



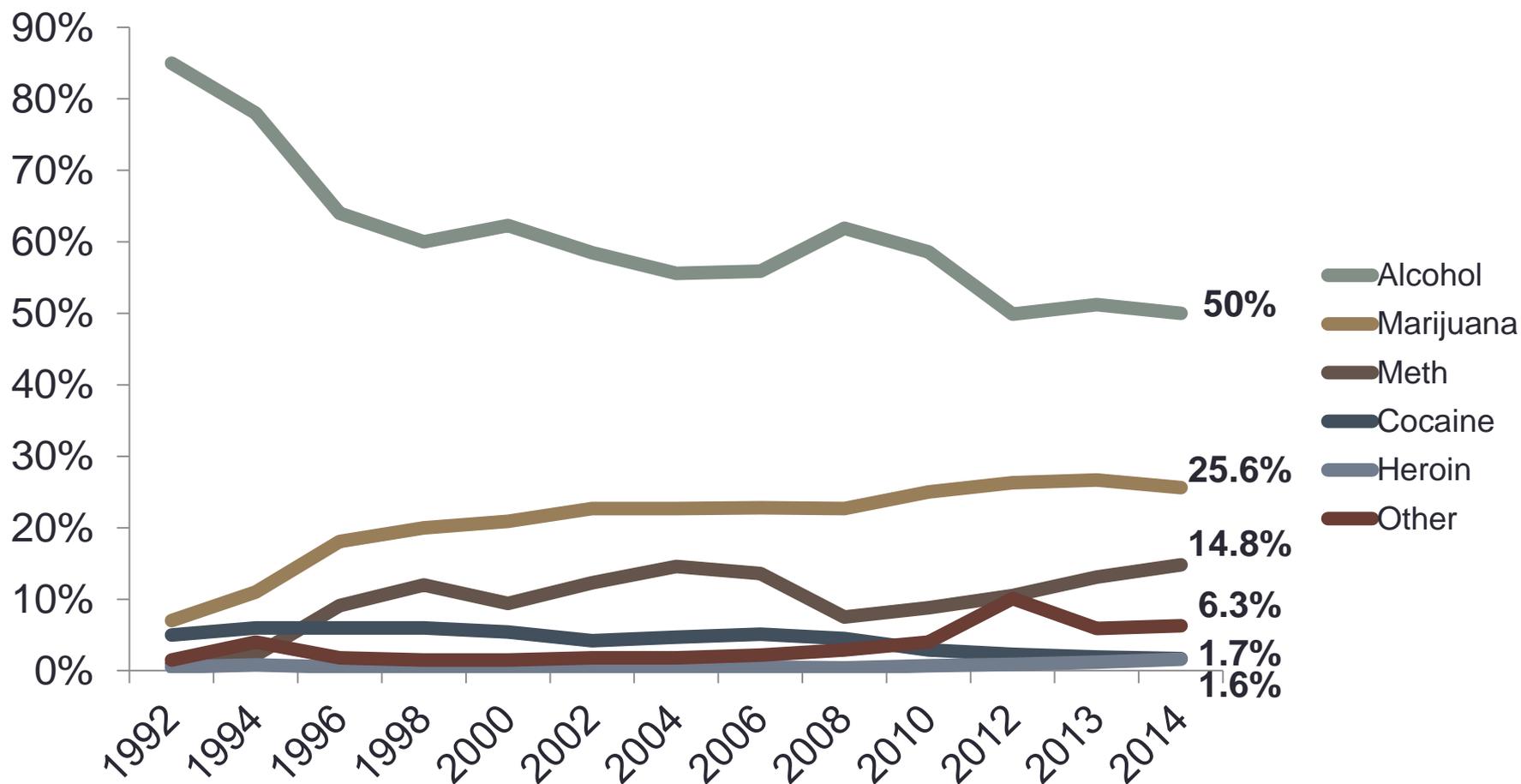
Drug Abuse in Iowa

Evolving Issues & Emerging Trends

Drug Endangered Children Workgroup
Iowa Office of Drug Control Policy
September 22, 2016

