marijuana Era

Impaired Driving - Fatalities

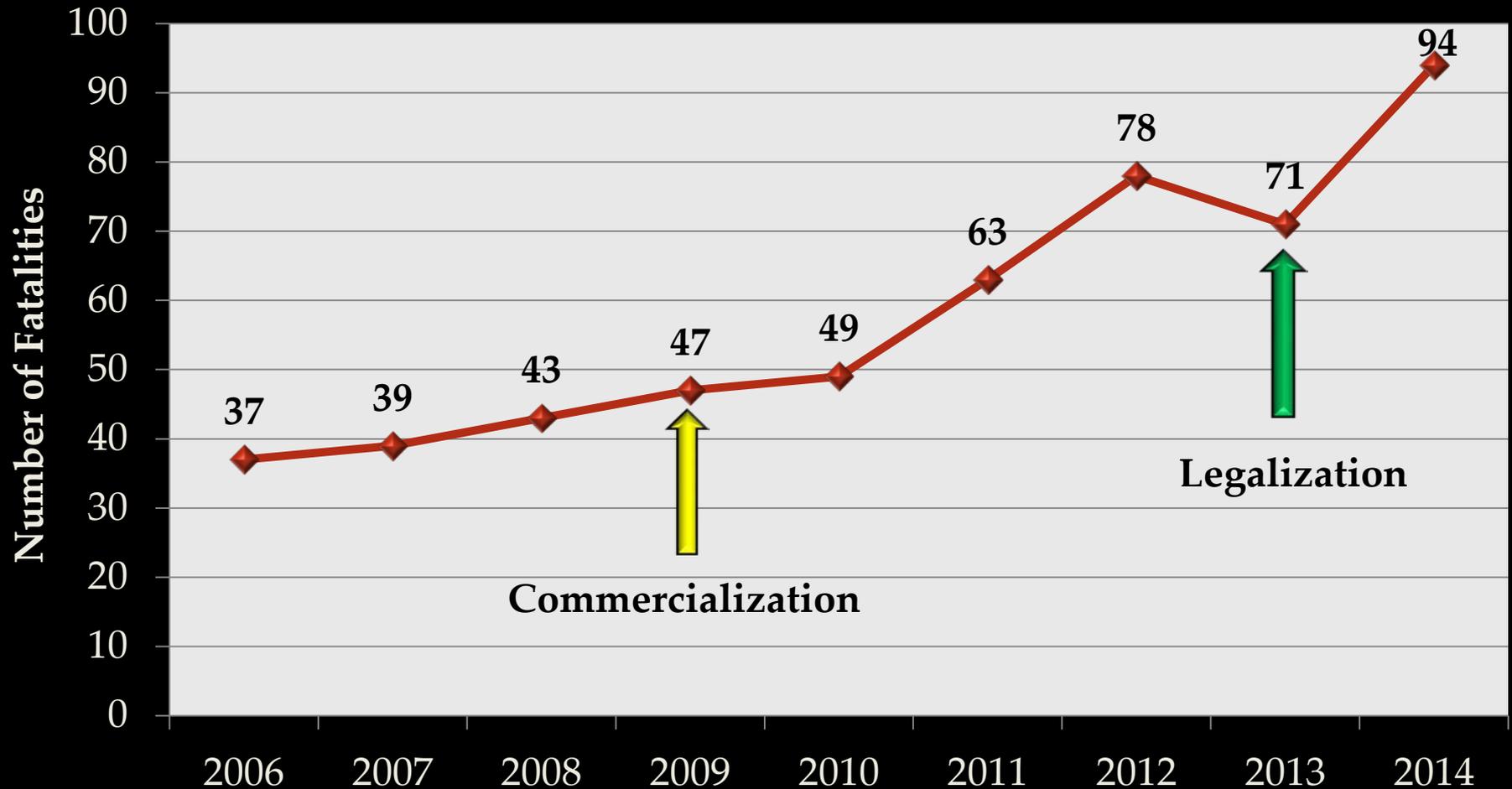


Total Number of Statewide Traffic Deaths

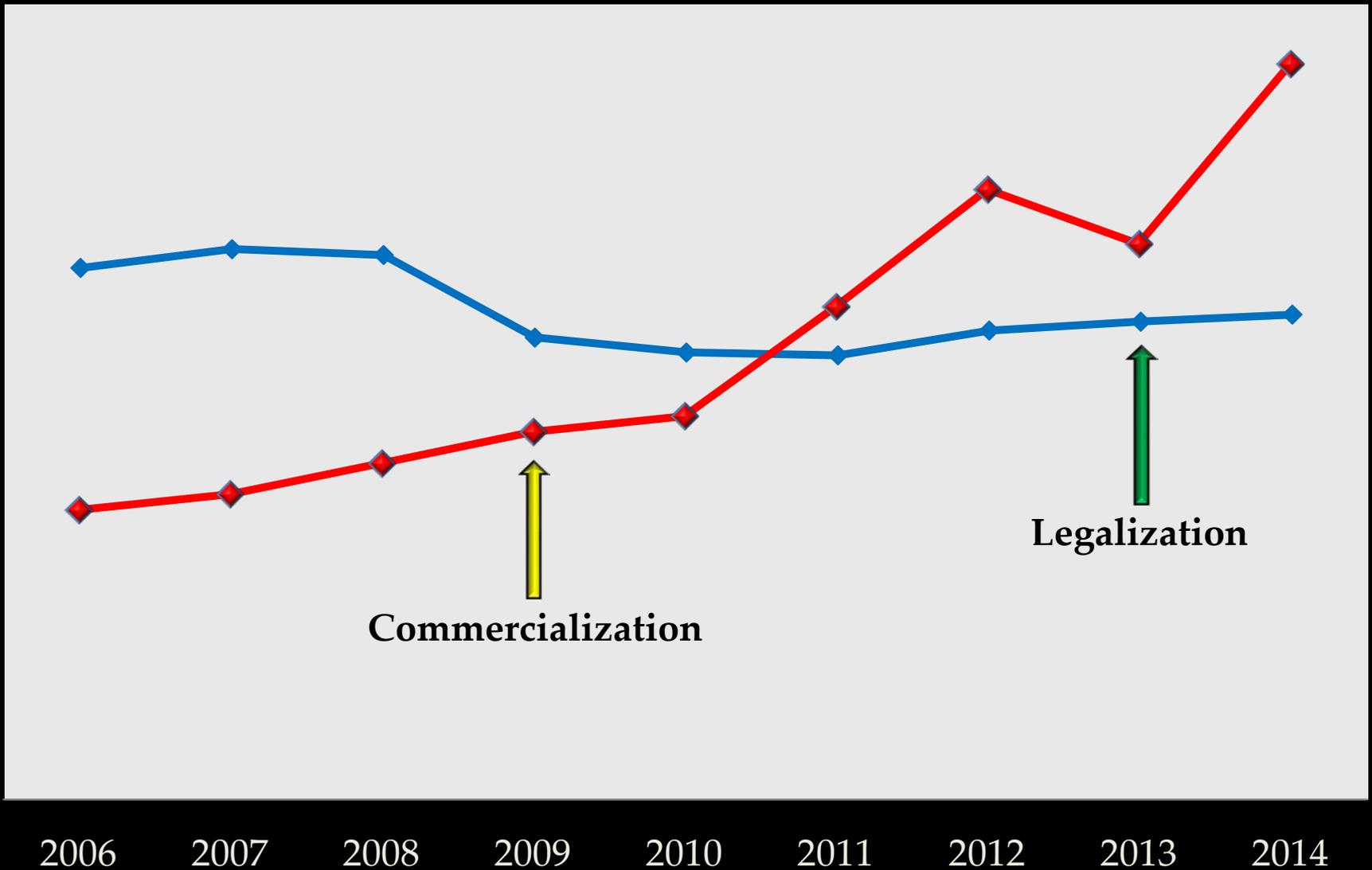


SOURCE: Fatality Analysis Reporting System (FARS)

Traffic Deaths Related to Marijuana

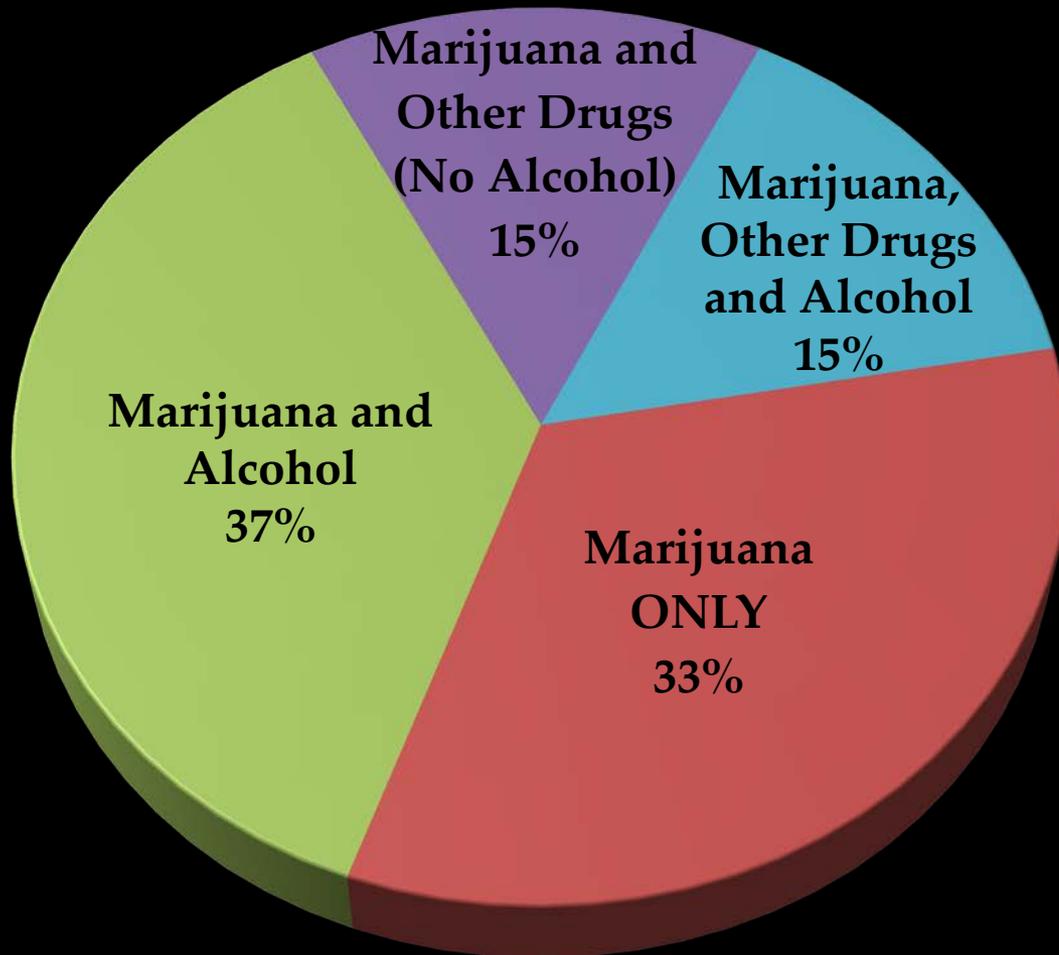


Total Traffic Deaths vs Traffic Deaths Related to Marijuana

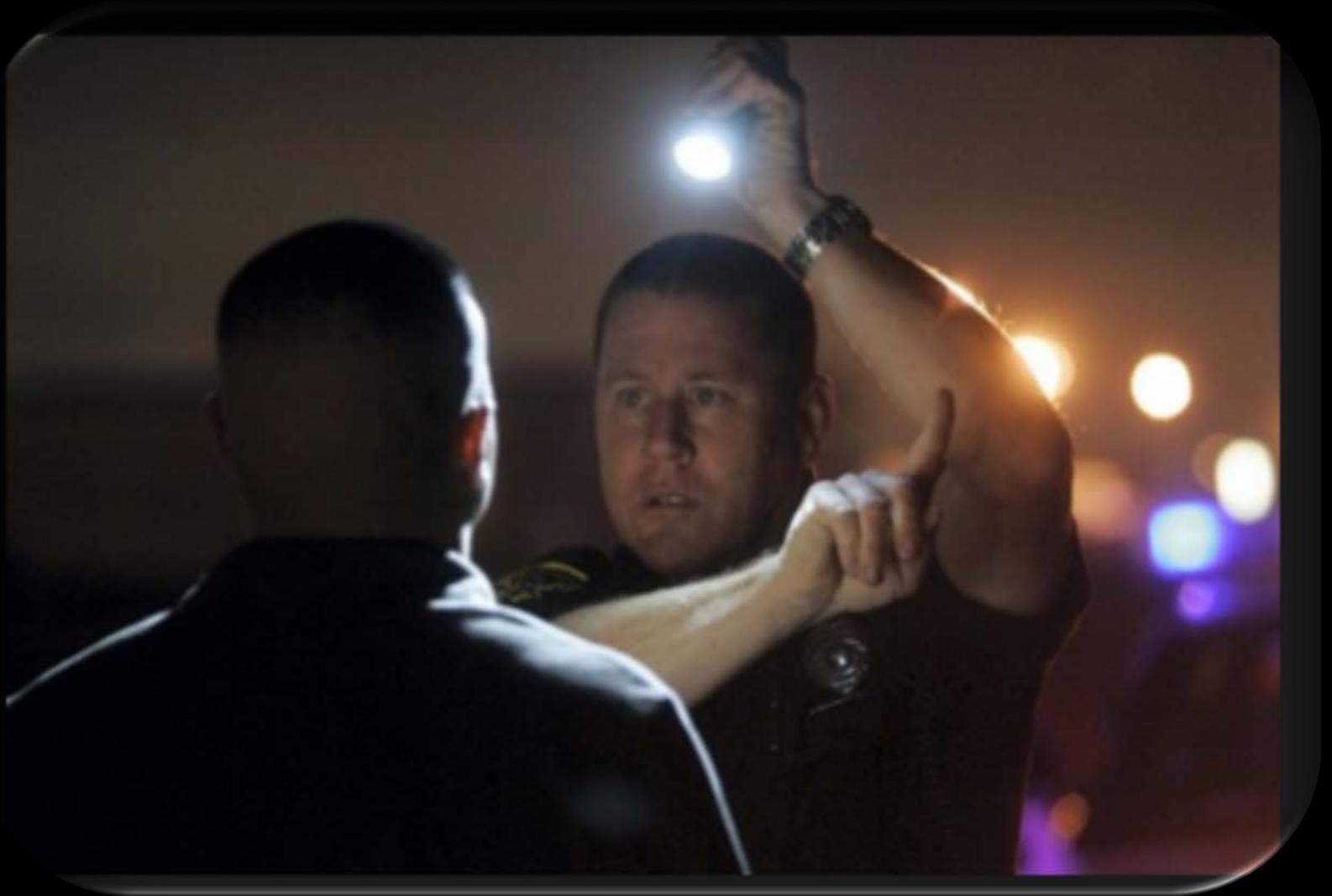


SOURCE: Fatality Analysis Reporting System (FARS), RMHIDTA

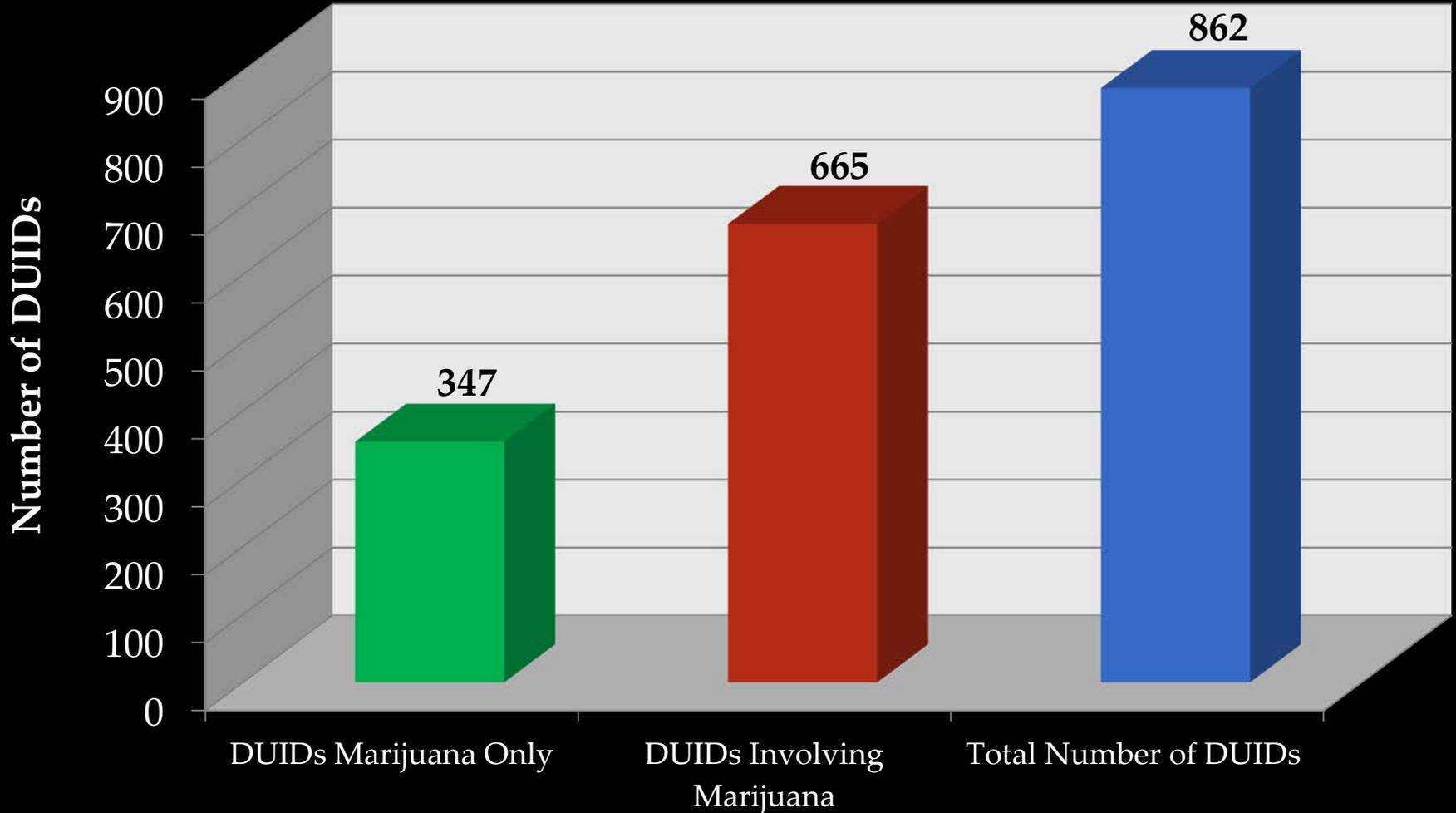
Operators Positive for Marijuana



Impaired Driving

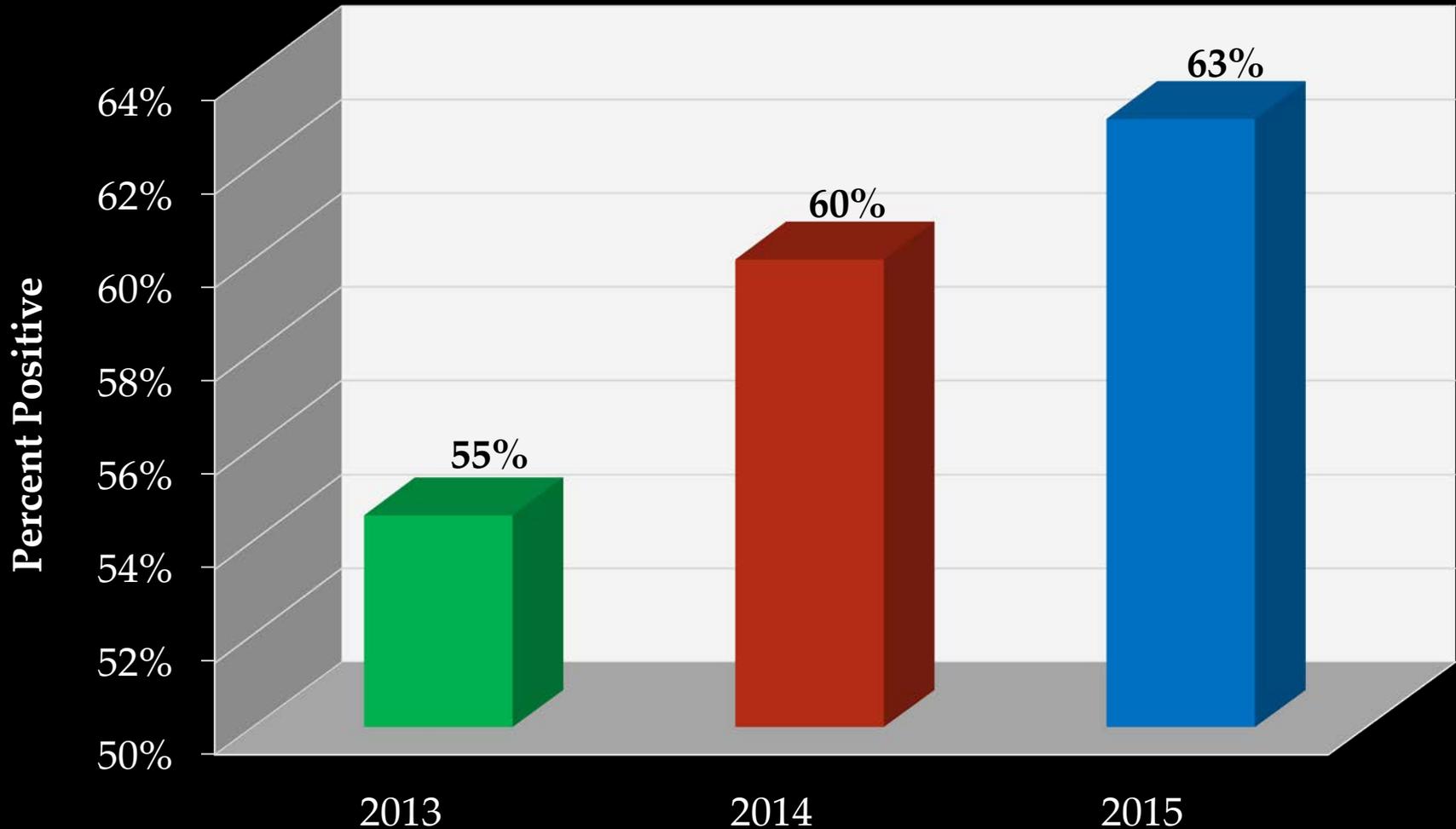


Number of DUIDs, 2015



SOURCE: Colorado State Patrol

Percent of DUIDs Involving Marijuana



SOURCE: Larimer County Sherriff's Office

Marijuana Use in Youth

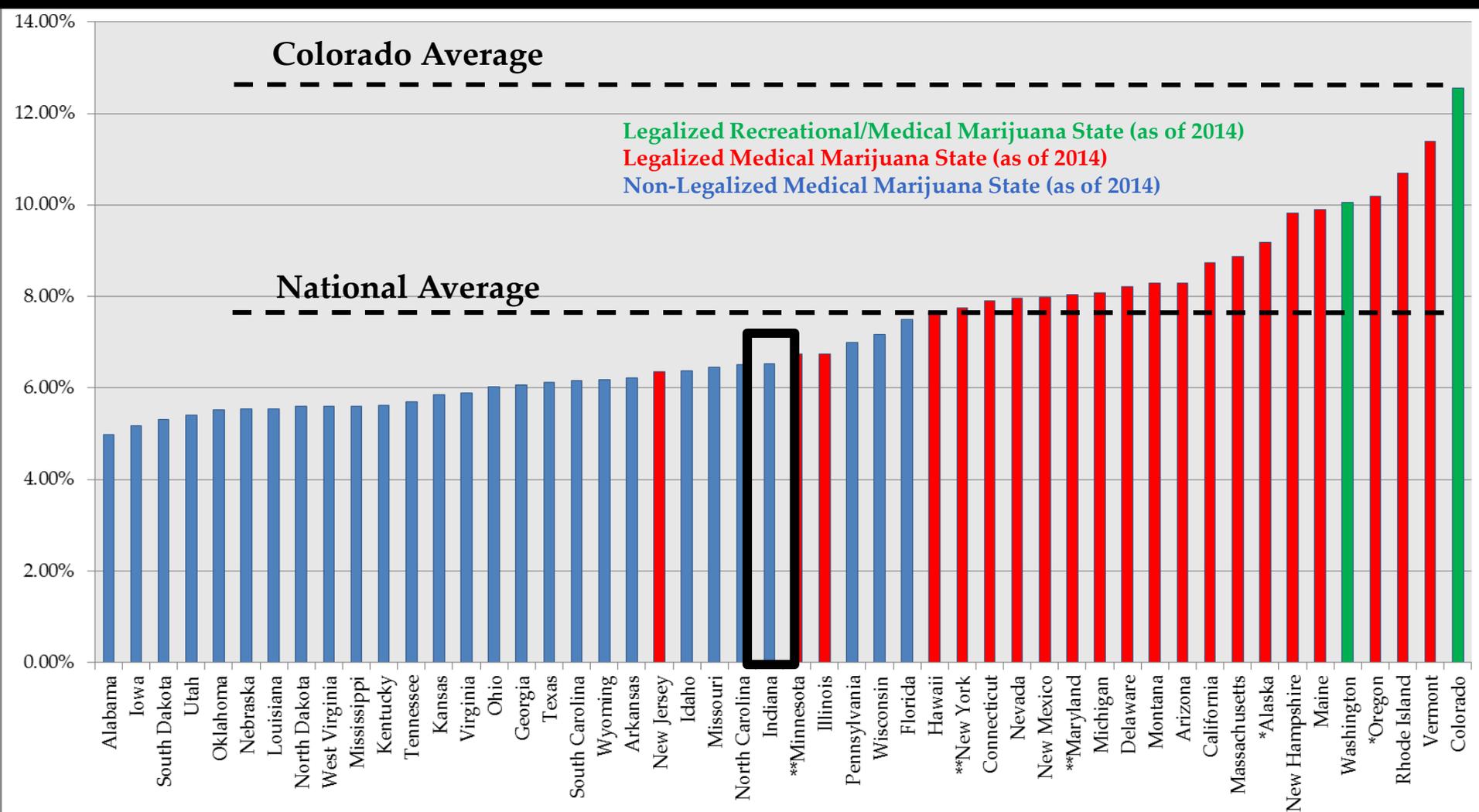


Youth (12-17 yrs)

Current Marijuana Use 2013/2014

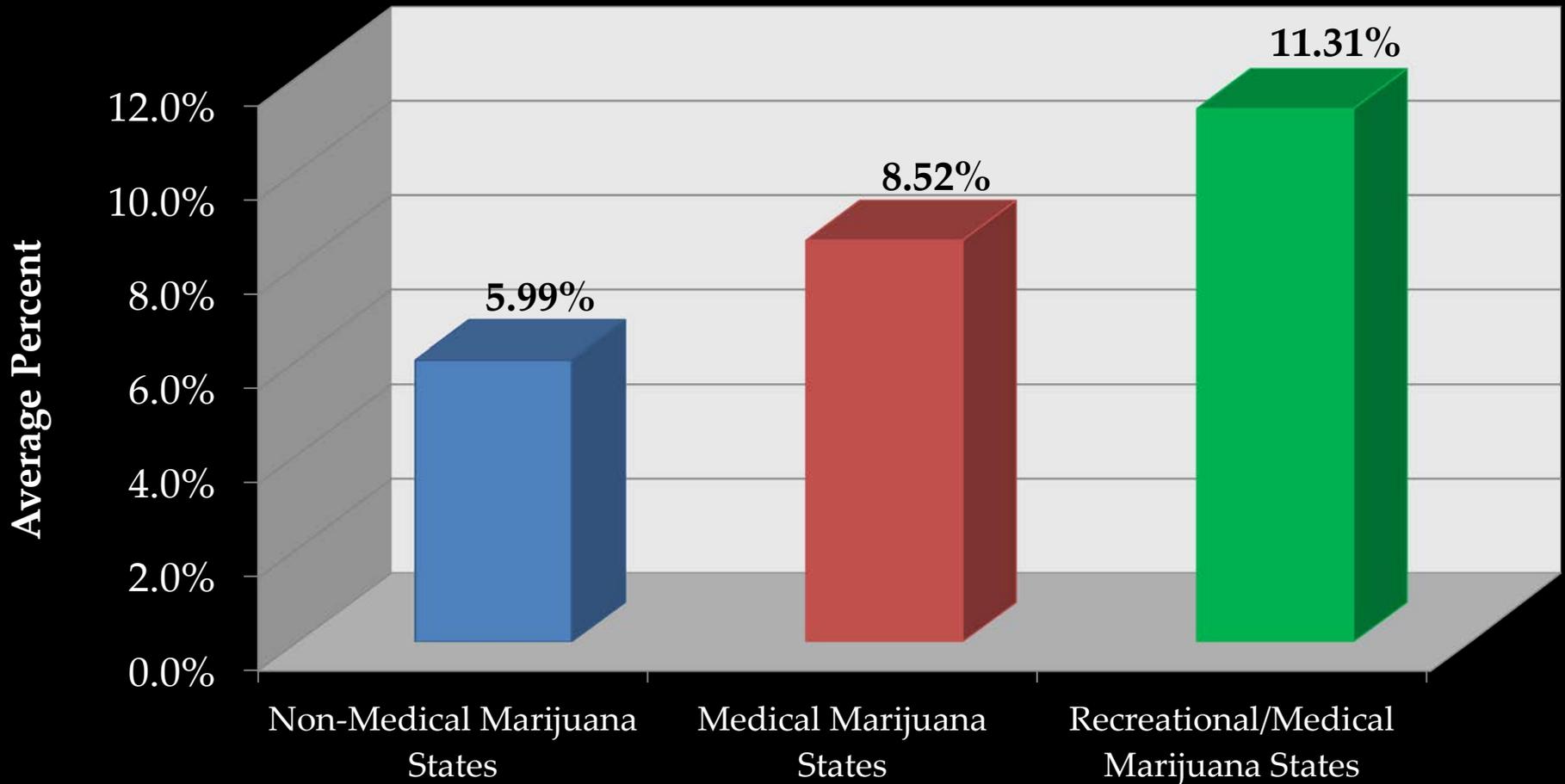
- Colorado average for youth = 12.56 percent
 - National average for youth = 7.22 percent
- Colorado was ranked 1st in the nation for current marijuana use among youth
 - 74 percent higher than the national average
- Colorado youth use increased 20 percent (2013/2014 compared to 2011/2012)
 - Nationally youth use declined 4 percent