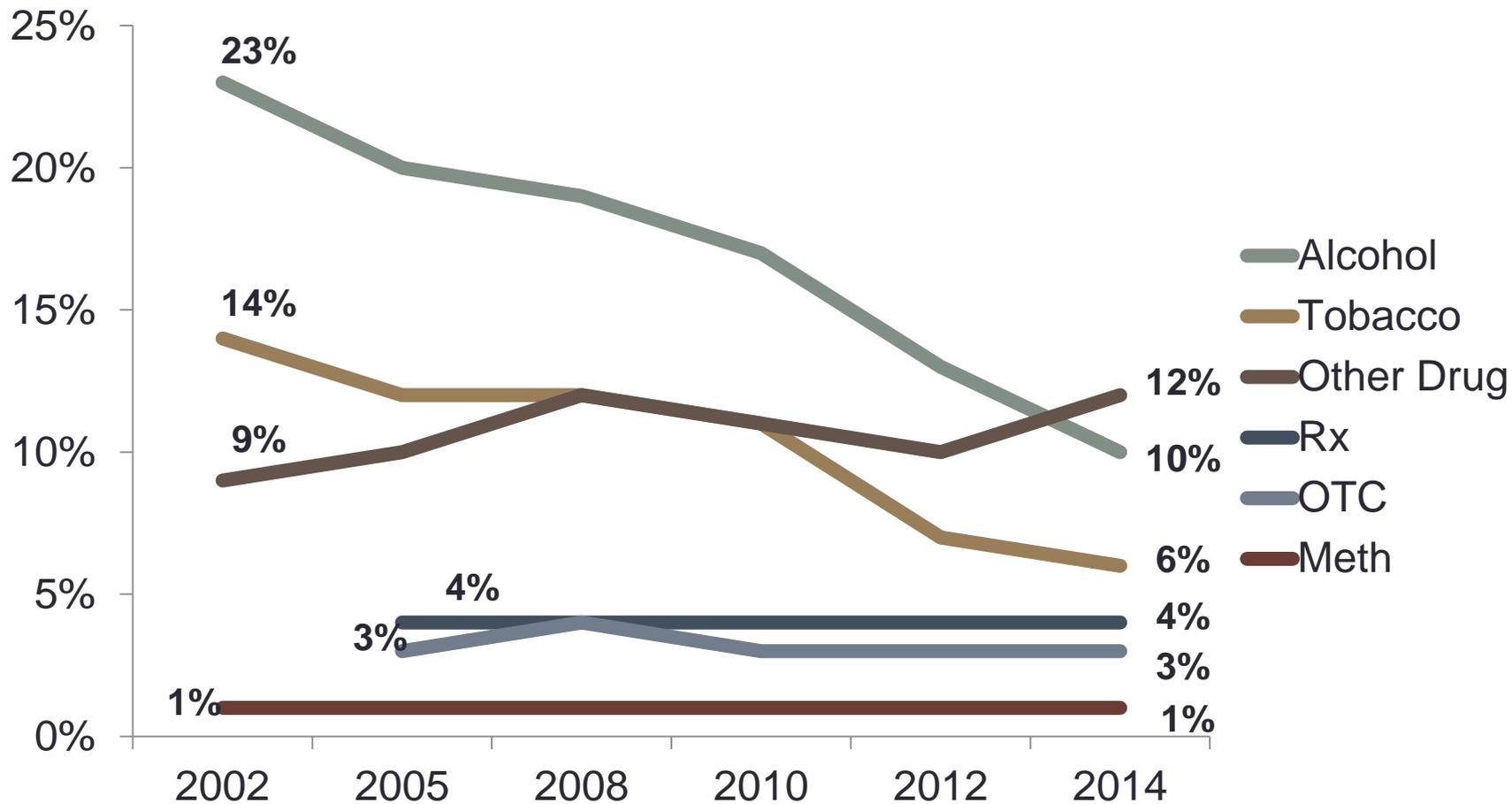
Drugs of Choice: All Iowans

Primary Substance of Choice by Iowans in Treatment



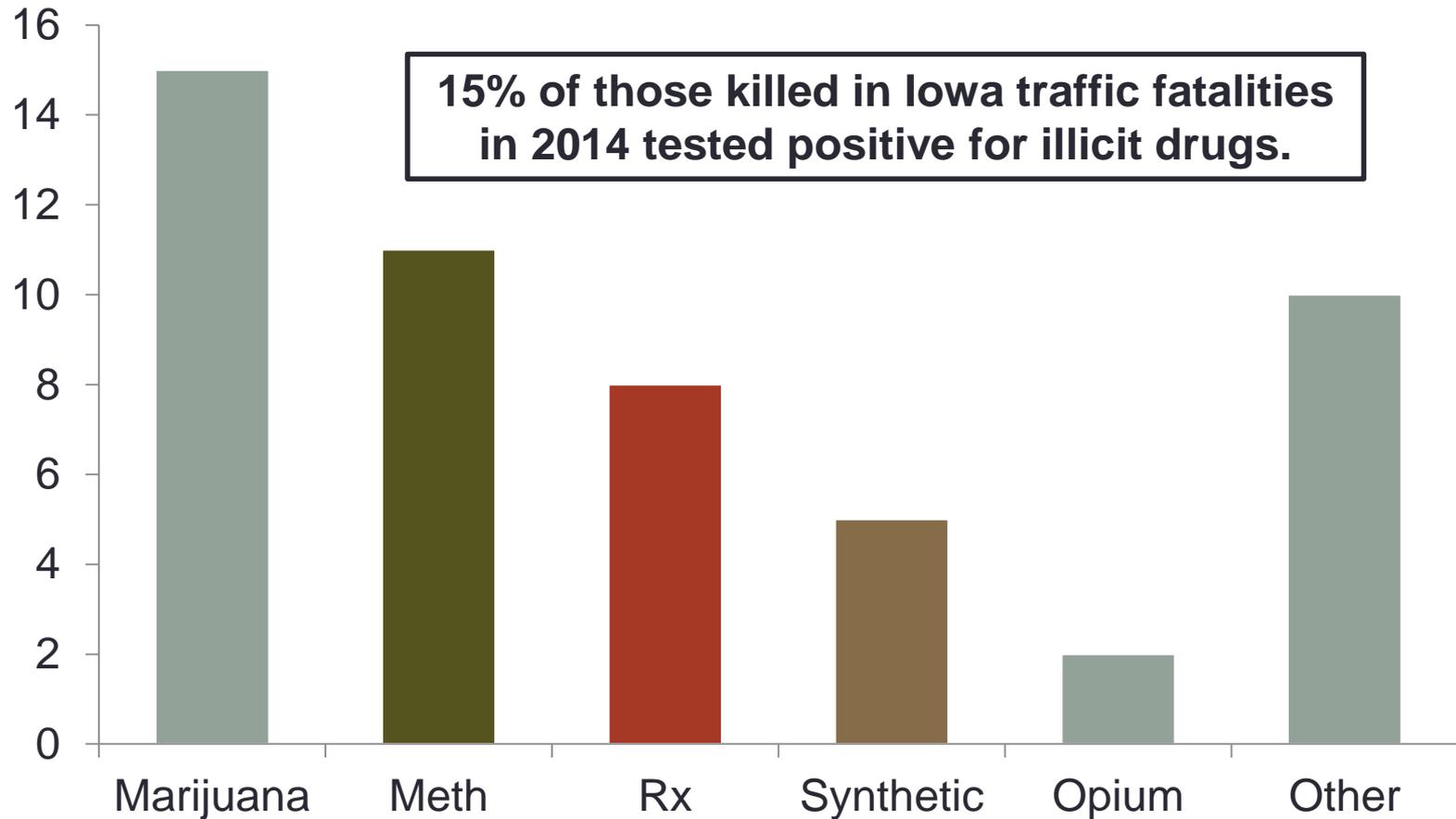
Iowa Youth Substance Abuse

6th, 8th and 11th Grade Users, Last 30-Days



Iowa Drug-Related Traffic Fatalities

Number Killed in 2014 Testing Positive for Illicit Drugs



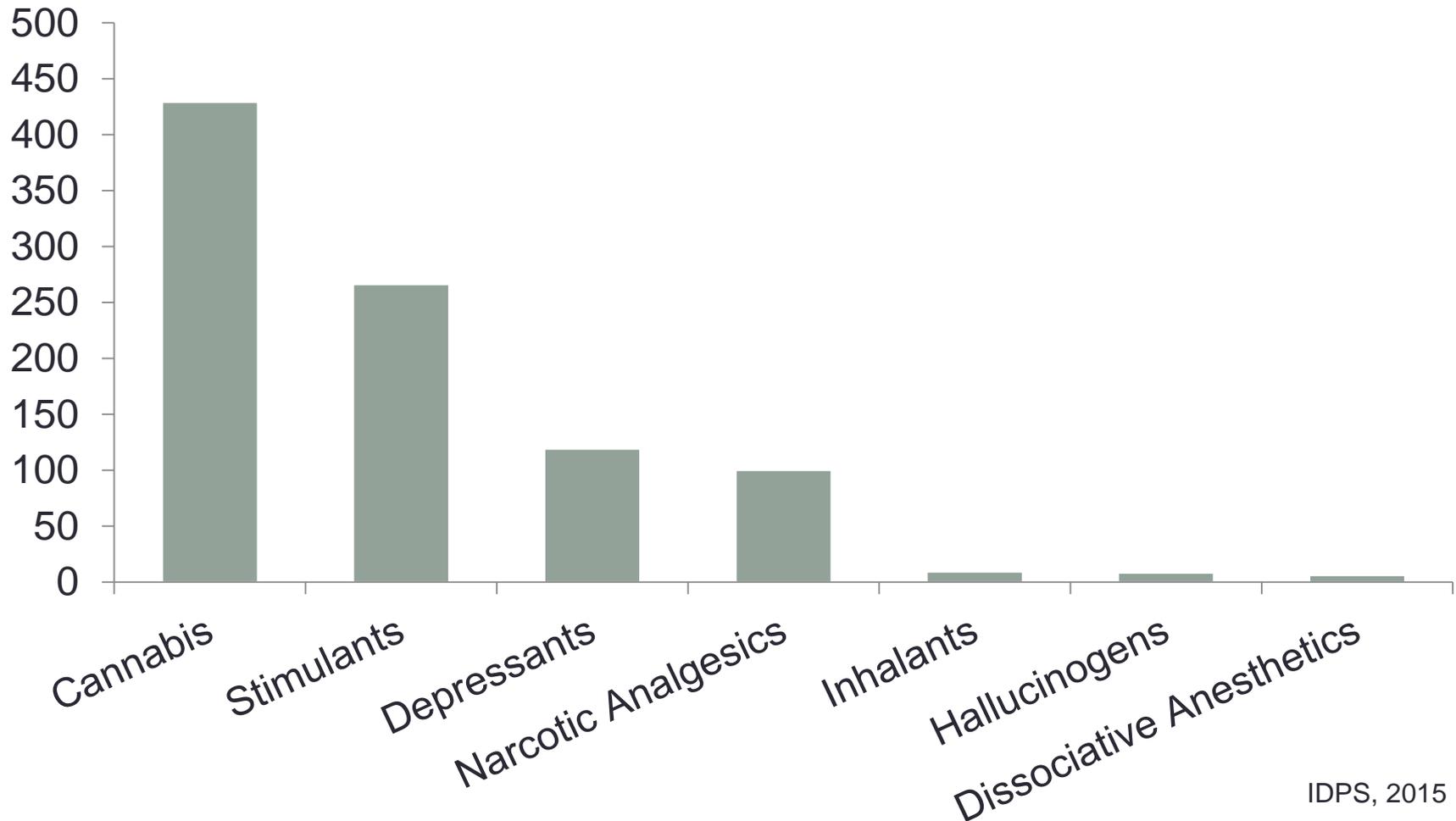
Does not include alcohol-related fatalities.

Alcohol & poly-drug combinations were detected in some crashes.