Past Month Usage by 12 to 17 Year-Olds, 2013/2014

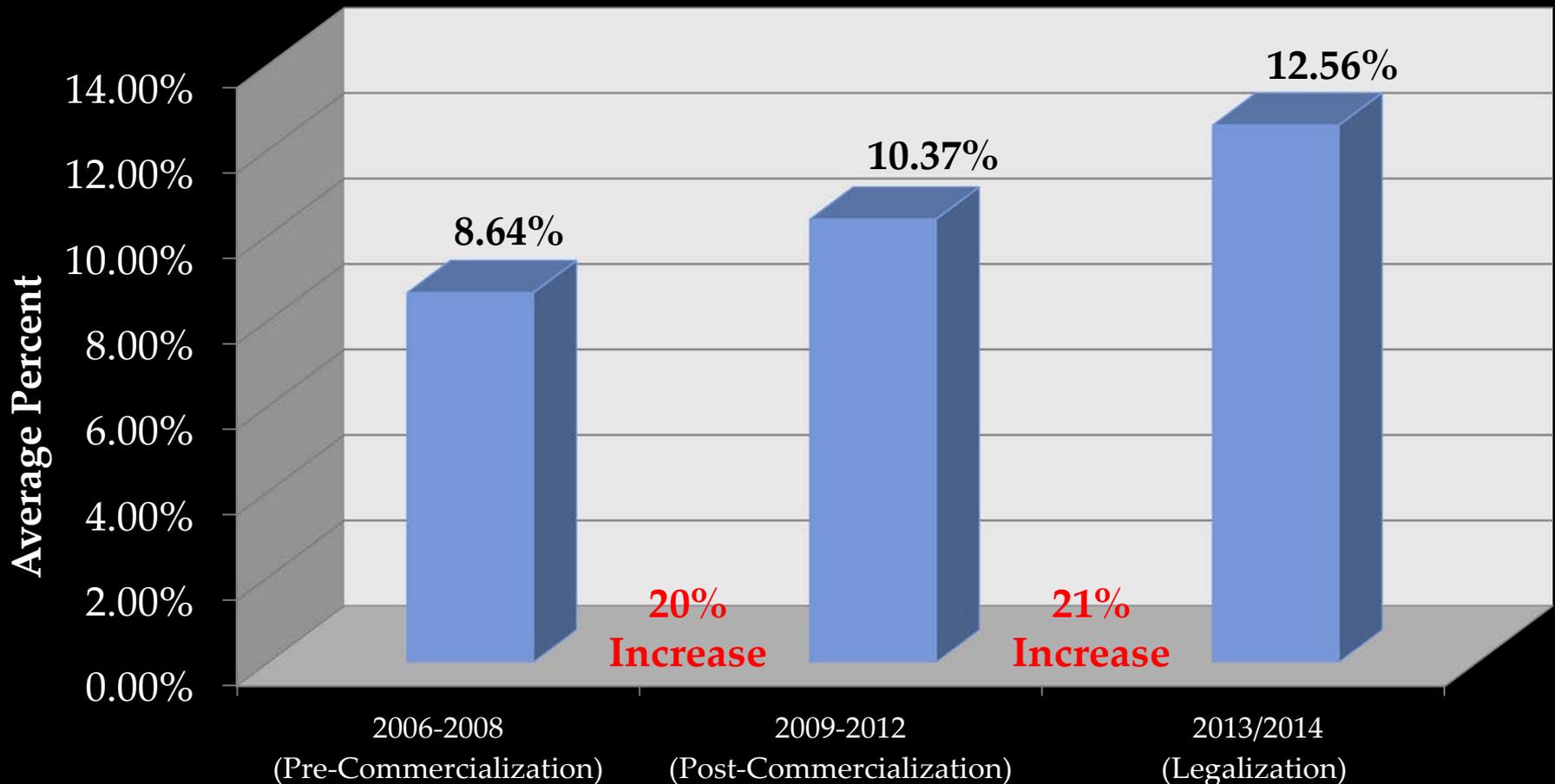


SOURCE: SAMHSA.gov, National Survey on Drug Use and Health 2013 & 2014

Average Past Month Use by 12 to 17 Year-Olds, 2013/2014

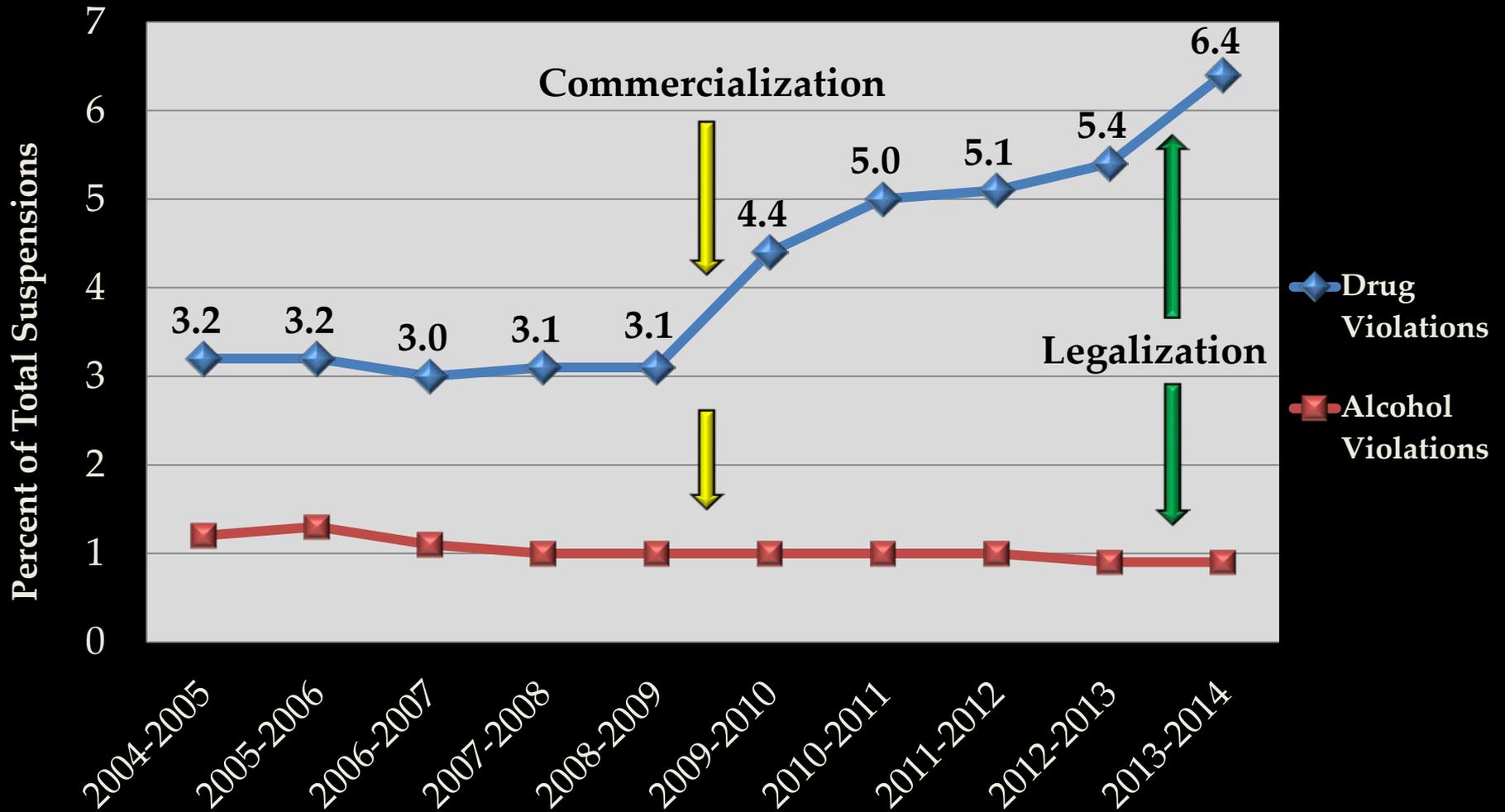


Colorado Average Past Month Use of Marijuana Ages 12 to 17 Years

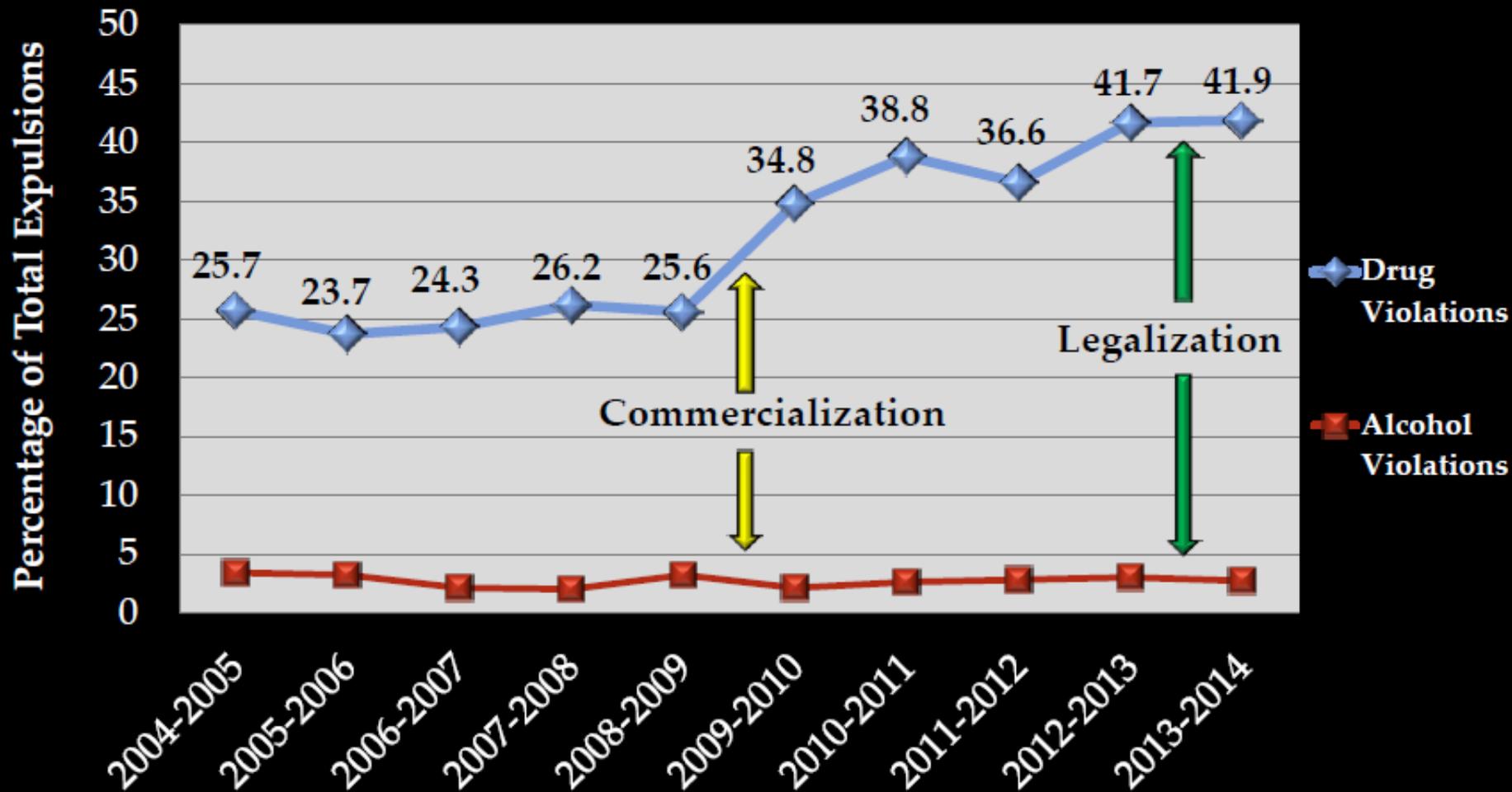


SOURCE: National Survey on Drug Use and Health, 2013 and 2014

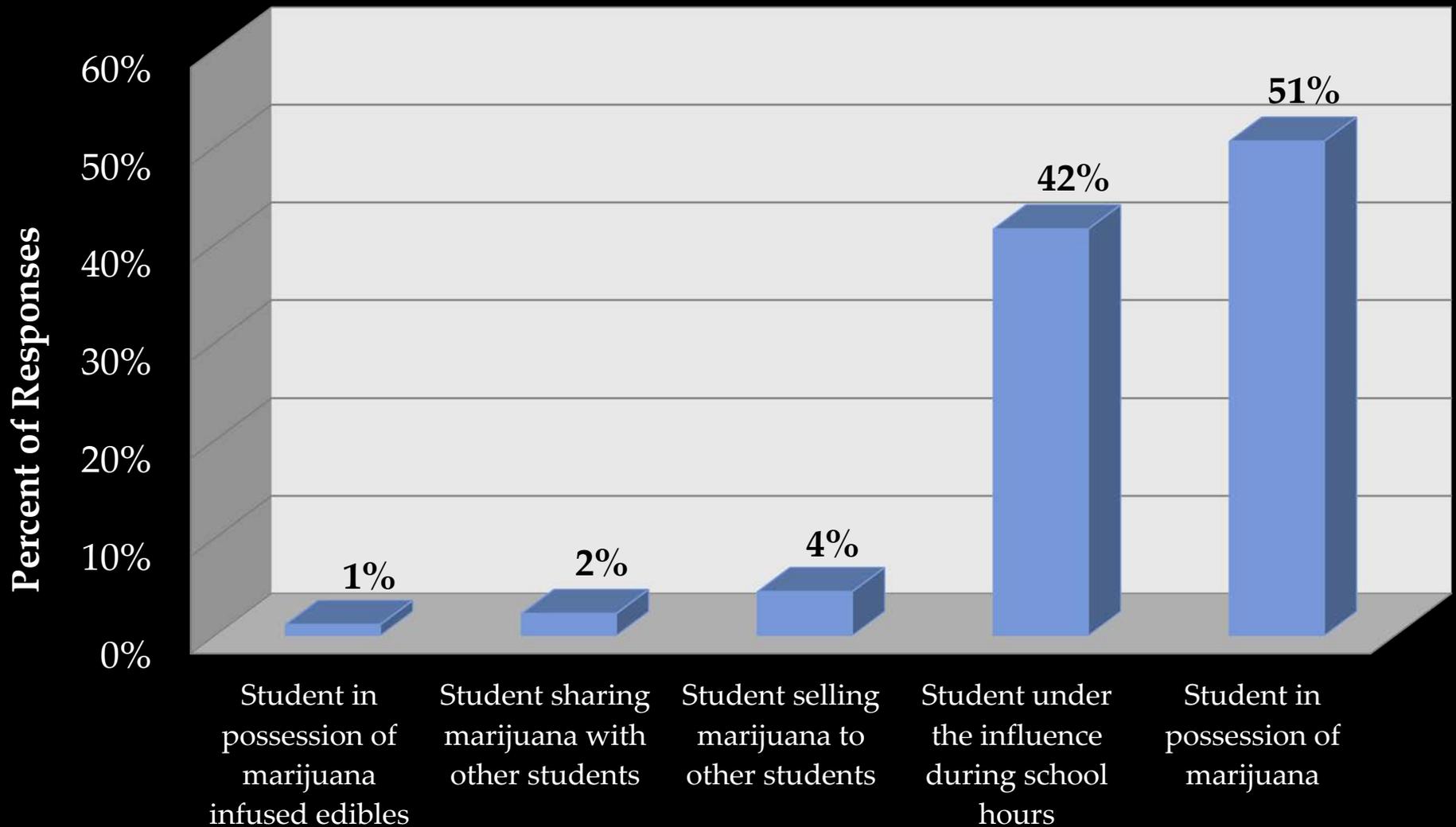
Percent of Total Suspensions in Colorado, 2004-2014



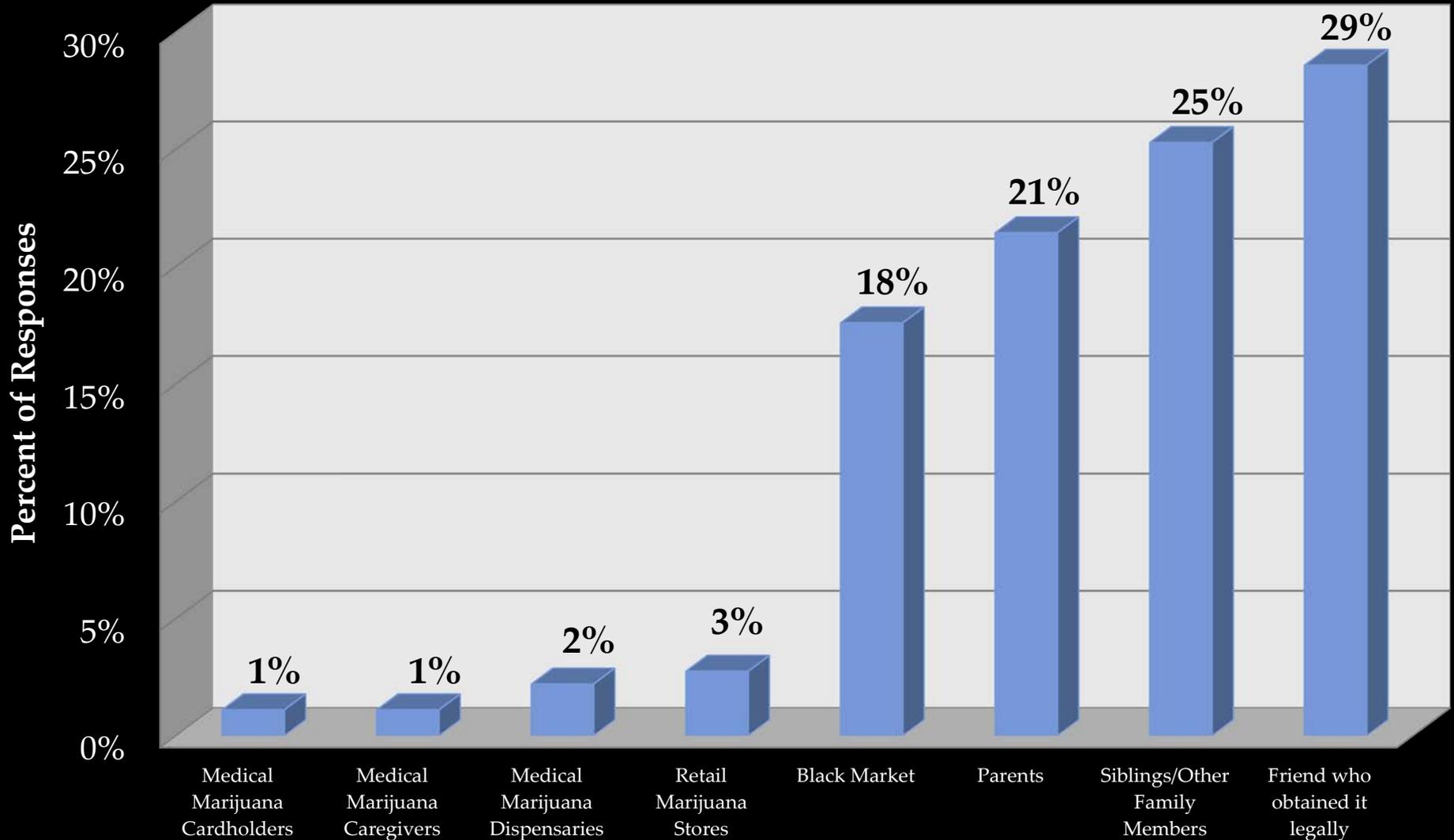
Percent of Total Expulsions in Colorado, 2004-2014



Predominant Marijuana Violations

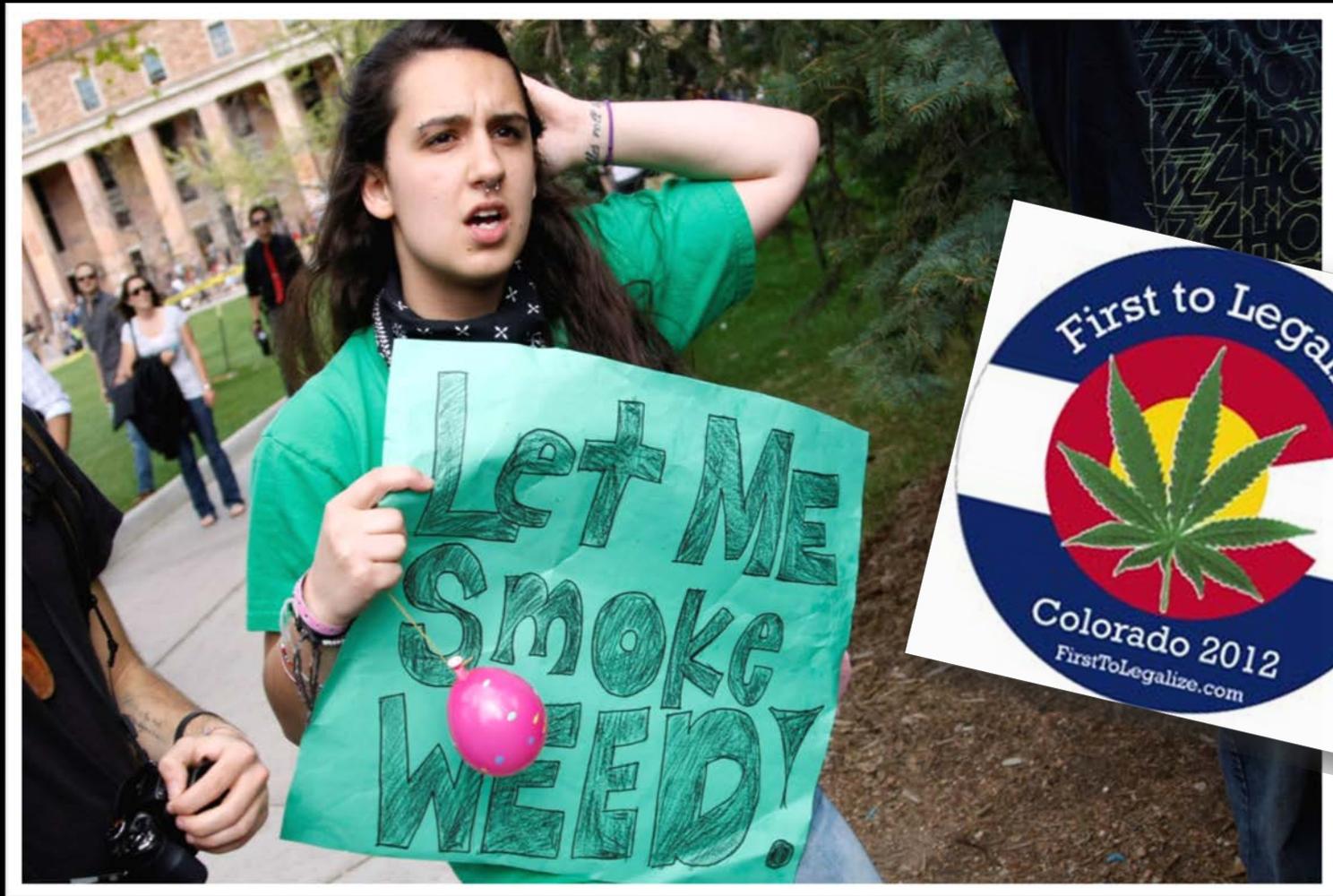


Student Marijuana Source



SOURCE: Colorado School Counselor Association (CSCA) and RMHIDTA, 2015

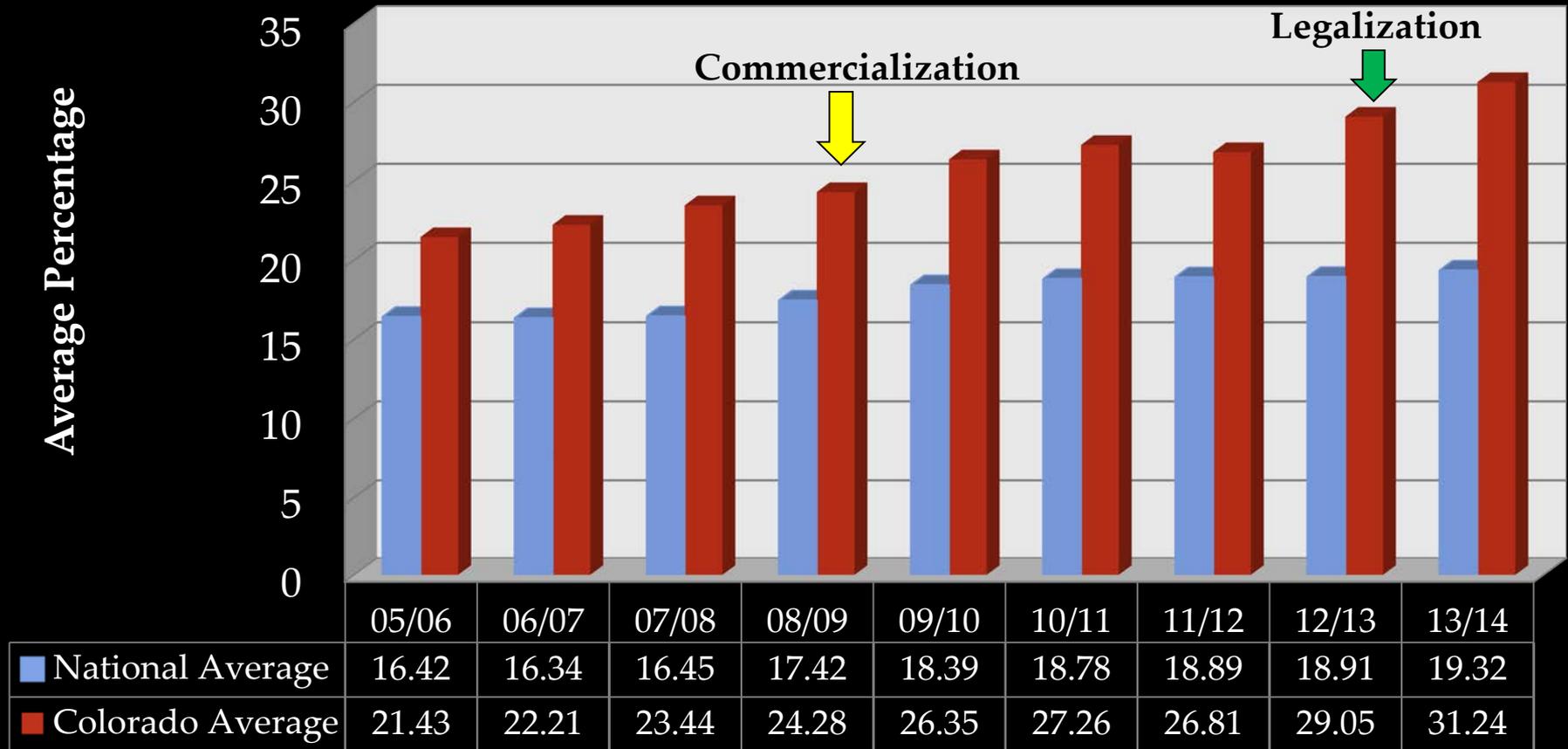
College-Age Marijuana Use



College-Age Adults (18-25yr) Current Marijuana Use 2013/2014

- Colorado average = 31.24 percent
 - National average = 19.32 percent
- Colorado was ranked 1st in the nation for current marijuana use among college-age adults
 - 62 percent higher than the national average
- Colorado college age use increased 17 percent (2013/2014 compared to 2011/2012)
 - Nationally there was a 2 percent increase

College Age, 18 to 25 Years-Old, Past Month Marijuana Use



Annual Averages of Data Collection

Adult Marijuana Use

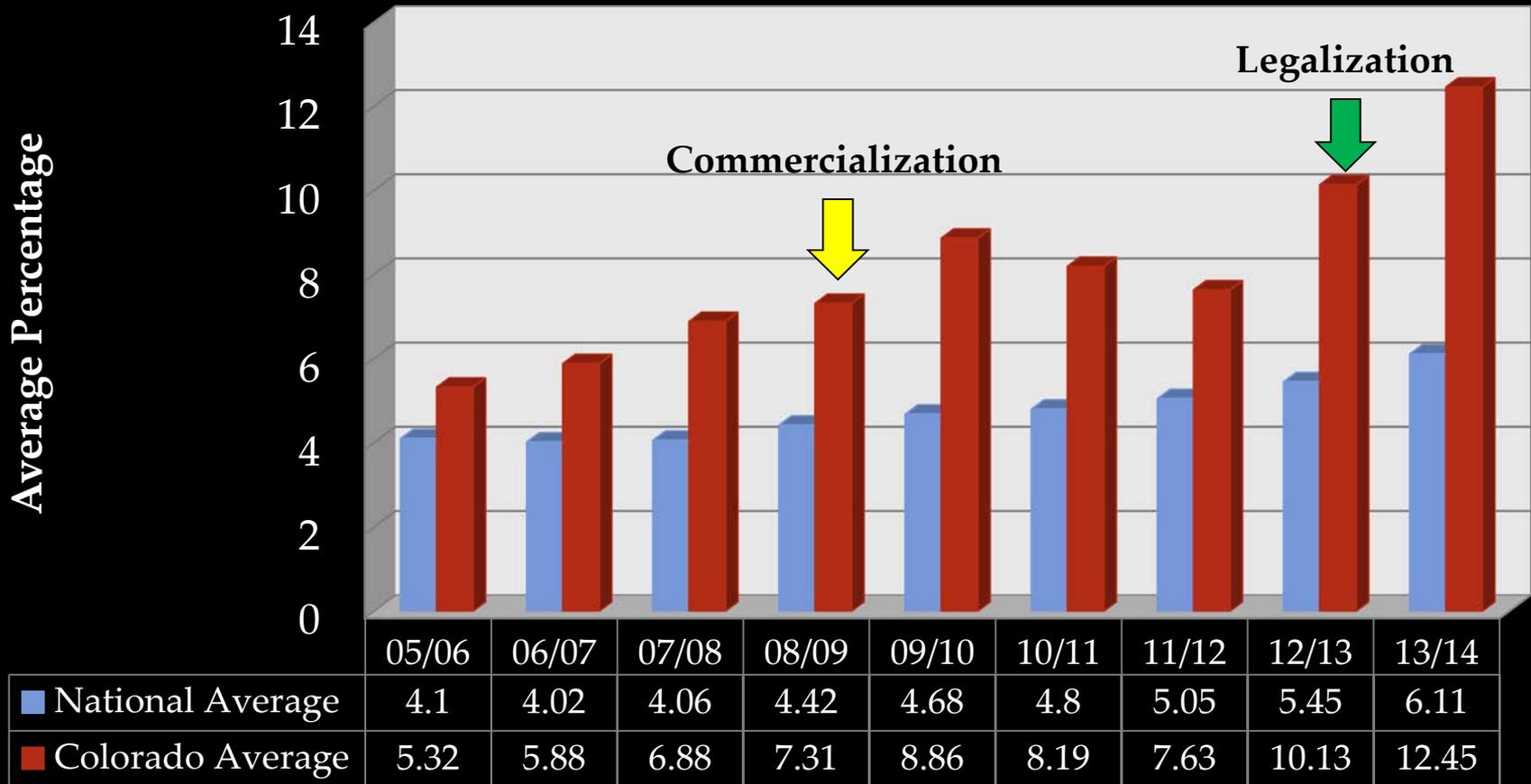


Adults (26+ yrs)

Current Marijuana Use 2013/2014

- Colorado average = 12.45 percent
 - National average = 6.11 percent
- Colorado was ranked 1st in the nation for current marijuana use among adults
 - 104 percent higher than the national average
- Adult use increased 63 percent compared to pre-legalization years 2011/2012
 - Nationally an increase of 21 percent