Source: IDOT, 2014

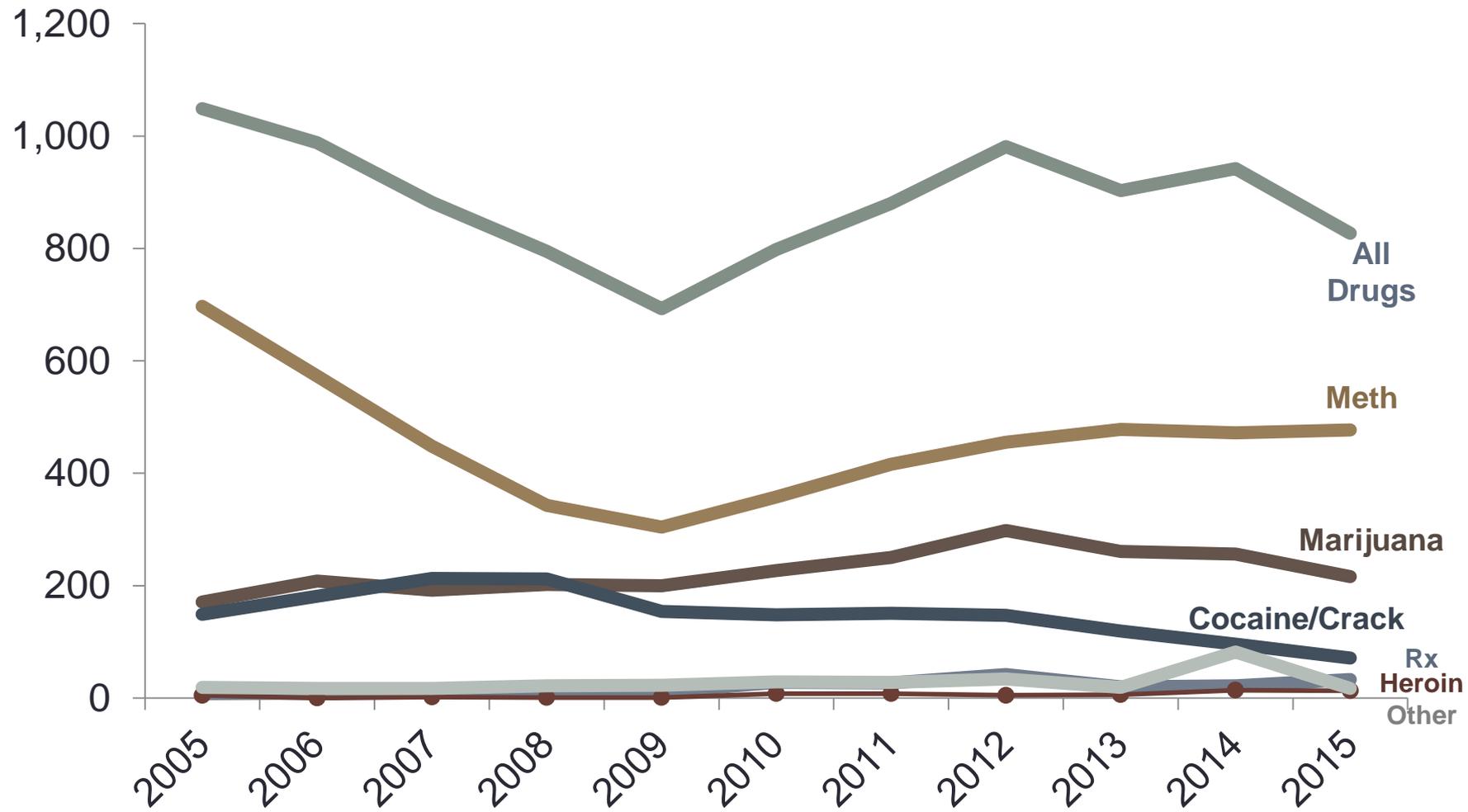
Iowa Drug-Impaired Driving

2015 Non-Alcohol Evaluation Findings by Drug Recognition Experts



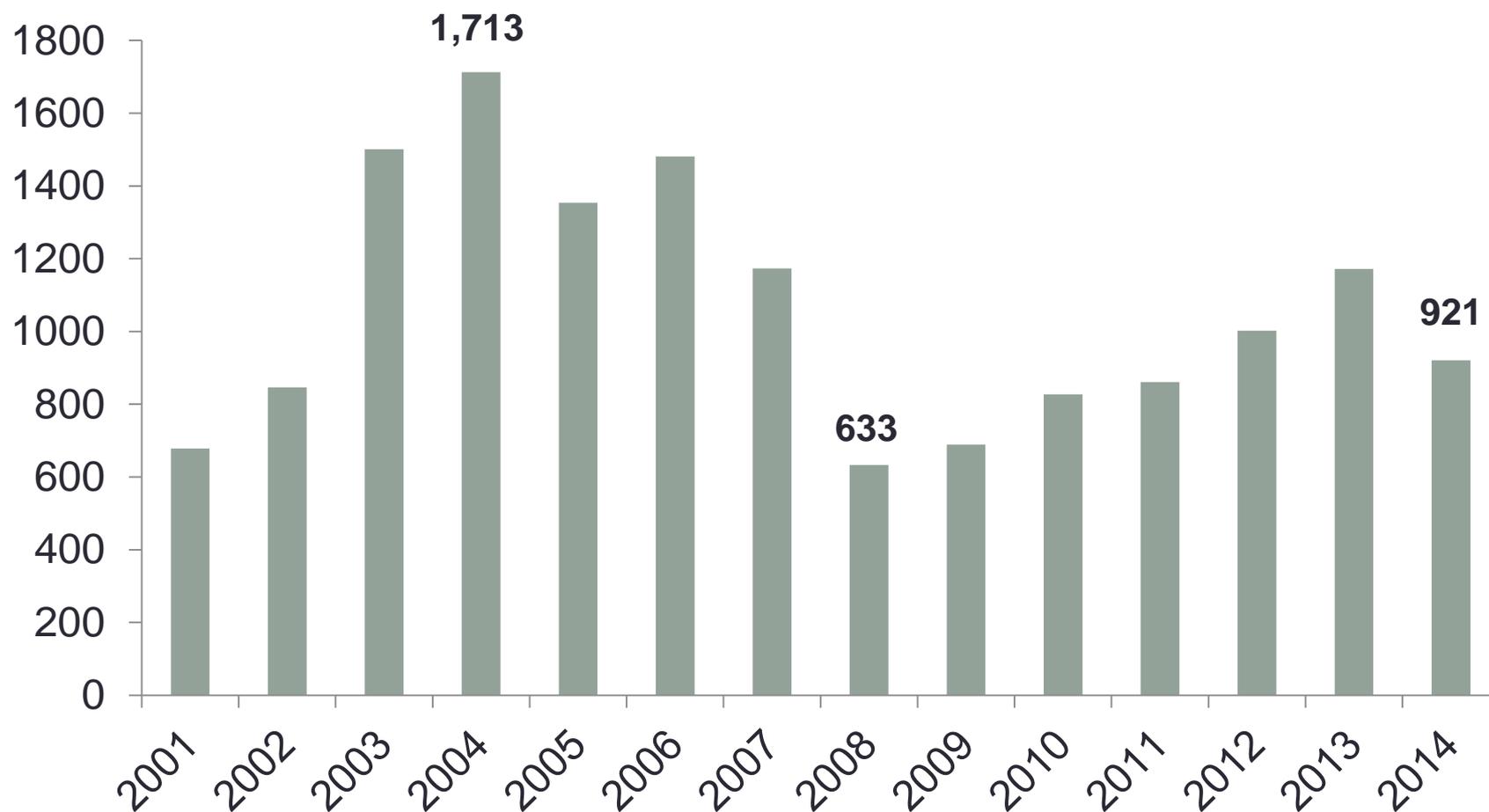
Iowa “Drug-Related” Prison Admissions

Primary Drug Involved



Iowa Drug-Related Child Abuse

Confirmed/Founded Cases: Illegal Drugs in a Child's Body



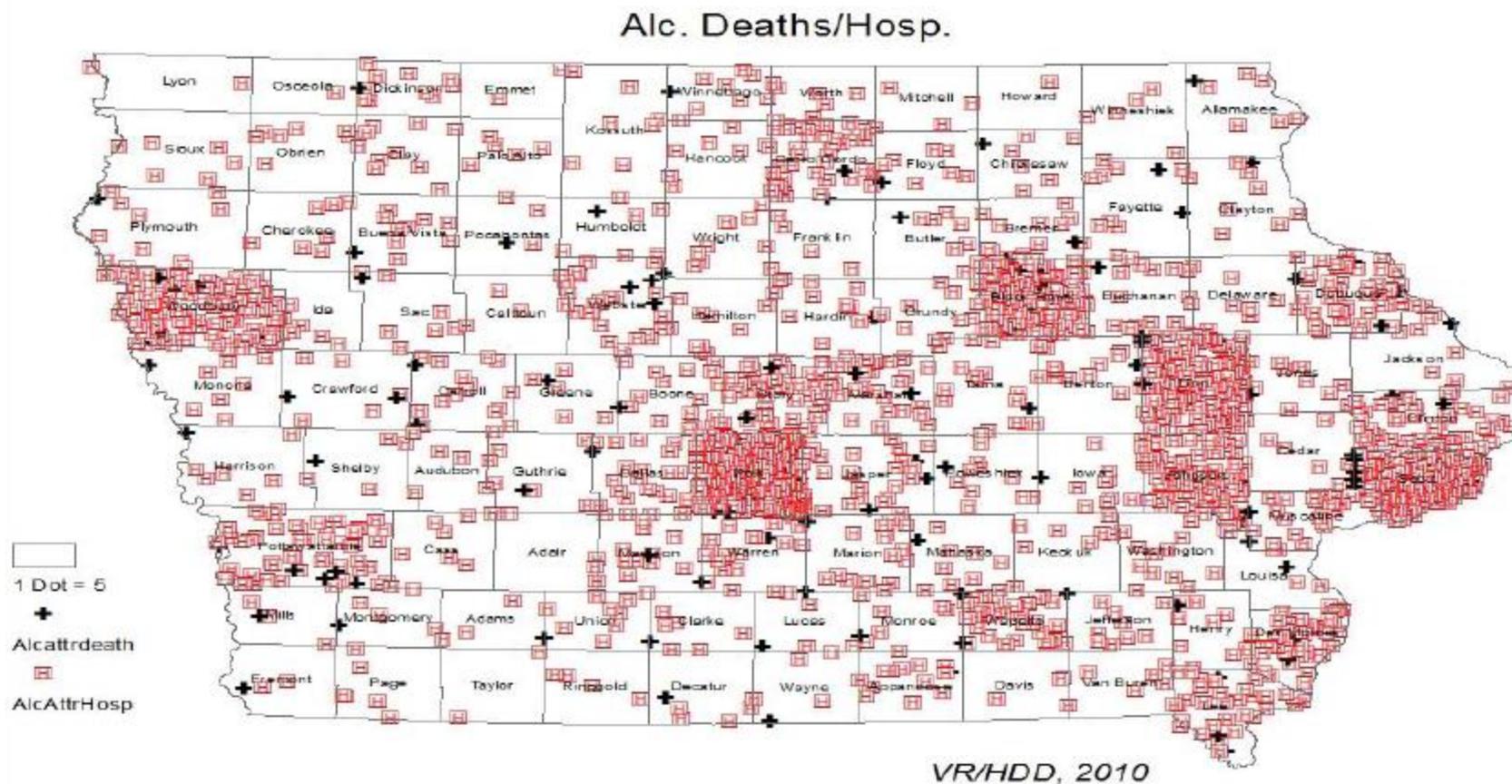
(Differential Response initiative began in 2014)

IDHS, 2015

Alcohol & Tobacco/Nicotine

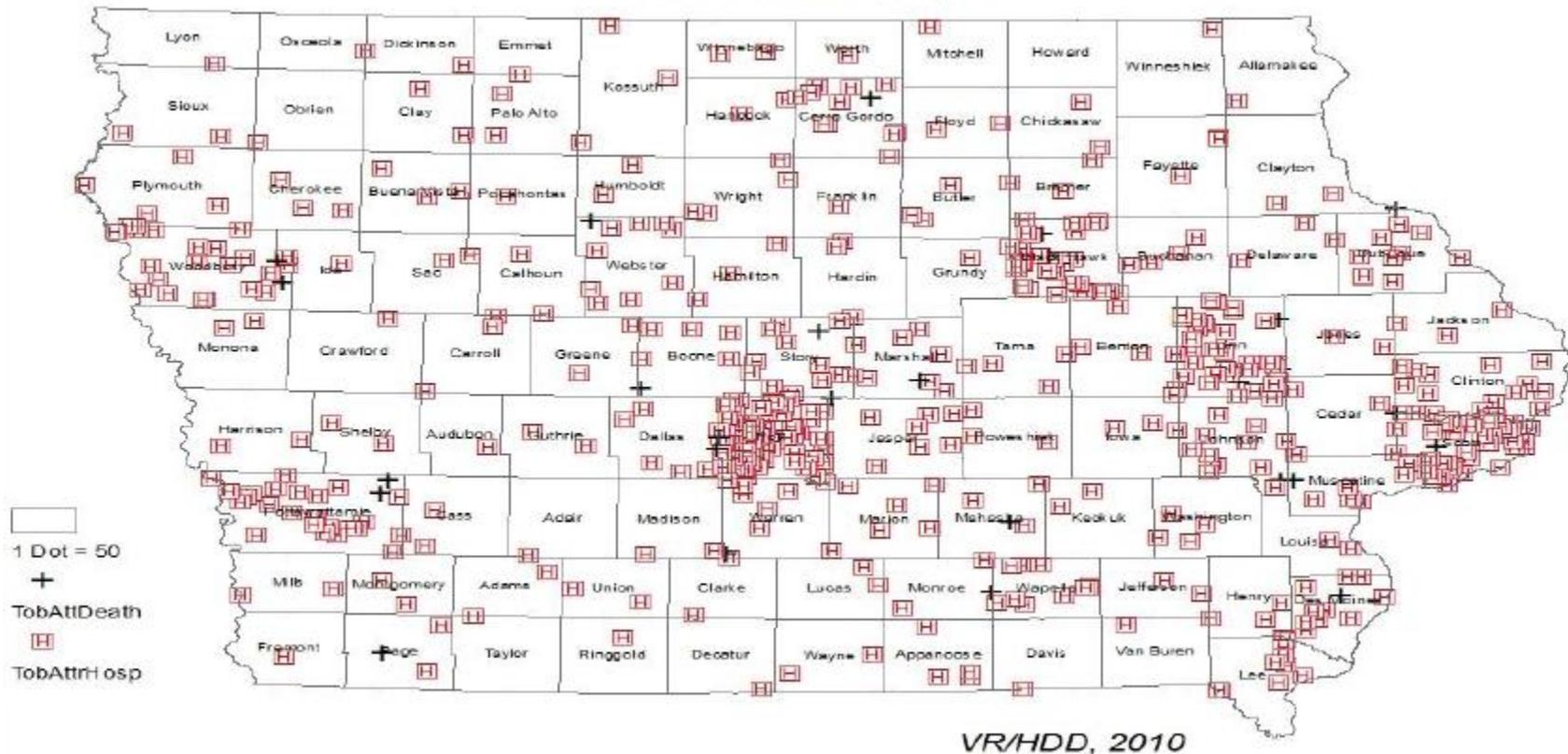


Iowa Alcohol-Attributed Deaths & Hospitalizations



Iowa Tobacco-Associated Deaths & Hospitalizations

Tob Deaths/Hosp.



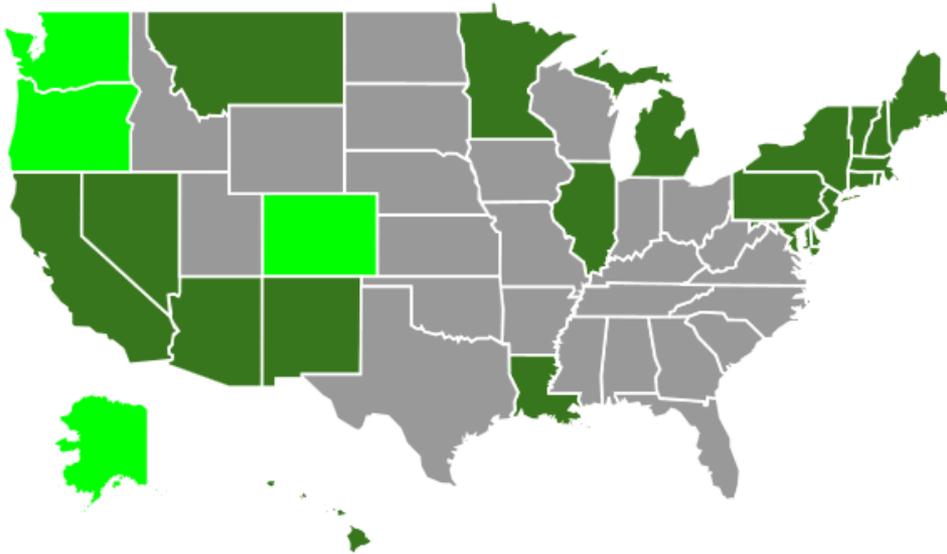


Marijuana

Marijuana Laws & Use by Teens

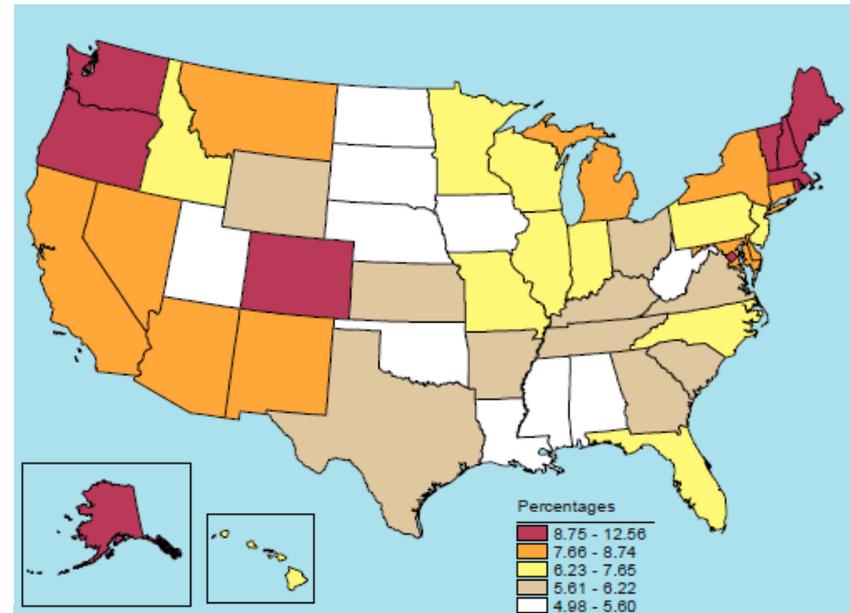
by State

“Medical” & “Recreational” Marijuana Laws
(2016 Governing.com)



- Olive = “Medical” marijuana (*25 & DC). [OH June 2016]
- Lime = “Medical” & “Recreational” marijuana (4).
- Not Shown: Low THC non-psychoactive “CBD” oils (18, including Iowa, where the Pharmacy Board recommended in 2015 the Legislature consider rescheduling CBD only).

Past Month Use by 12-17 Year Olds
(2013-2014 NSDUH)



Distinction with a Difference

Cannabis-Based Medicine:

Cannabis derivatives that test safe & effective as research-based medicines for use by health care professionals in treating patients with valid medical needs, & regulated to reduce public safety risks.

Medical Marijuana:

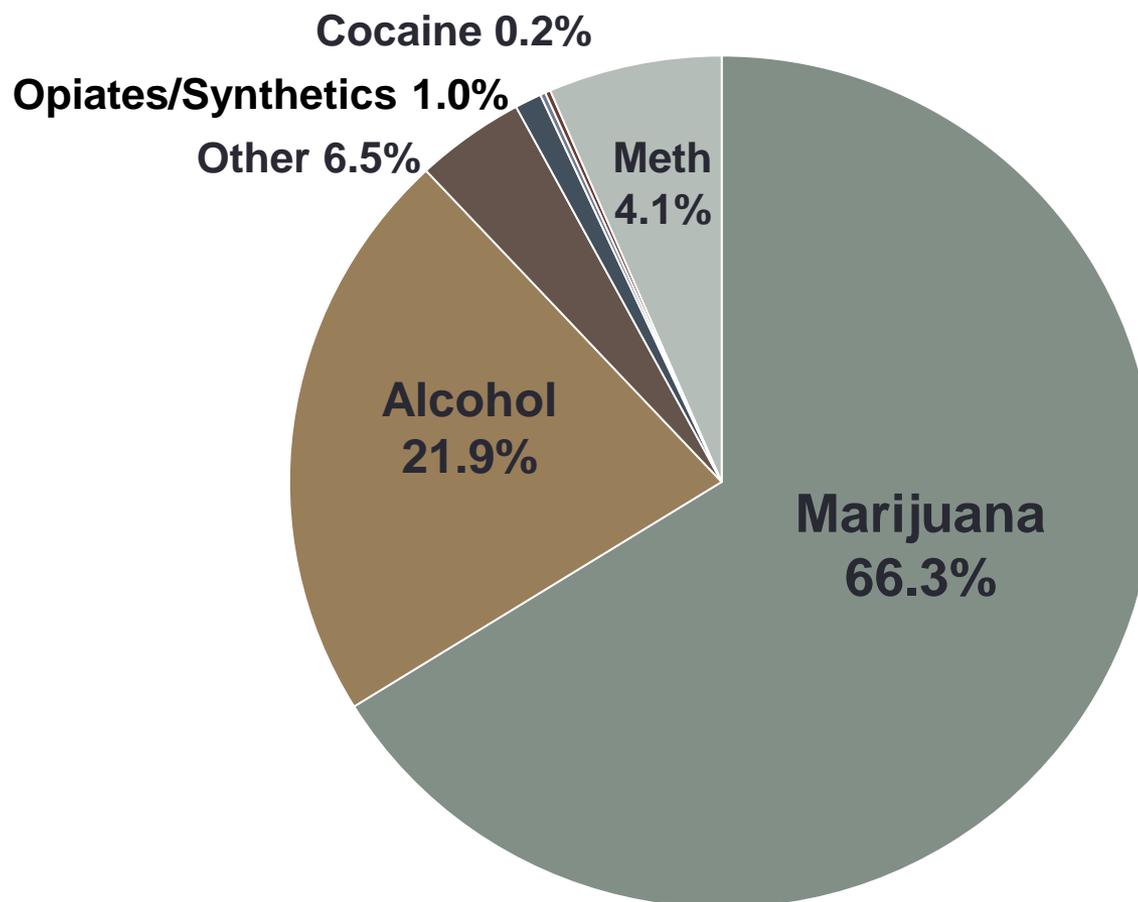
Differing forms of cannabis approved by legislative or popular vote in some states for treating various health conditions, with fewer controls & safeguards than FDA-approved medicines.

Iowa Law:

Permits regulated use of limited quantities of CBD oil to treat qualified patients with intractable epilepsy.