Adult, Ages 26+, Past Month Marijuana Use

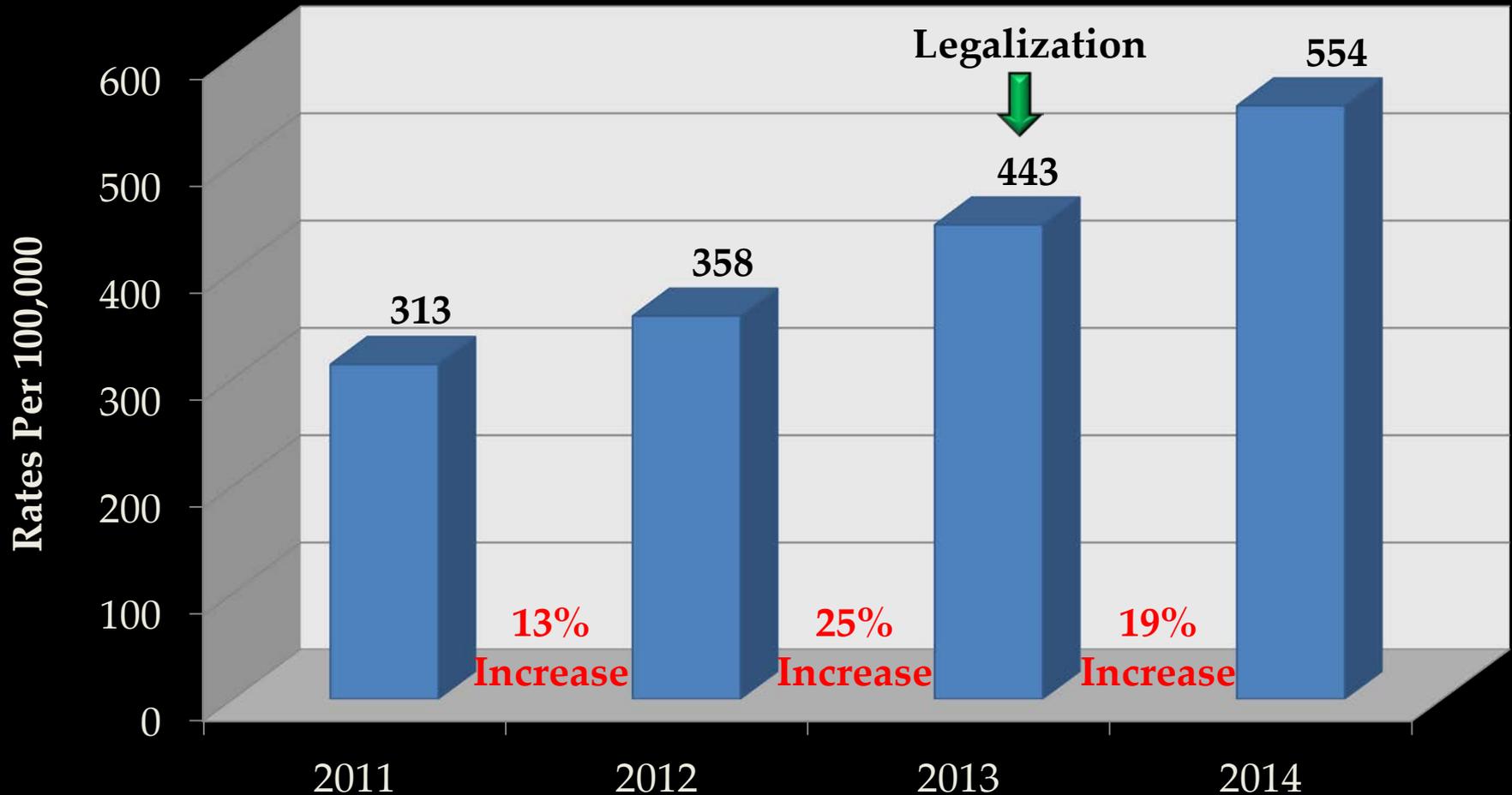


Annual Averages of Data Collection

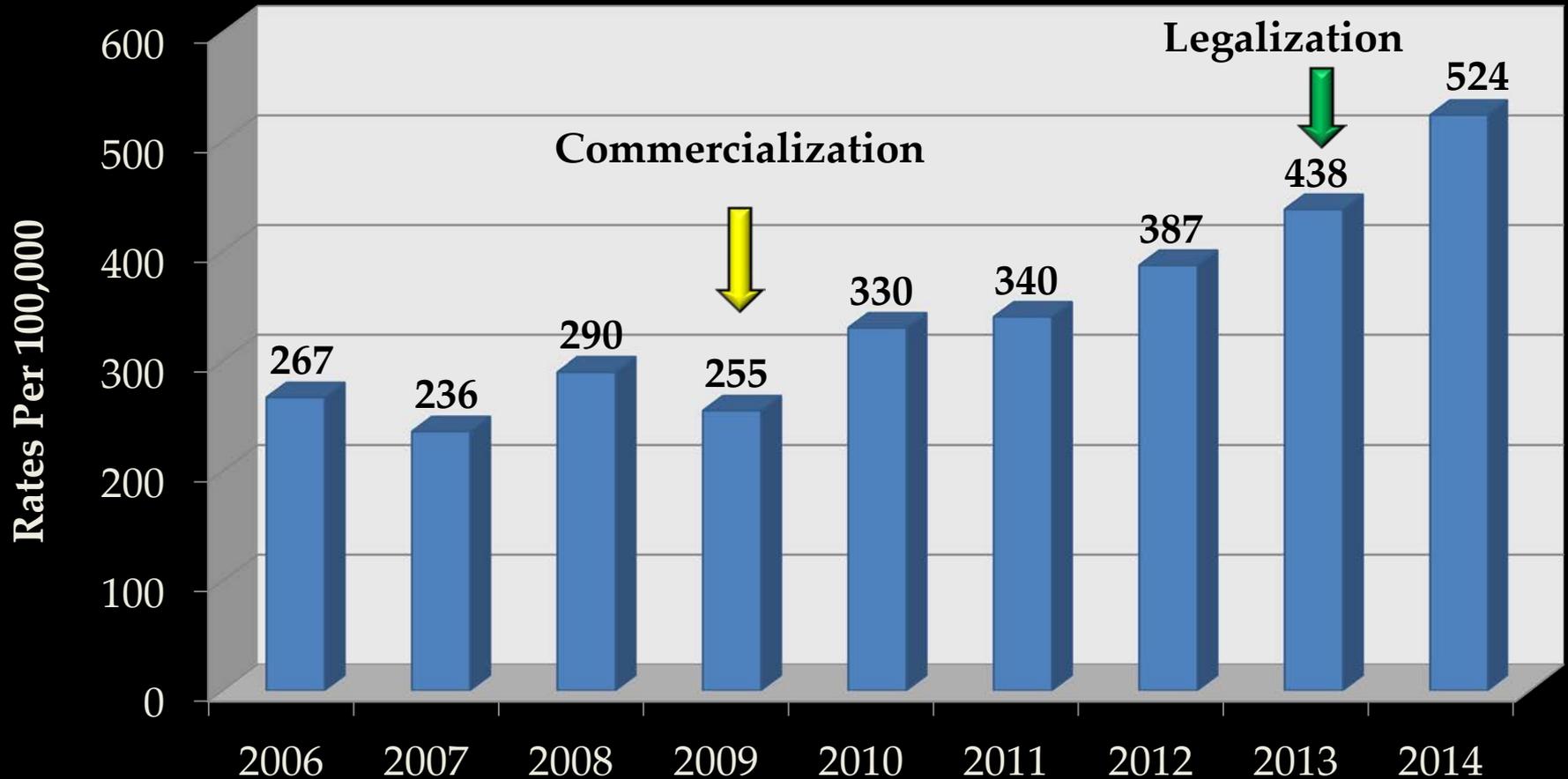
Emergency Room Visits and Hospitalizations



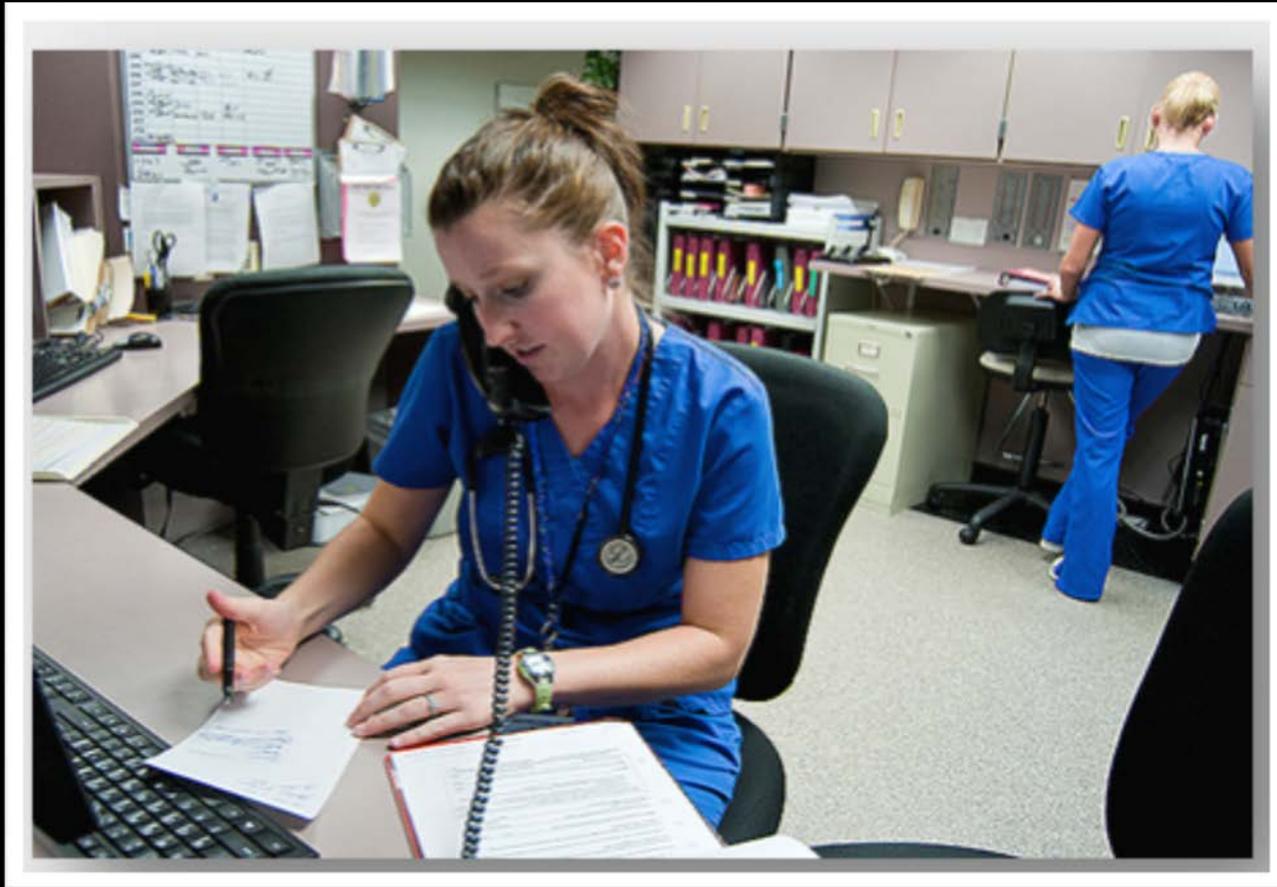
Colorado Emergency Department Rates Likely Related to Marijuana



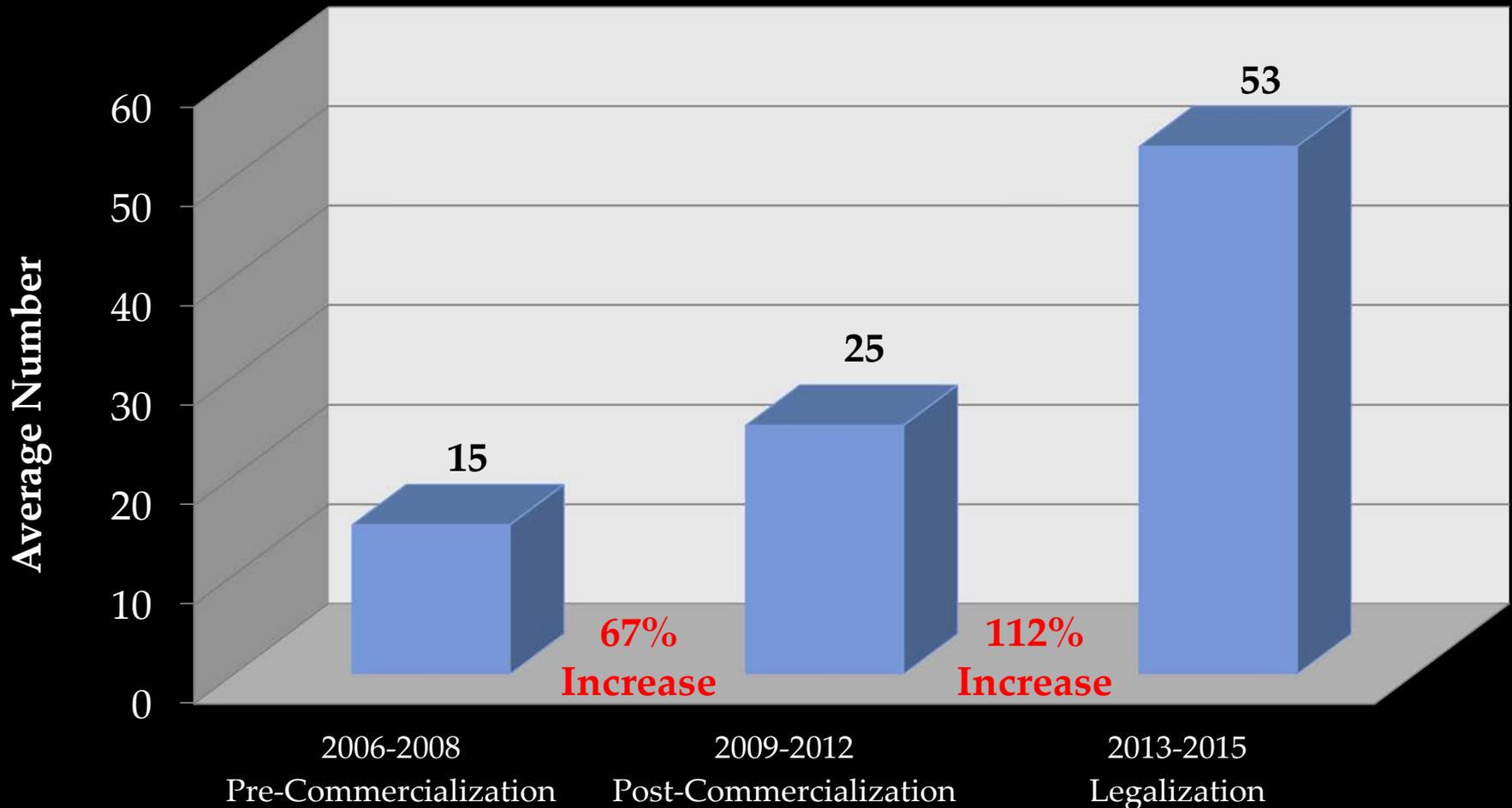
Colorado Hospitalization Rates Likely Related to Marijuana