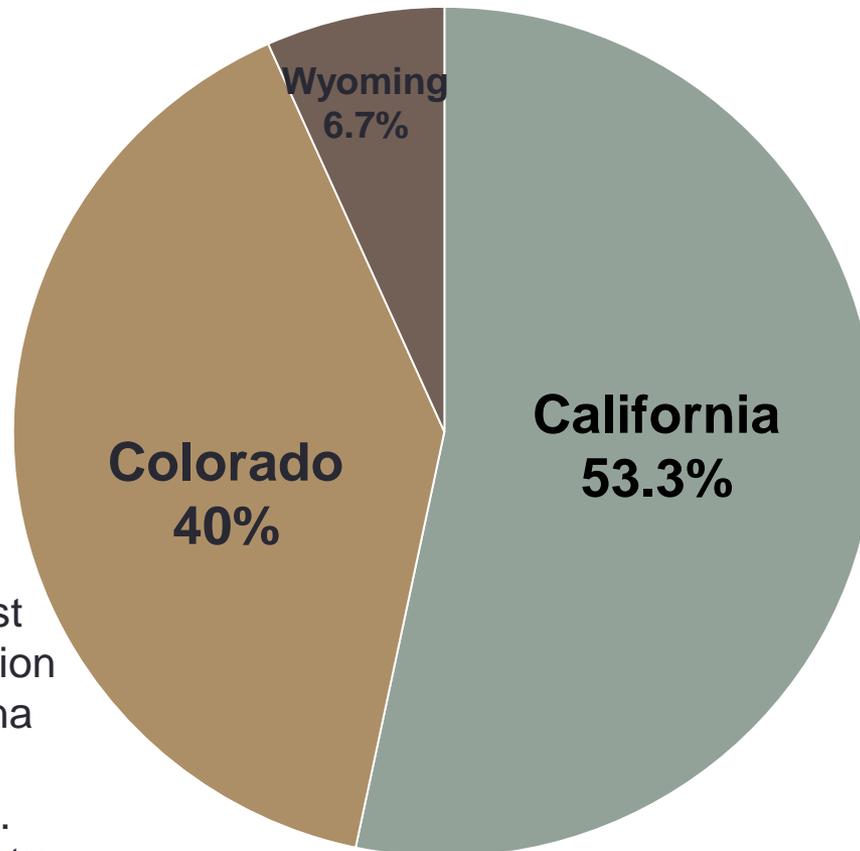
Iowa Youth Drugs of Choice

Primary Substance by Juvenile Clients Entering Treatment



Source of Marijuana Seized in Iowa

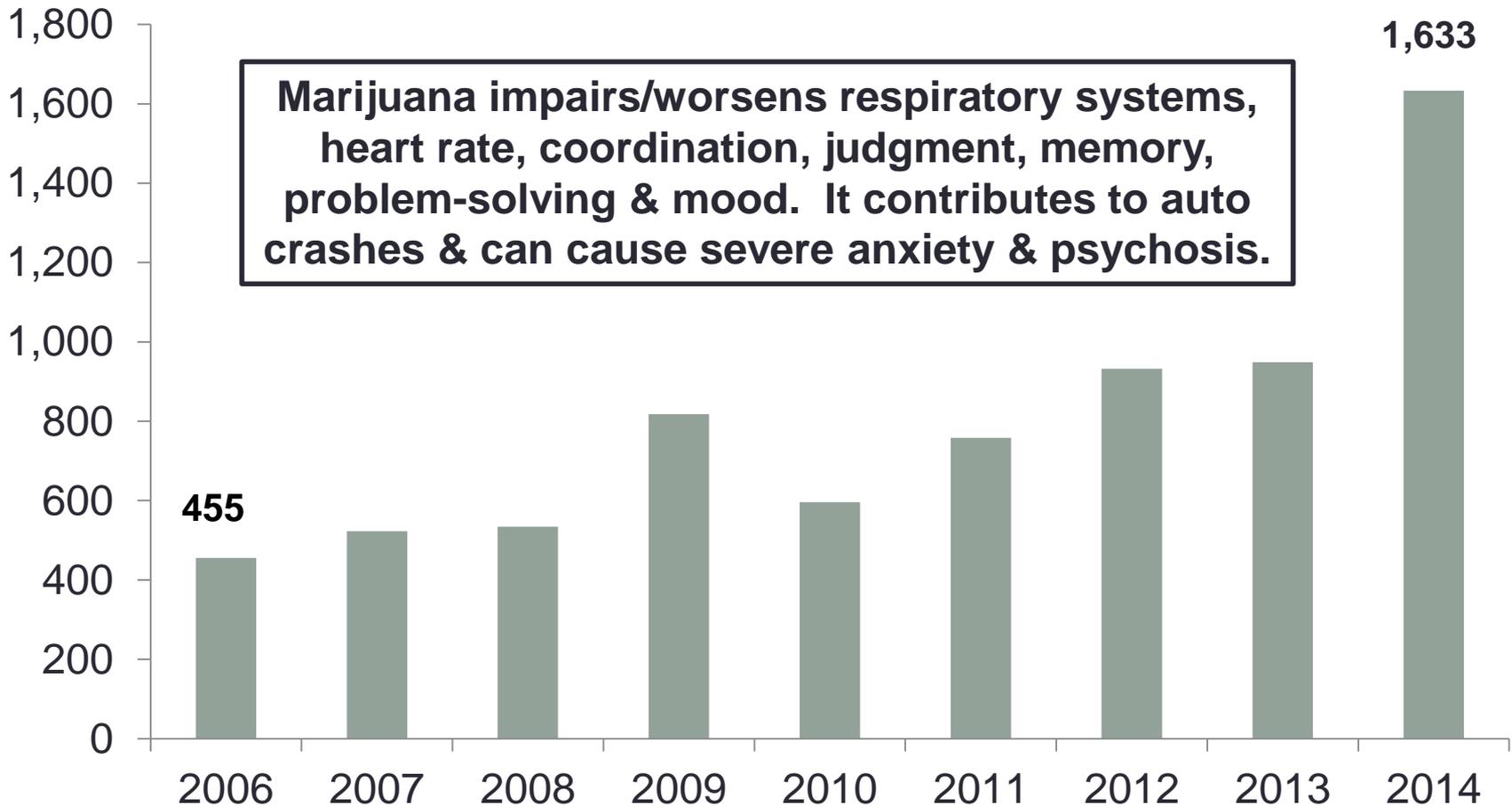
2015 Iowa State Patrol Significant Highway Interdictions



Iowa was the 4th most frequent state destination for Colorado marijuana seized in highway interdictions in 2015.
2016 El Paso Intelligence Center

Iowa Marijuana ER Visits

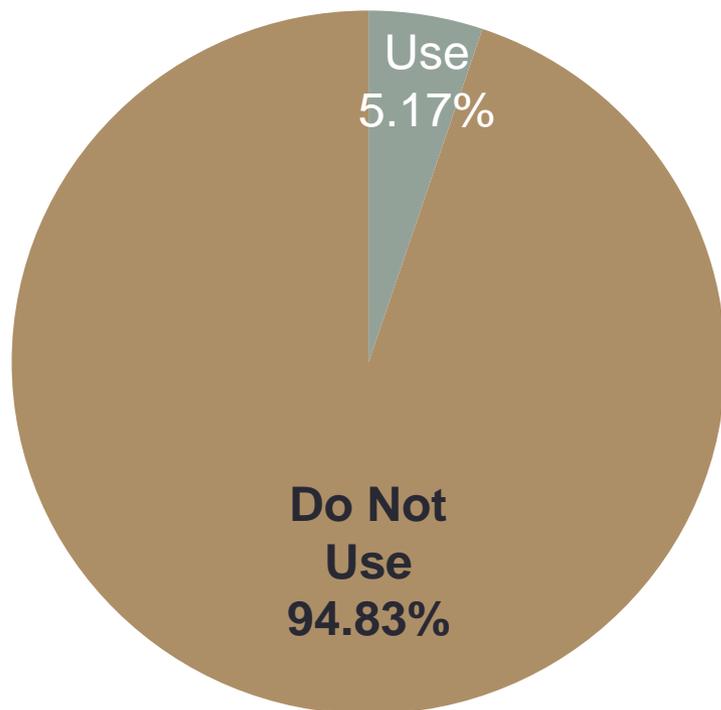
Cannabis Use as Causal or Contributing Factor



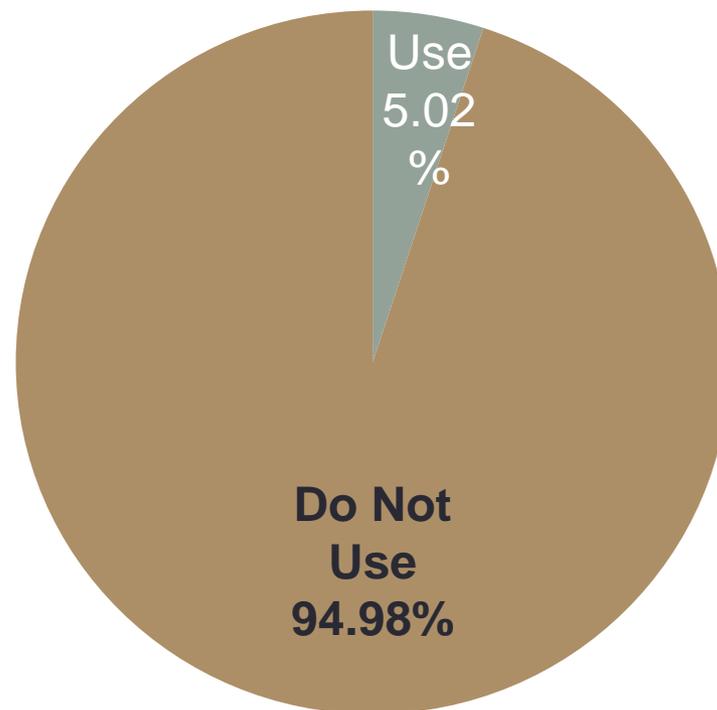
Iowans' *Current* Marijuana Use

Most Iowans are not *current* marijuana users (past 30 days).

**Iowa Youth 12-17 years old
currently using marijuana.**

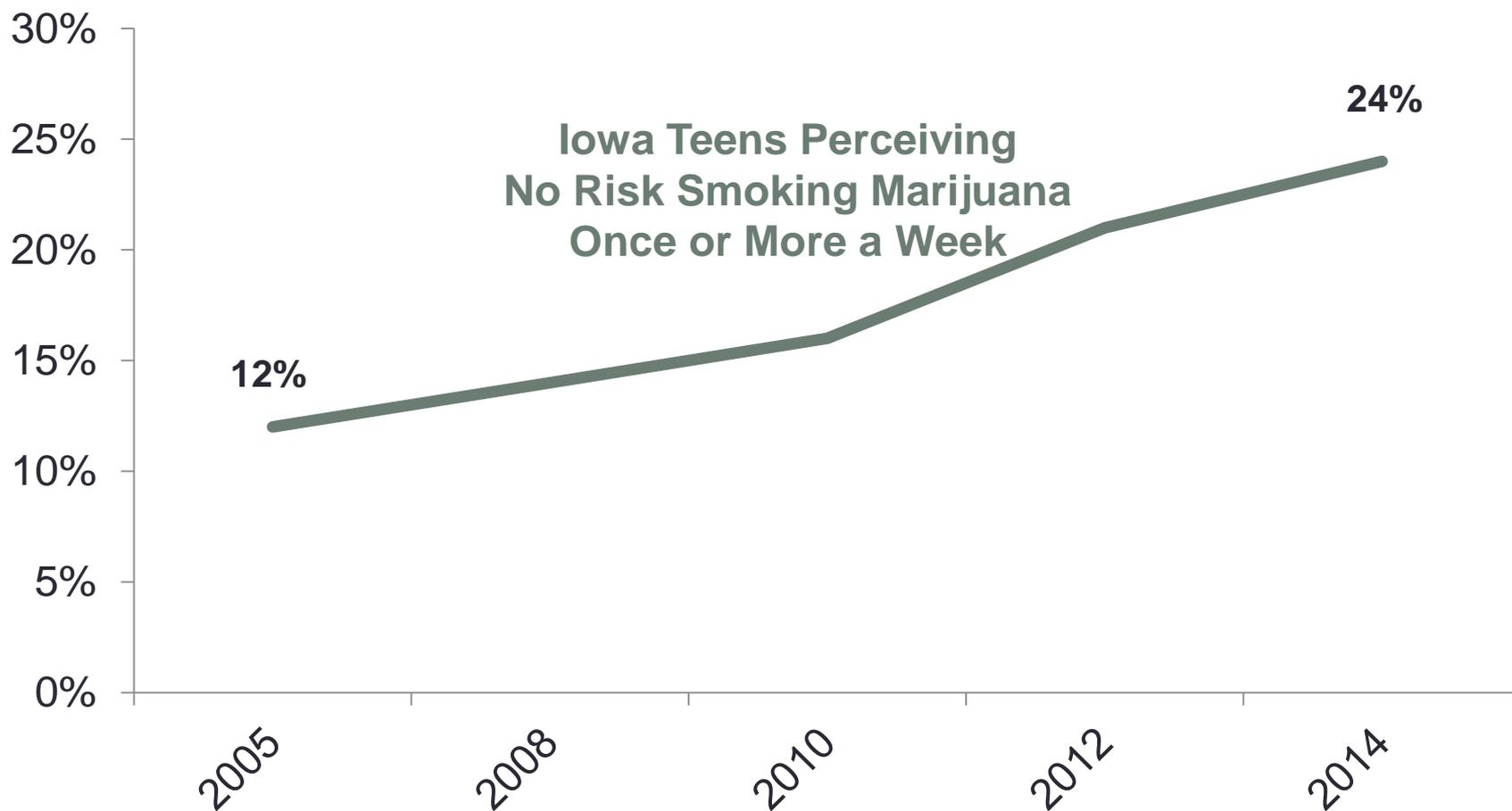


**Iowans 12 & older
currently using marijuana.**



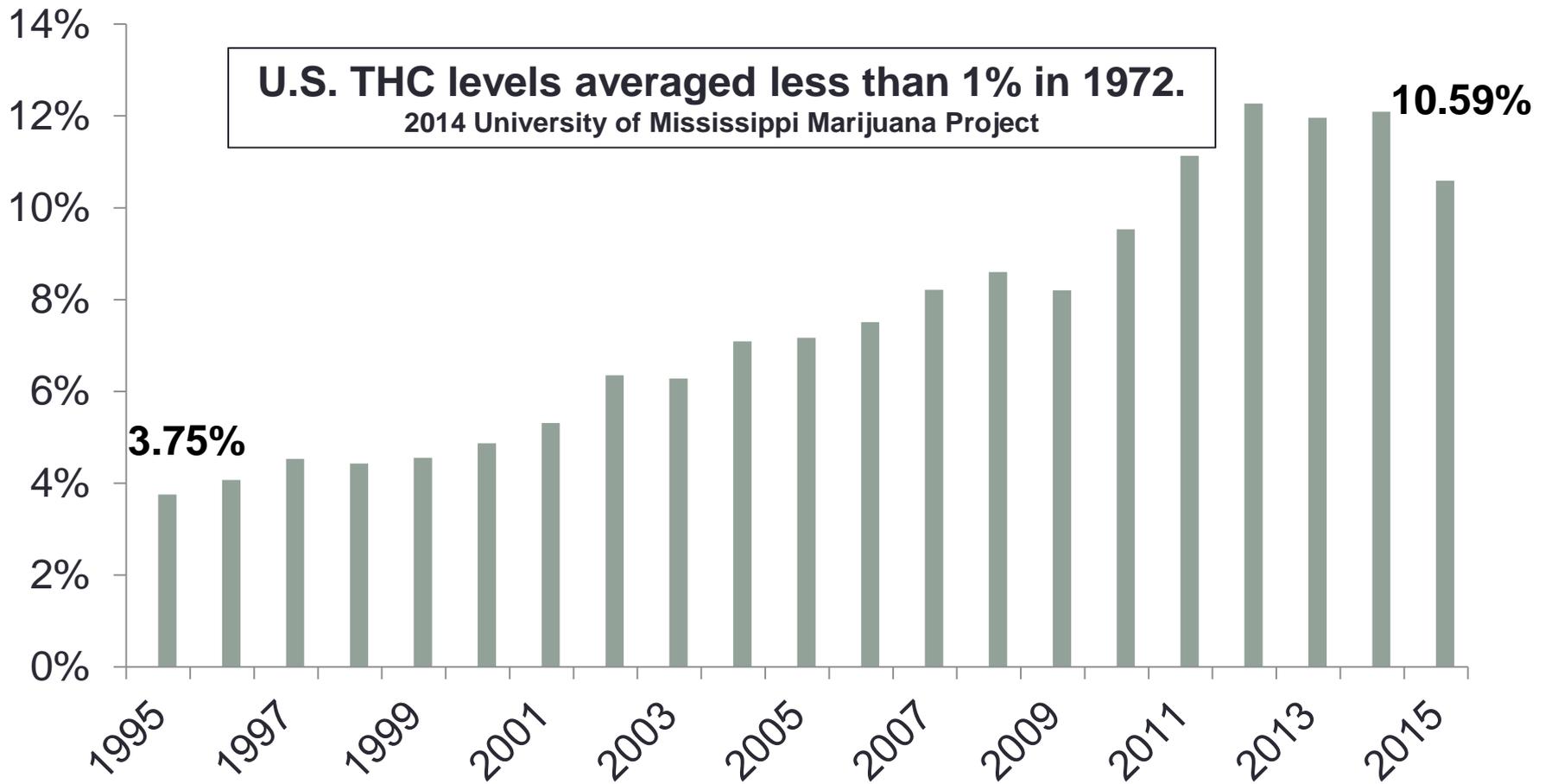
Youth Marijuana Attitudes

Among Iowa 11th Graders



Marijuana's Increasing THC Potency

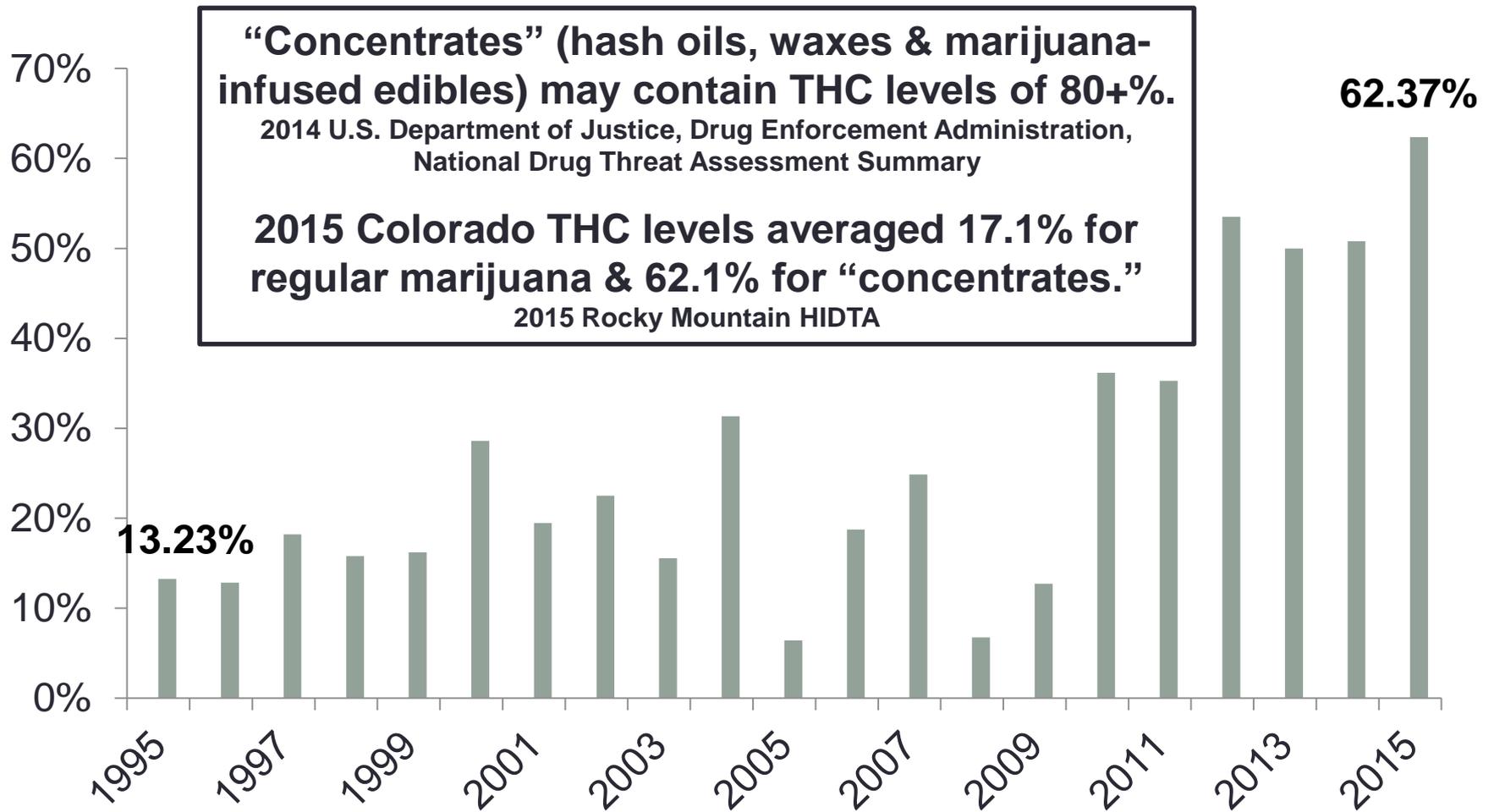
Plant Material ("Weed") Seized in U.S.



University of Mississippi Marijuana Project, through 6-22-16

New Marijuana's Rising THC Potency

Hash Oil Seized in U.S.



University of Mississippi Marijuana Project, through 6-22-16

Concentrates

Beyond the Plant...

NOW AVAILABLE AT

Peak
REG 21+
DISPENSARY

HUNDREDS OF EXTRACTS
AND EDIBLES
50+ STRAINS OF FLOWER
GIFT WRAPPING IS AVAILABLE!

**THE PURE
94%
THC**

3RD & BROADWAY, DENVER • 720-390-7804 • PEAKMJ.COM

NOW AVAILABLE AT

Peak
MEDICAL
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HUNDREDS OF EXTRACTS
AND EDIBLES
50+ STRAINS OF FLOWER

**THE CLEAR
95%
THC**

THE CLEAR
The Clear & Clear - Natural Potent Flavors

Concentrates

Beyond the Plant...