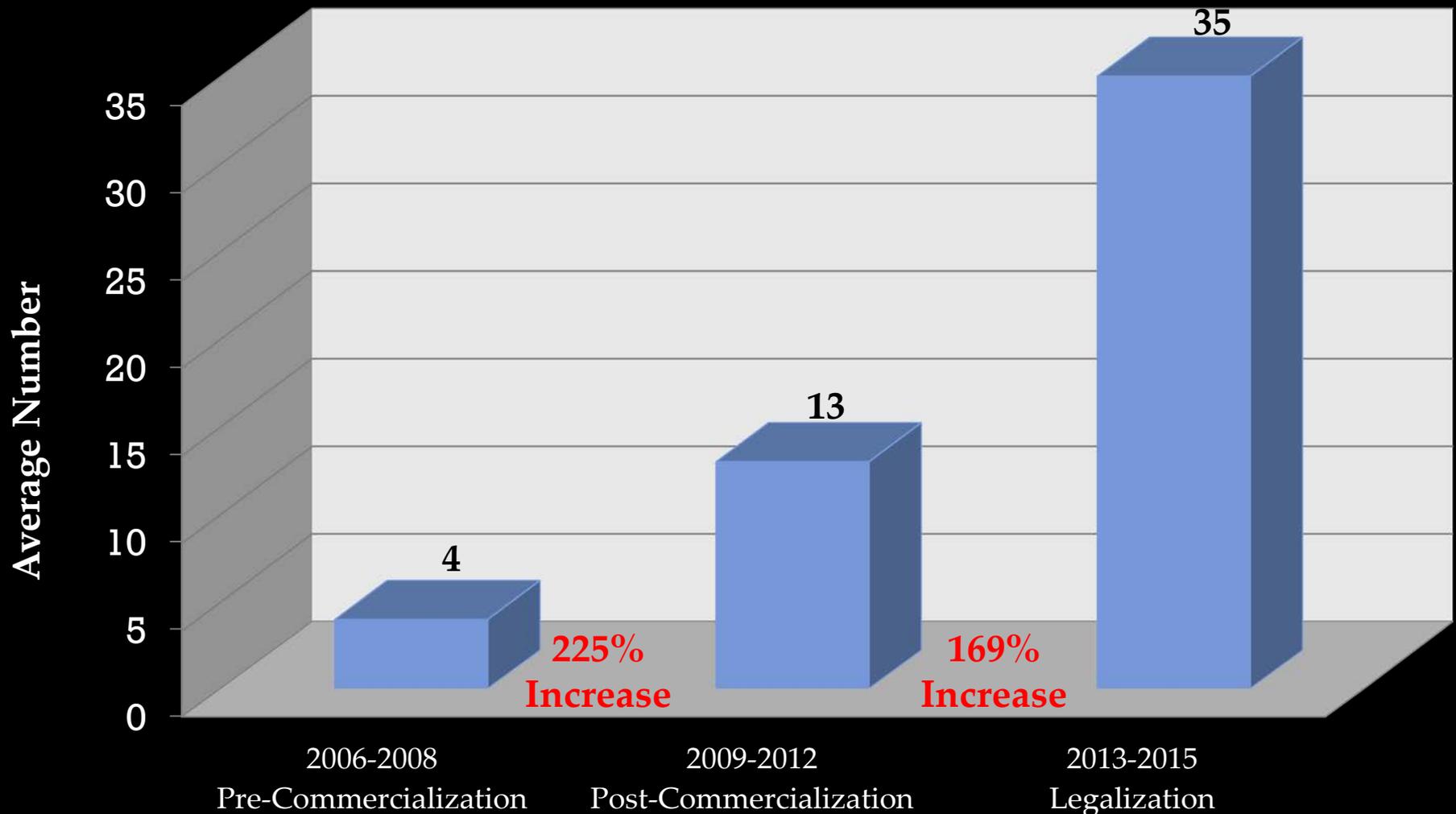
Marijuana and Poison Control Cases



Adolescents, Ages 6 to 17, Average Number of Marijuana-Related Exposures



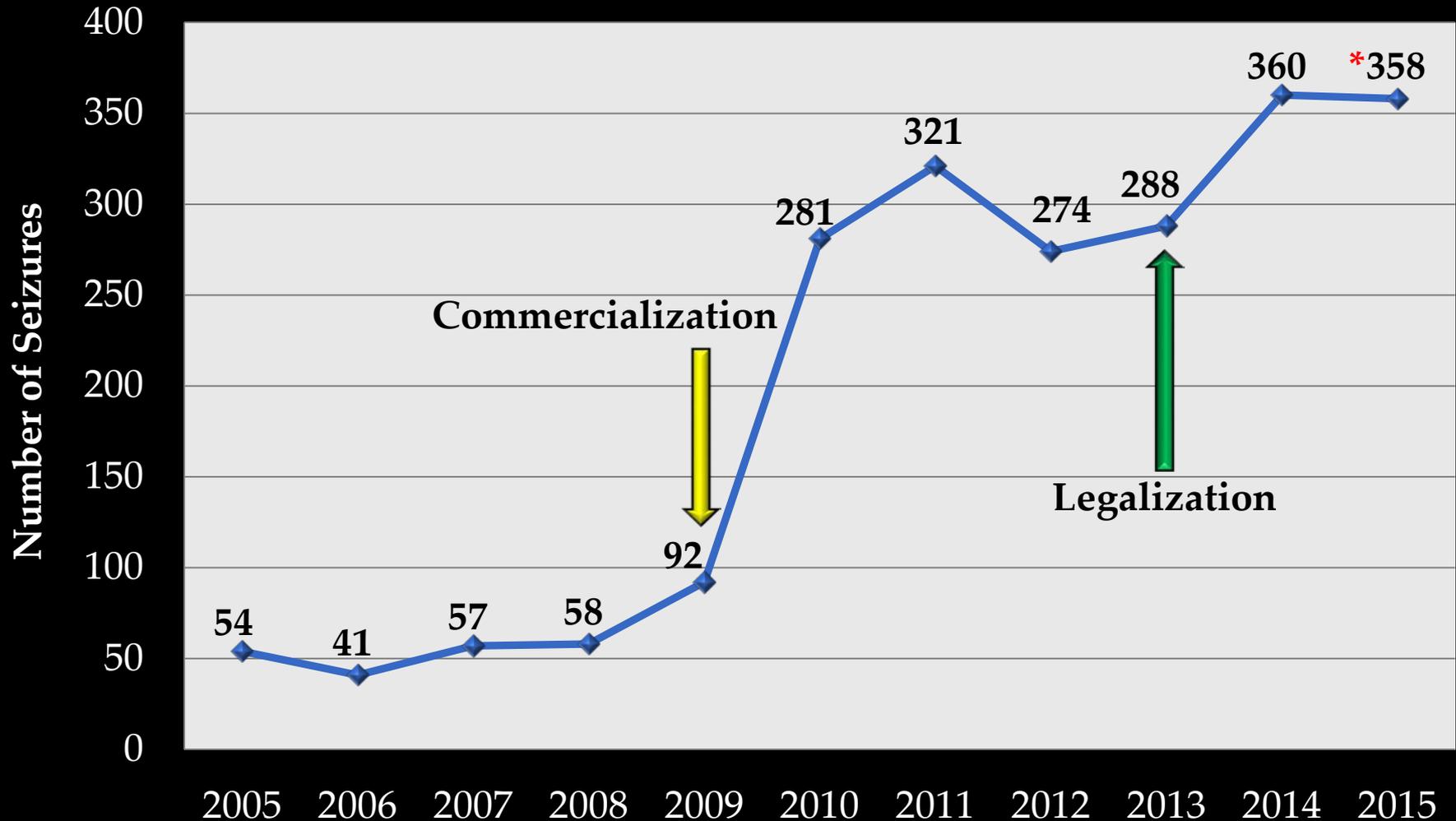
Children, Ages 0 to 5, Average Number of Marijuana-Related Exposures



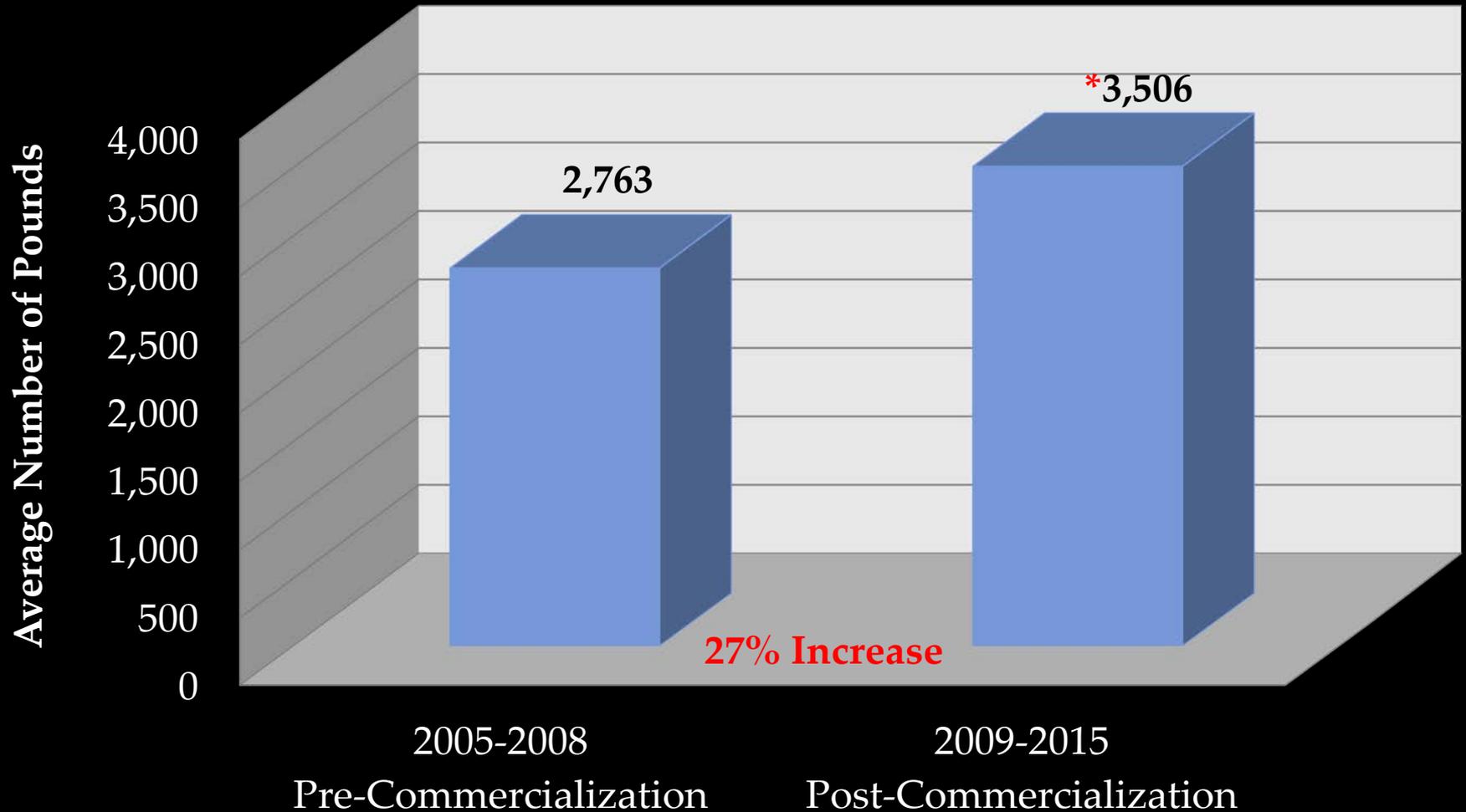
Diversion by Highway



Colorado Marijuana Interdiction Seizures (Incidents)



Colorado Marijuana Interdiction Seizures (Pounds)



Colorado Marijuana Destination States (*2015) (Total Reported Incidents Per State)



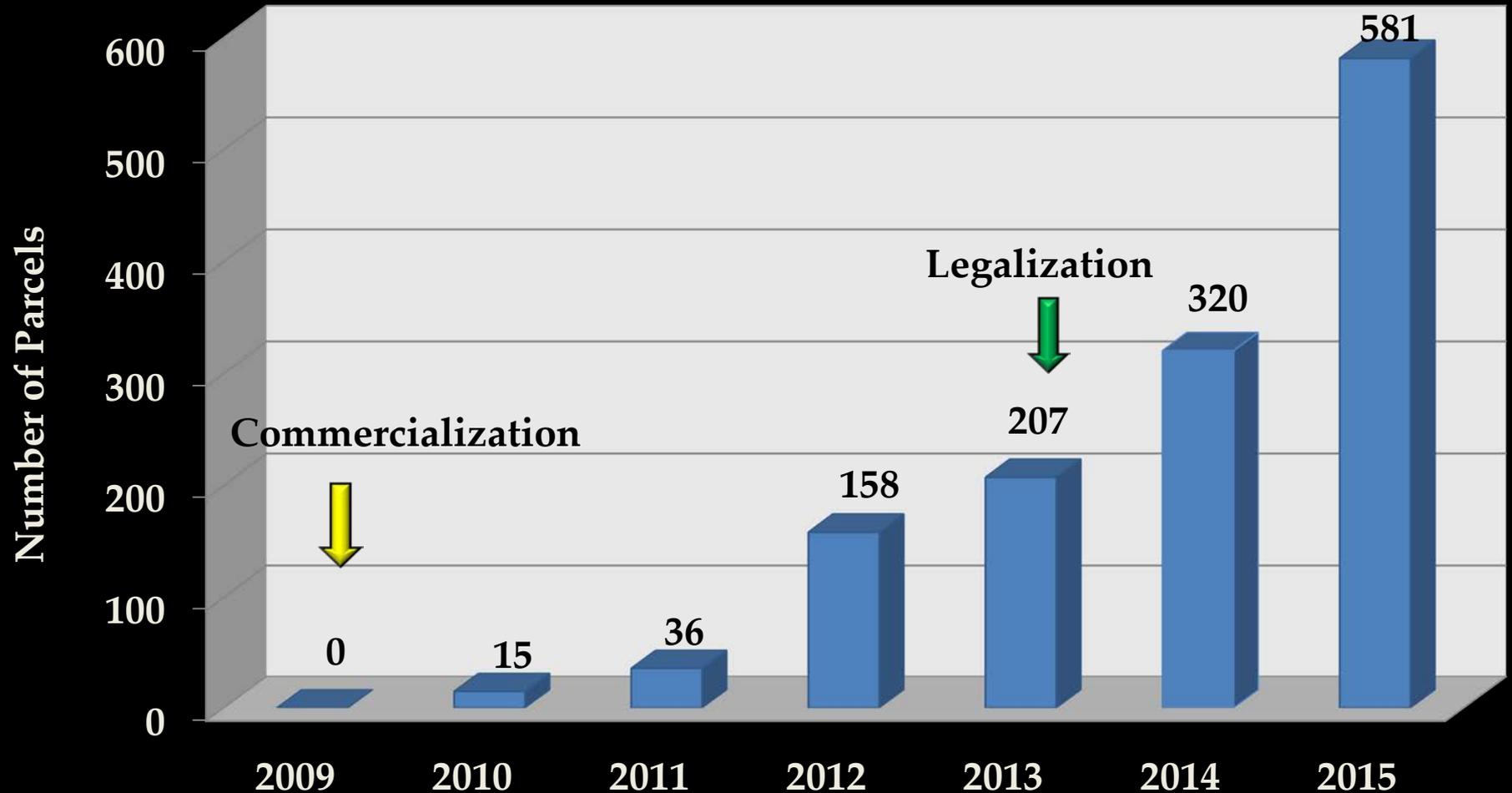
SOURCE: El Paso Intelligence Center, National Seizure System

*38 interdictions, destination: UNKNOWN

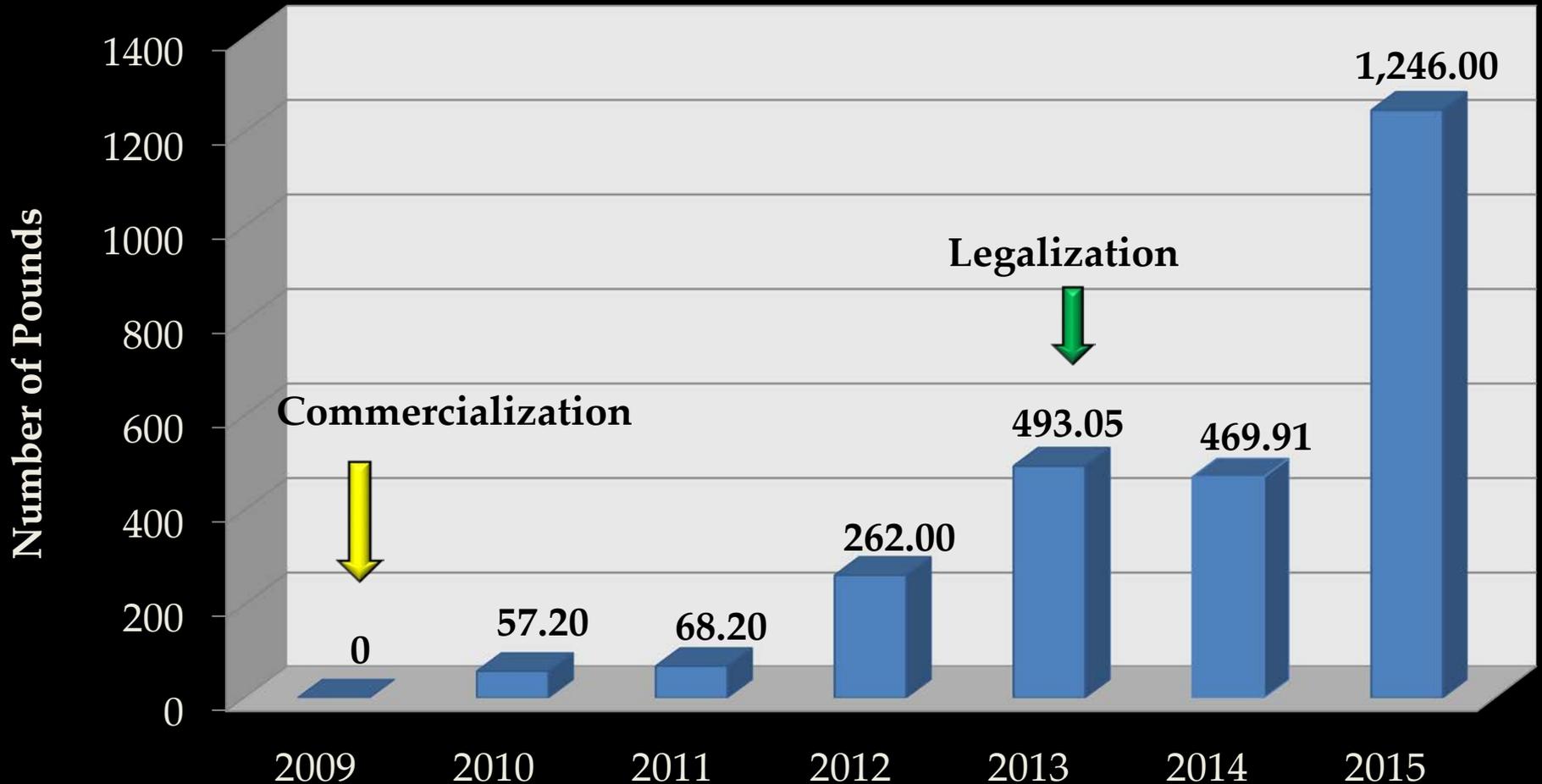
Diversion by Postal



Parcels Containing Marijuana from CO Destined for Another State



Pounds of CO Marijuana Seized

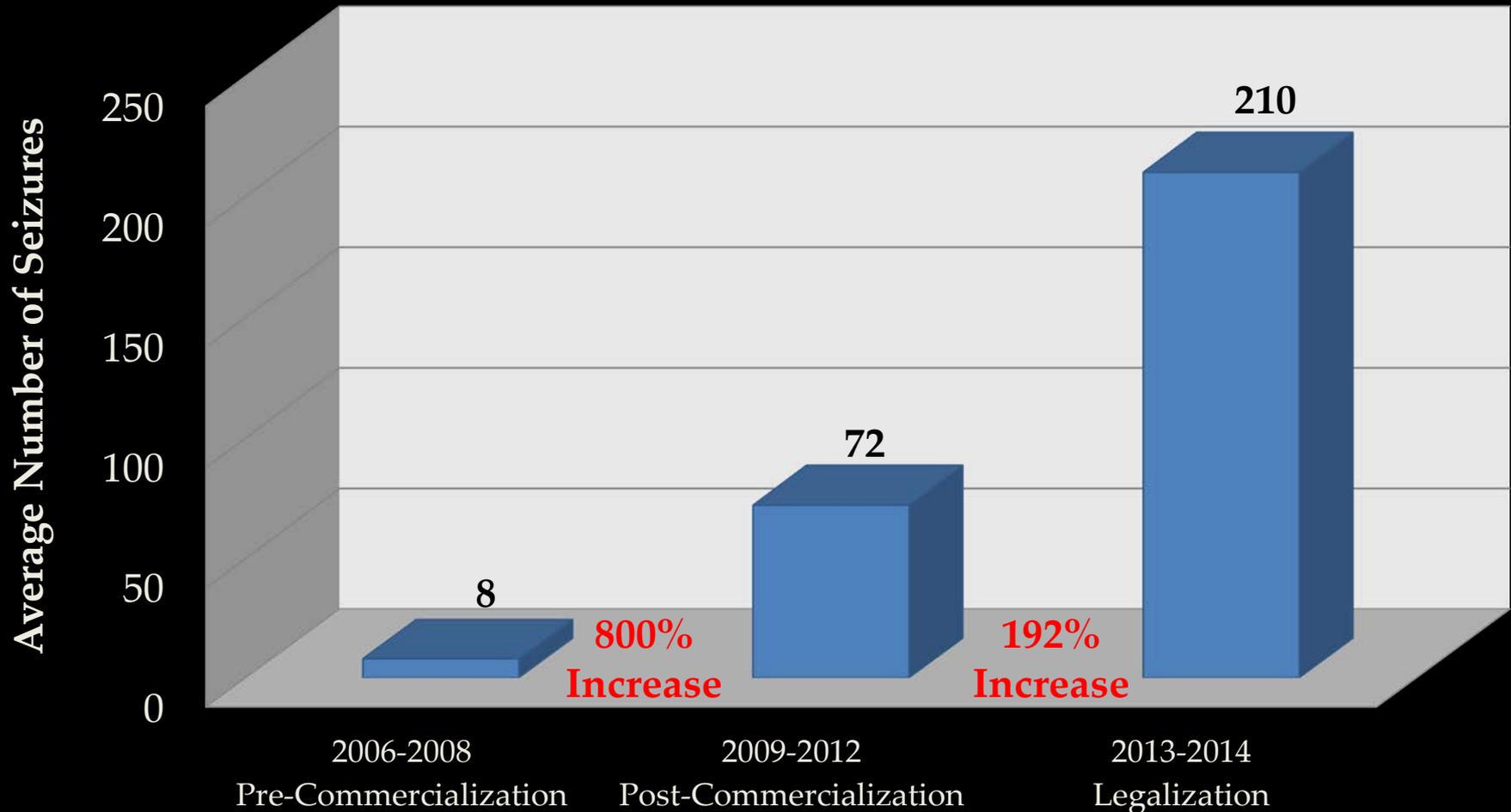


Colorado Marijuana Destined for Other Countries (2014)



SOURCE: United States Customs and Border Protection

CO Marijuana Parcels Destined for Outside the Continental U.S.



THC Extraction Lab Explosions



PRODUCT:
Sour Diesel
Live Resin Wax
CULTIVATION LICENSE NUMBER:

NET WEIGHT:
1.0g

403R-00106

MIP LICENSE NUMBER: PRODUCTION BATCH NUMBER:
031116-E

404R-00015
POTENCY DATA:

This container is child resistant.
THC: 0.66% CBDA: NR
THCA: 66.14% CBN: ND
CBD: ND

concentRrate

TR Scientific, LLC

This product is designed for smoking or vaporization only. This is NOT an edible product.

This product was extracted using research grade n-butane.

CONTAMINANT DATA:

Residual Solv: 83.11ppm
Butanes, Heptanes, Benzene
Toluene, Hexane, & Xylenes=ND

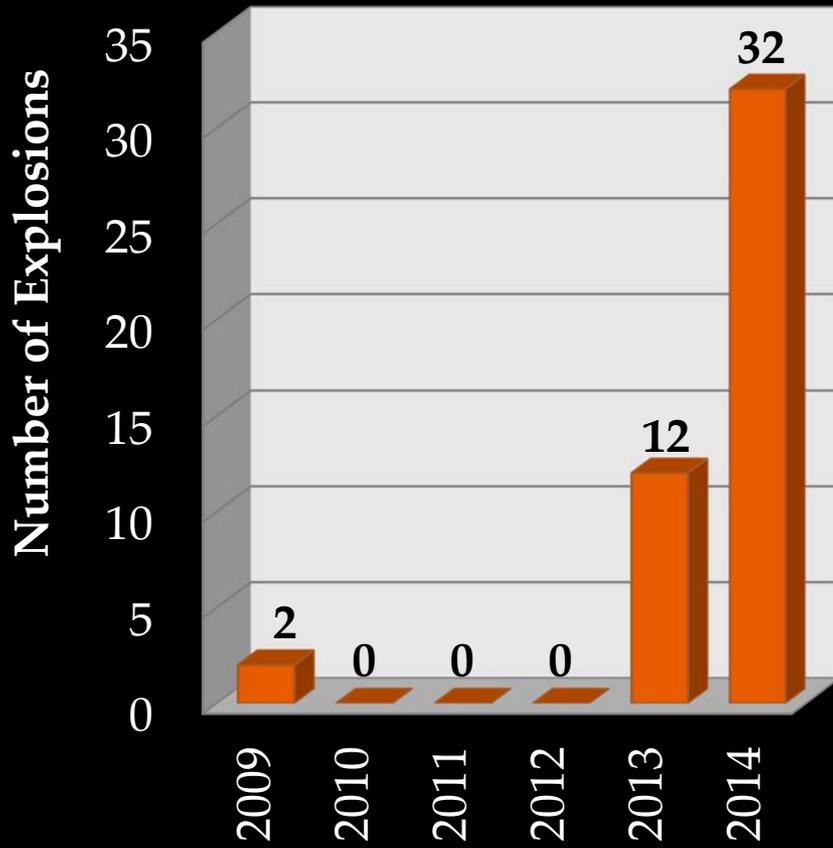
Medical Warning: This product contains medical marijuana and was produced without regulatory oversight for health, safety or efficacy and there may be health risks associated with the consumption of the product.

Recreational Warnings: There may be health risks associated with the consumption of this product. This product is intended for use by adults 21 years and older. Keep out of reach of children. This product is unlawful outside the State of Colorado. This product contains marijuana. This product was produced without regulatory oversight for health, safety, or efficacy. There may be additional health risks associated with the consumption of this product for women who are pregnant, breastfeeding, or planning on becoming pregnant. Do not drive a motor vehicle or operate heavy machinery while using marijuana.

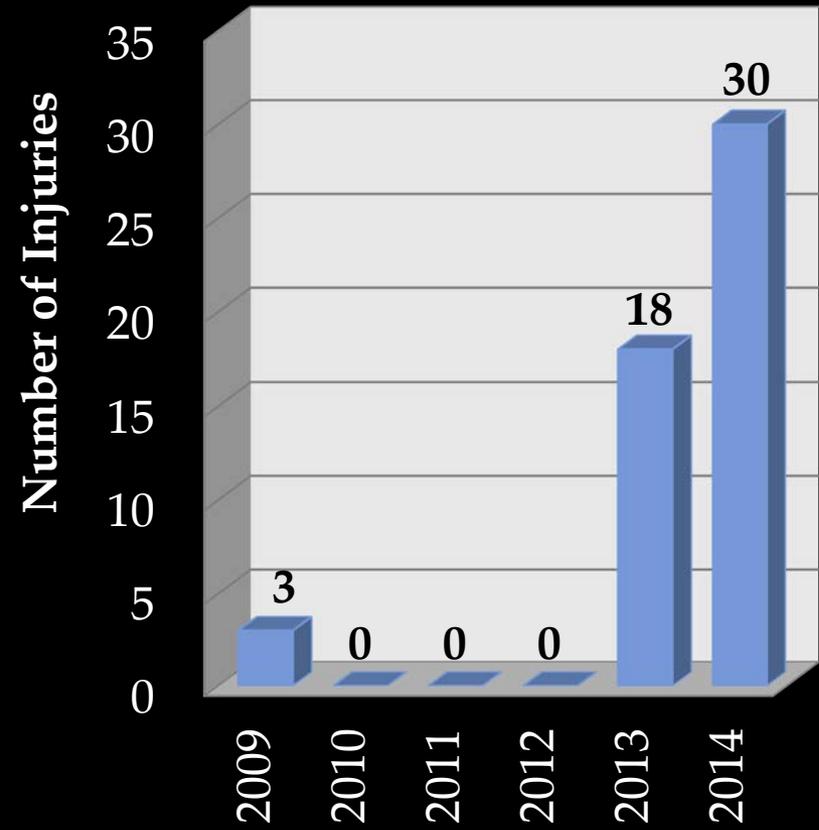


THC Extraction Labs

Explosions



Injuries



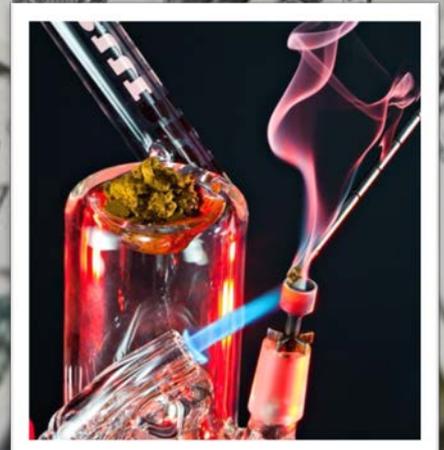
STATE OF COLORADO
Medical Marijuana Registry

Patient	Caregiver
Date of Birth	Date of Birth
Name	Issue Date 10/14/2009 Name
Address	Expiration Date 10/14/2010 Address
SSN	NO

WARNING: IT IS ILLEGAL TO DUPLICATE THIS CARD, VOID IF LAMINATED.

The above named patient is certified by the Department of Public Health and Environment as a person who has a debilitating medical condition that the patient may alleviate with the medical use of marijuana. Any changes to the above information should be reported to the Medical Marijuana Program, Colorado Department of Public Health and Environment, 4000 Cherry Creek North, Suite 2000, Denver, Colorado 80246-1500.