"Green Crack"
wax



"Ear Wax"



Butane Hash Oil
(BHO)



Hash Oil Capsules



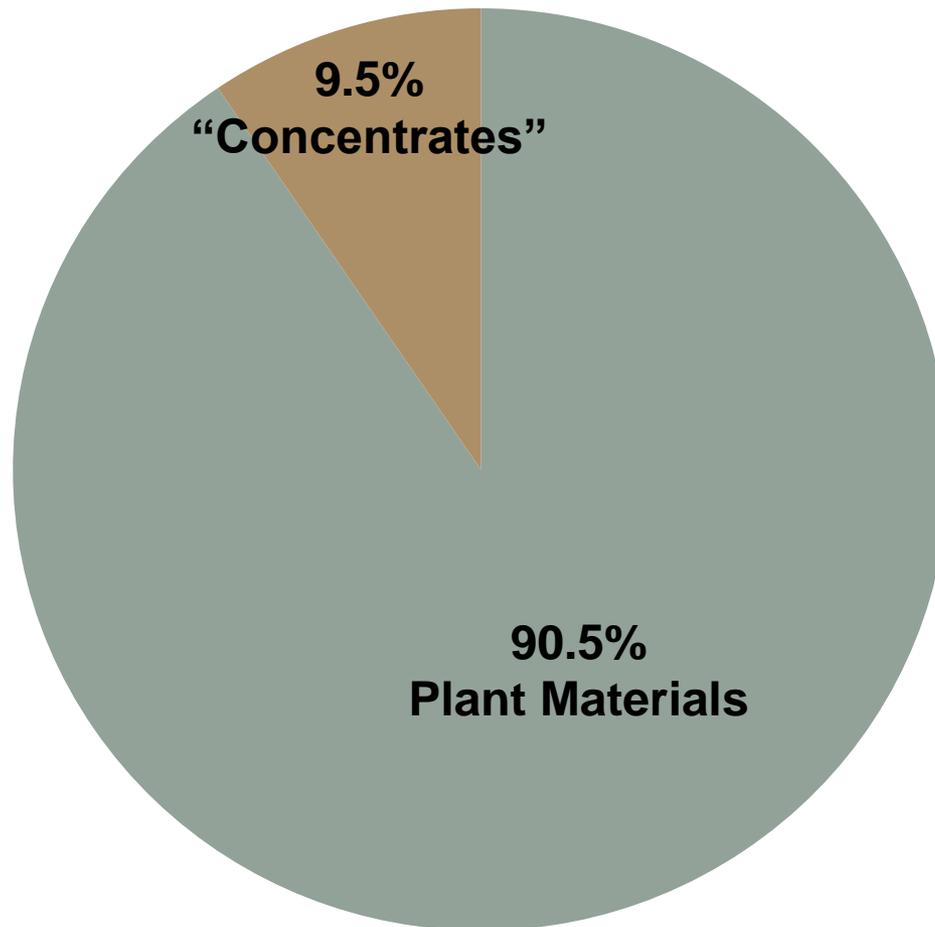
"Budder"



"Shatter"

New Marijuana in Iowa

Approximately 9.5% of all 2015 marijuana samples submitted to the Iowa crime lab involved marijuana “preparations,” or “concentrates” (e.g., hash oils, waxes & marijuana-infused edibles).



Iowa Marijuana Policy

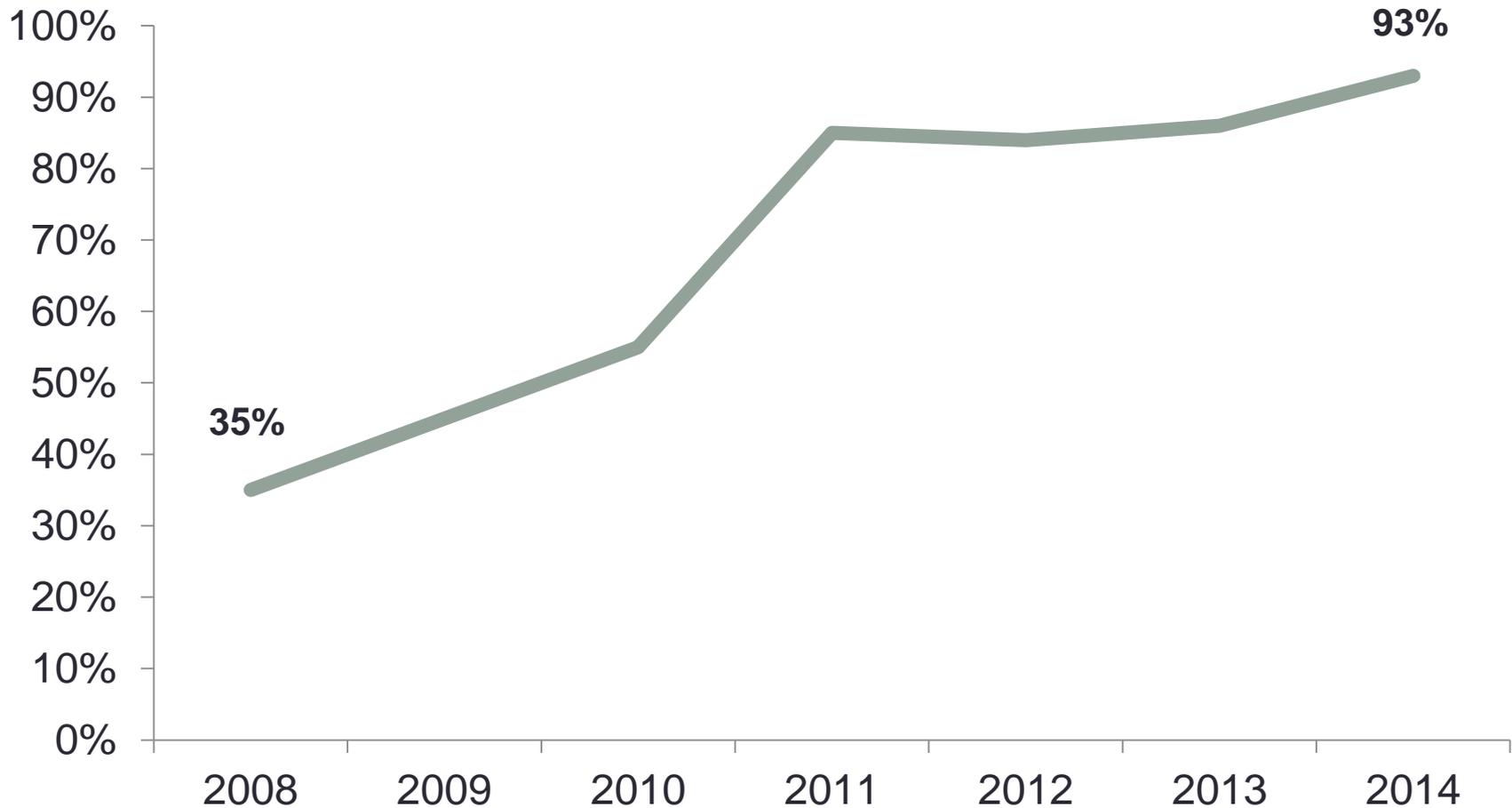
- Marijuana, or a substance with *any amount of THC, is illegal as a Schedule I Controlled Substance in Iowa (similar to federal law).
- The 2014 Iowa Medical Cannabidiol Act (SF 2360) permits very limited use of CBD oils that are *low in THC (<3%) to treat intractable epilepsy.
- 25 states & DC have voter approved or legislated “medical” marijuana; 4 states have voter approved “recreational” marijuana; & 18 states, including Iowa, have CBD laws.
- Congress is considering proposals, including a Marijuana Effective Drug Studies (MEDS) Act to promote research on the medical effectiveness & safety of marijuana components.