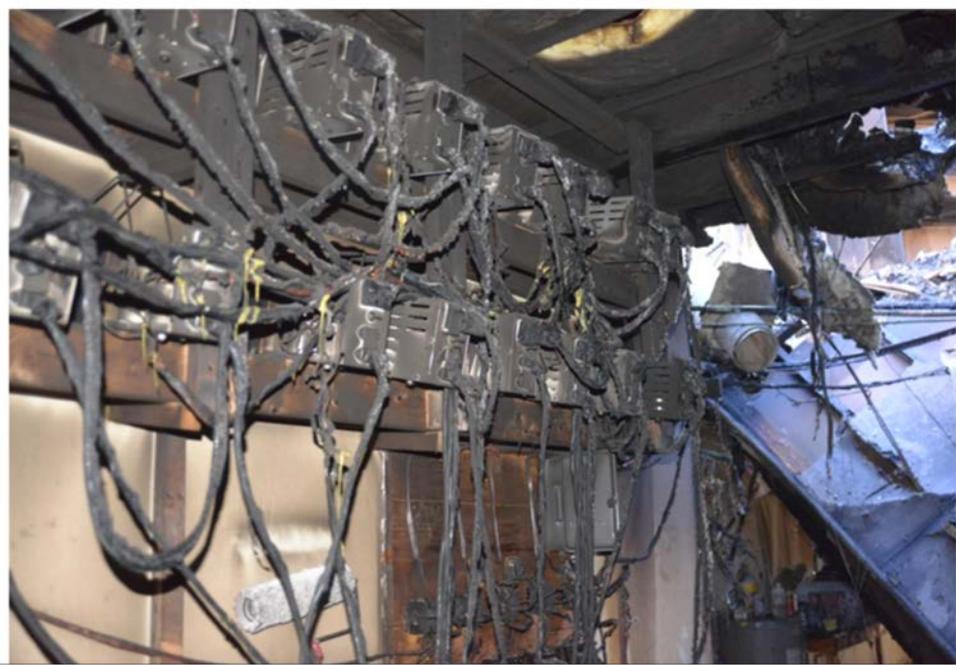
ANY ALTERATION OR ERASURE VOID THIS CERTIFICATE



Collateral Damages

- Chemicals
- Electrical/Water
- Federal lands
- Money laundering
- Prostitution
- Transients
- Home grows





Scenario 1

As of January 2016:

- **107,798** medical marijuana patients
 - **8,210** patients with recommendations for **50-99** plants
 - (**8%** of all patients)

If **8,200** patients each grow **50** plants = **410,000** marijuana plants

*The state-licensed medical/recreational industry currently has **758,000** plants in its inventory tracking system

If **8,200** patients harvest one pound per plant every **90 days**
= **1,640,000** pounds of marijuana per year

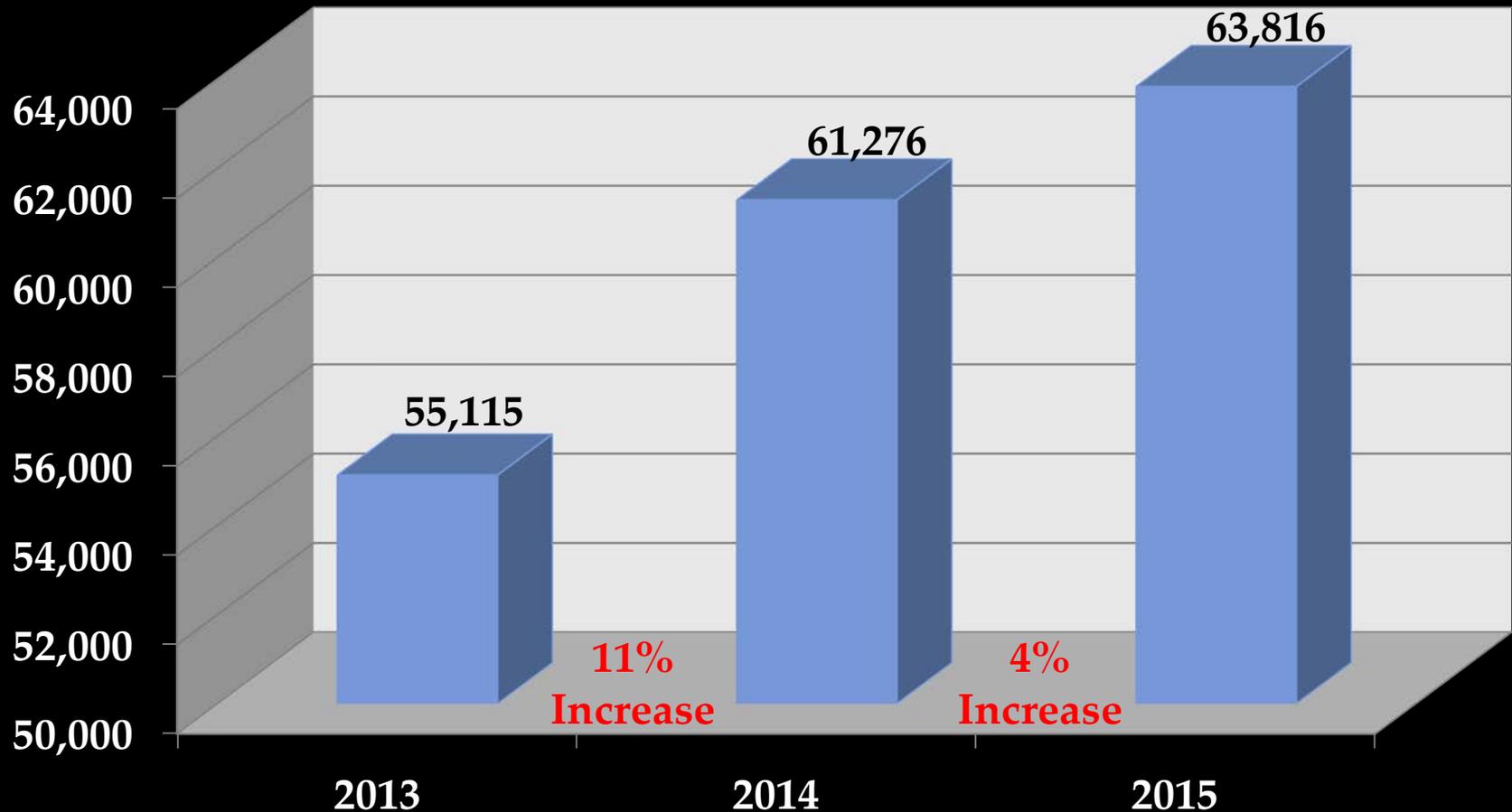
Scenario 2

- 5 people from FL move to CO and rent 3 houses
- All 5 individuals obtain a medical recommendation to grow 99 plants
- Now they can “legally” grow up to 495 plants
 - ❖ *At least 1 lb per plant per cycle*
- 495 lbs every 90 days = 1,980 lbs per year
 - CO = \$2,000 per lb
\$3.9 million per year
 - East Coast = \$4,000 per lb
\$7.9 million per year



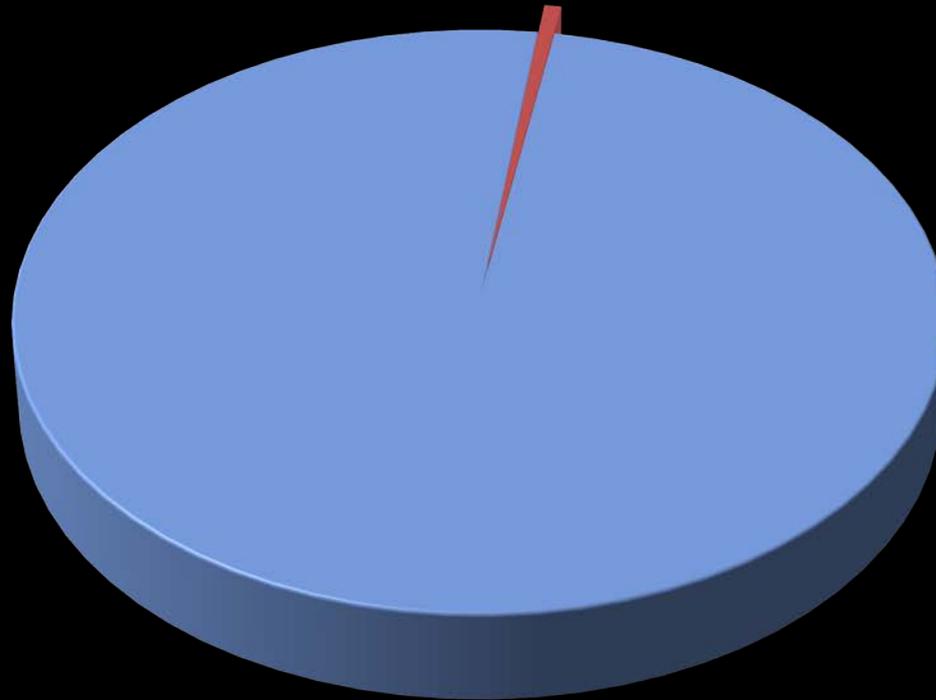
SOURCE: DEA

All Reported Crimes in Denver



CO's Total General Fund Revenue, FY 2015

- Marijuana Tax Revenue= 0.7%
(Medical and Recreational)



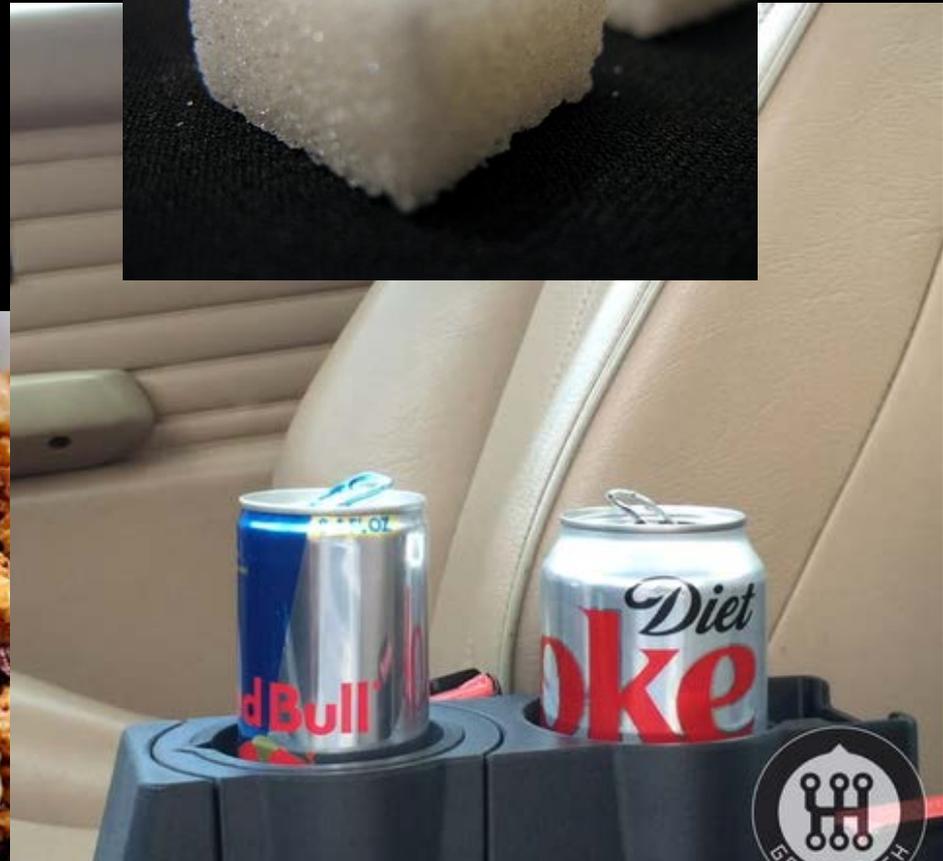
Edibles



Edibles

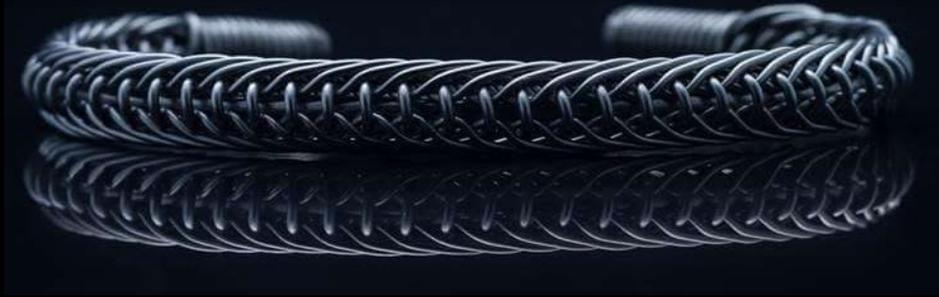


Edibles



SOURCE: Open Source

Outlook



Outlook



Lotus VapeCase iPhone Case with Integrated Vaporizer

~~\$59.99~~ \$9.99



\$25 for \$50 Worth of Vaporizers and Accessories from SMK24

~~\$50~~ \$25



Remember



SOURCE: Open Source

Snapshot in Colorado

Topic	Status
Public Safety	
Fatal Accidents	
Impaired Driving Incidents	
Youth (12 – 17 yrs)	
Past Month Use	
Suspension/Expulsion	

Snapshot in Colorado

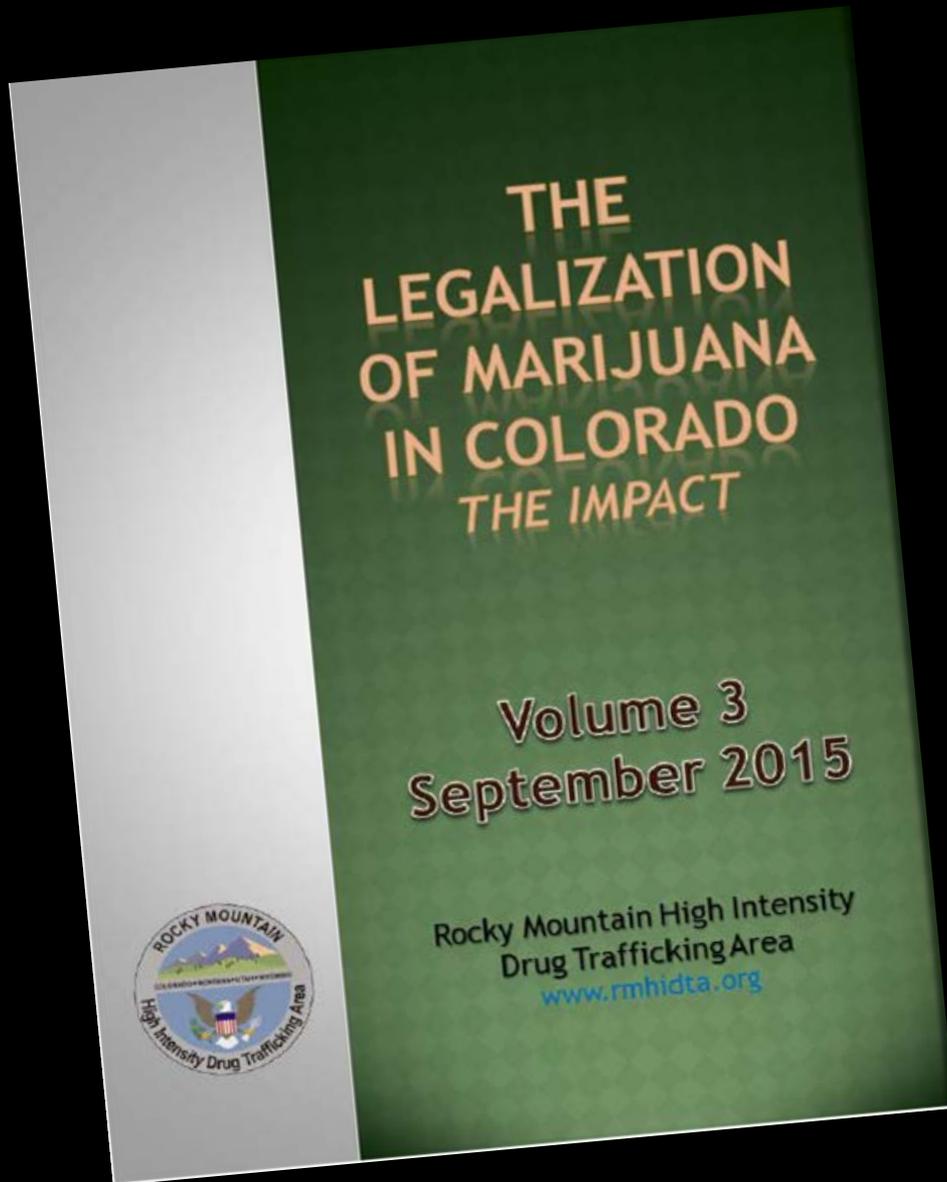
Topic	Status
College Age (18 -25 yrs)	
Past Month Use	
Adults (26+ yrs)	
Past Month Use	

Snapshot in Colorado

Topic	Status
Public Health Impact	
Emergency Room Admissions	
Exposures	
Exposures 0-5 yr olds	

Snapshot in Colorado

Topic	Status
THC Extraction Labs	
Explosions	
Injuries	
Criminal Activity	
Diversion by Motor Vehicle	
Diversion by Parcel	



To get a copy of the
entire report:

“Reports” Tab

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303-671-2180