Meth



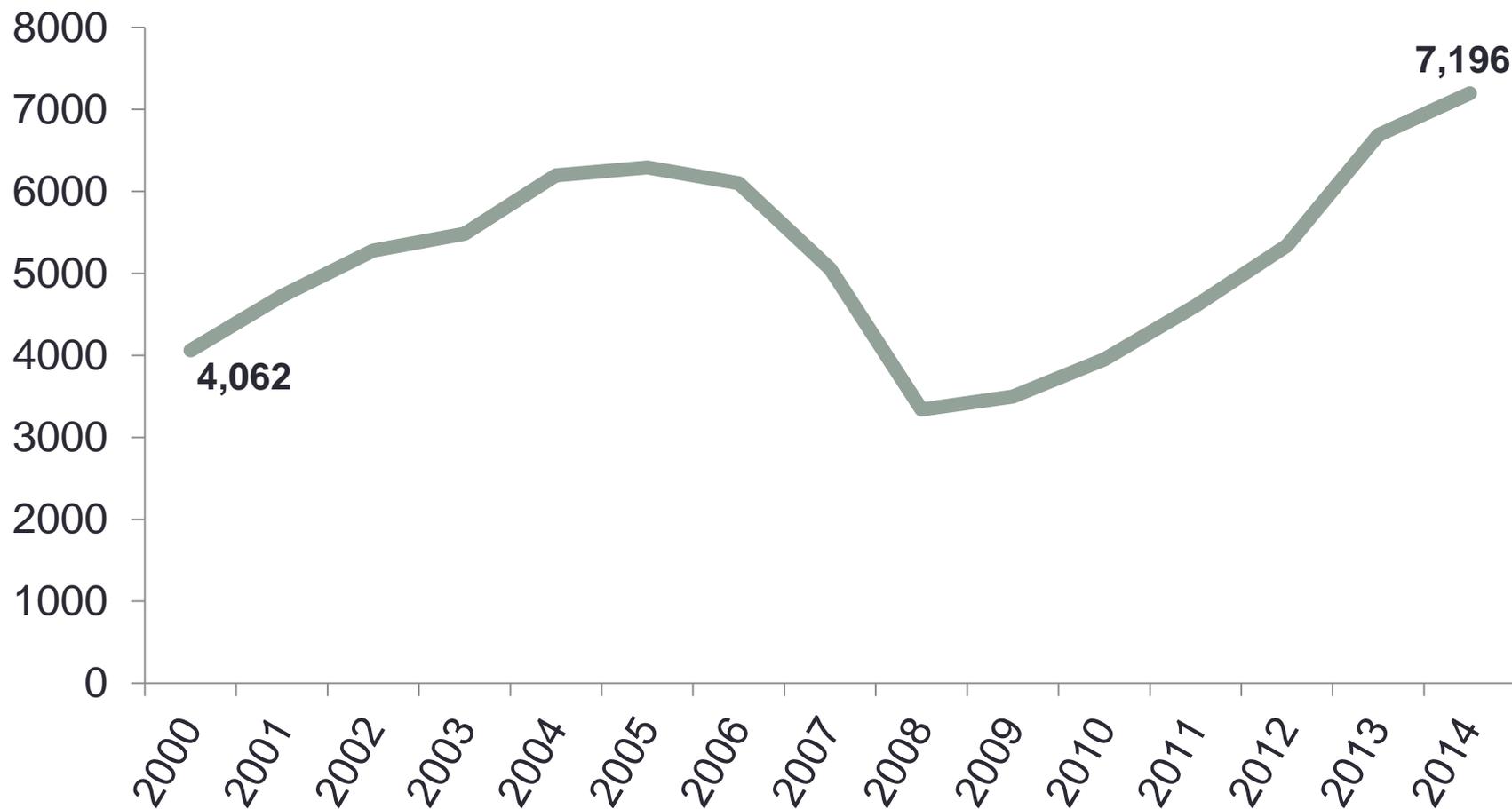
Iowa Meth Purity

Crime Lab Fiscal Year Averages



Source: IDPS, 2014

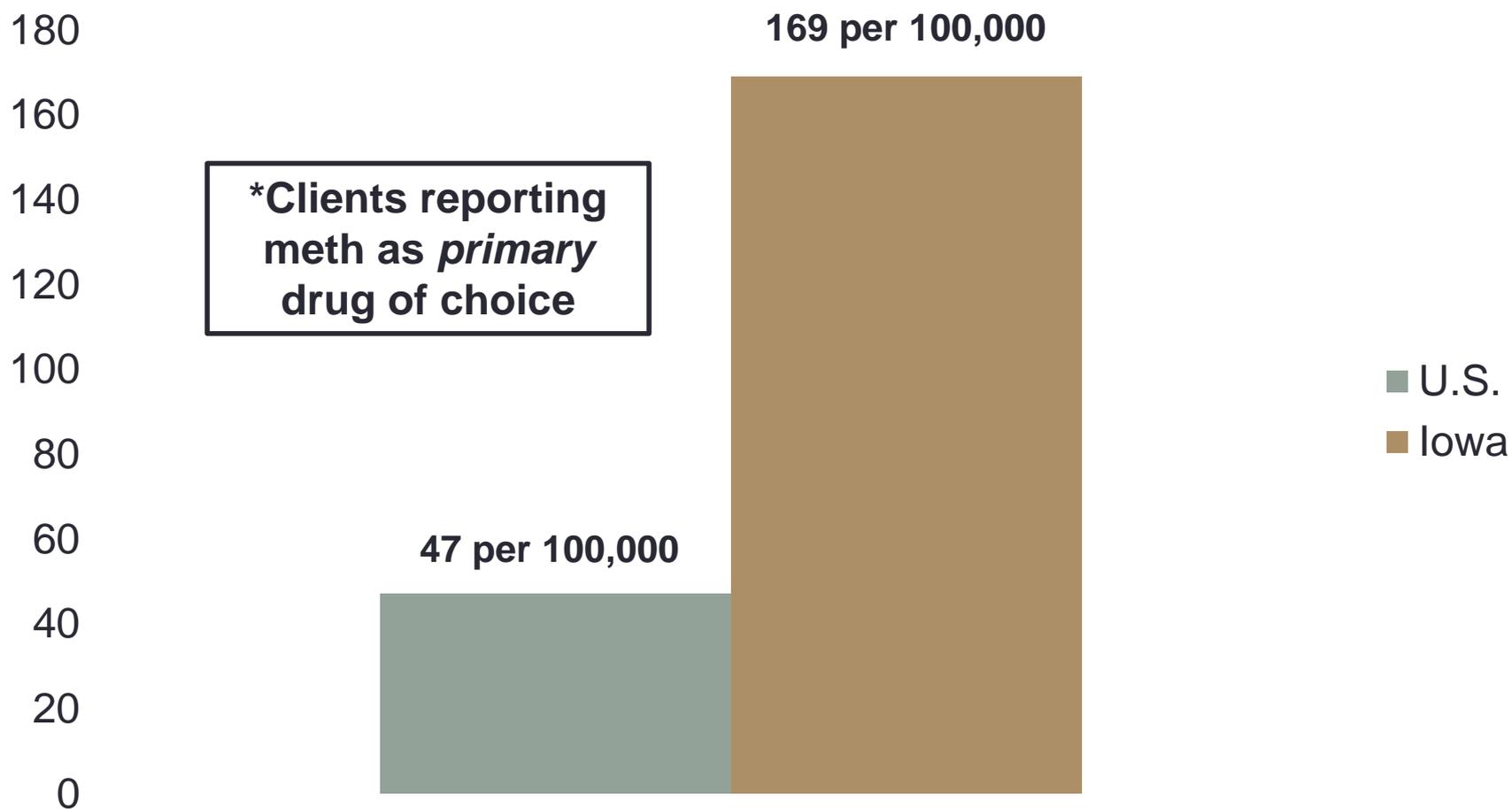
Iowa Meth Treatment Admissions



Source: IDPH, 2014

Rate of Meth Treatment

*ALL 12+ Substance Abuse Treatment Admissions for Meth



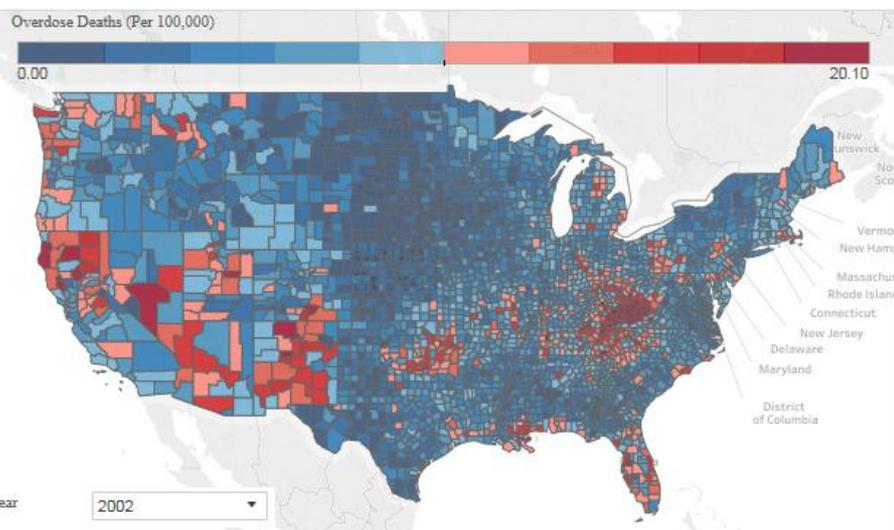
Iowa Meth Use Treatment Rate 3rd Highest in US (& 8th Highest Number). Source: TEDS 2012

Opioid & Rx Abuse

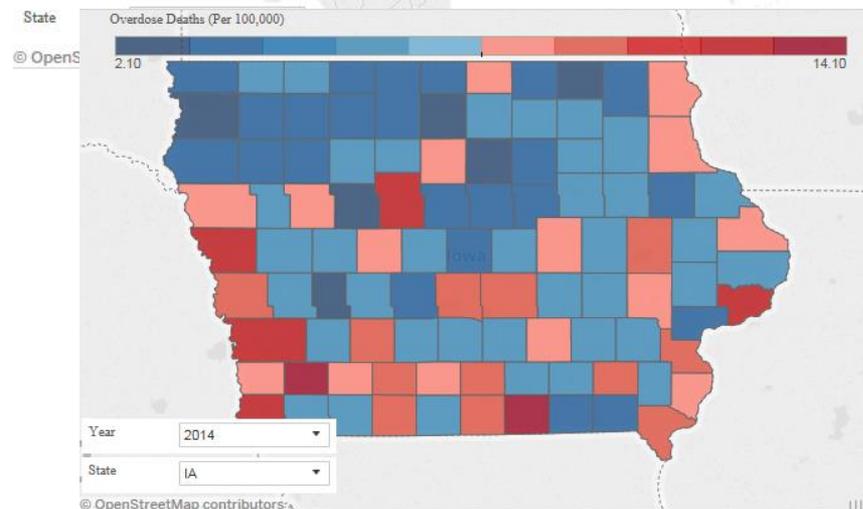
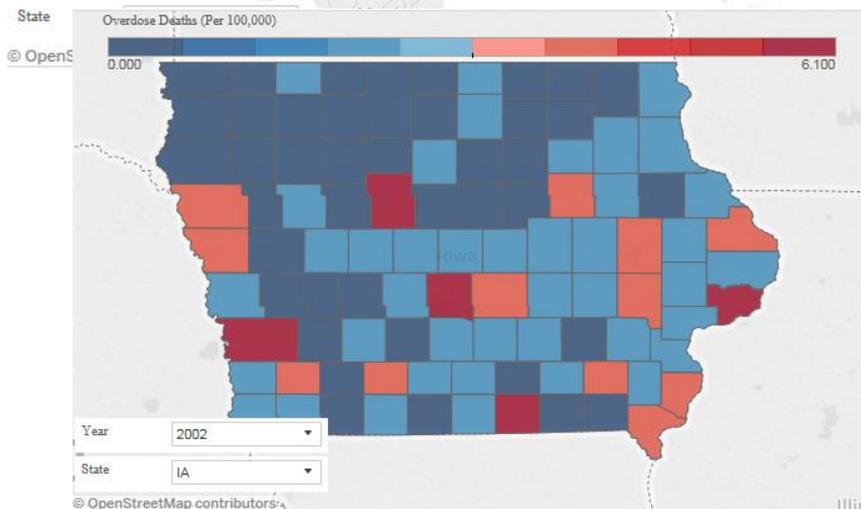
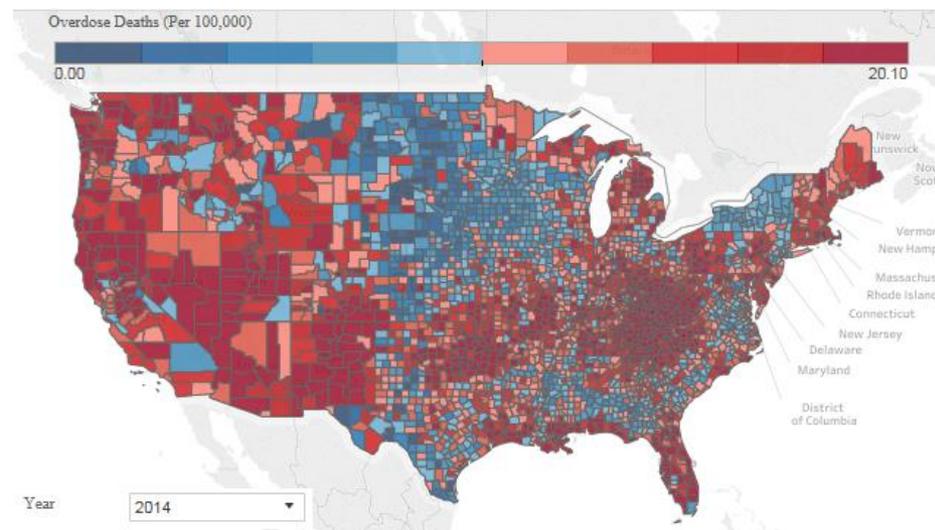


Opioid OD Death Rates: 2002-2014

2002



2014



Types of Medicines Abused

- Opioids (*Pain Relievers)
 - OxyContin®, Vicodin®, Percocet®



- Stimulants
 - Ritalin®, Adderall®, Sudafed®



- Anti-Anxieties
 - Xanax®, Valium®



- Anti-Depressants
 - Prozac®, Zoloft®



- Sedatives
 - Rohypnol®, Nembutal®, Seconal®

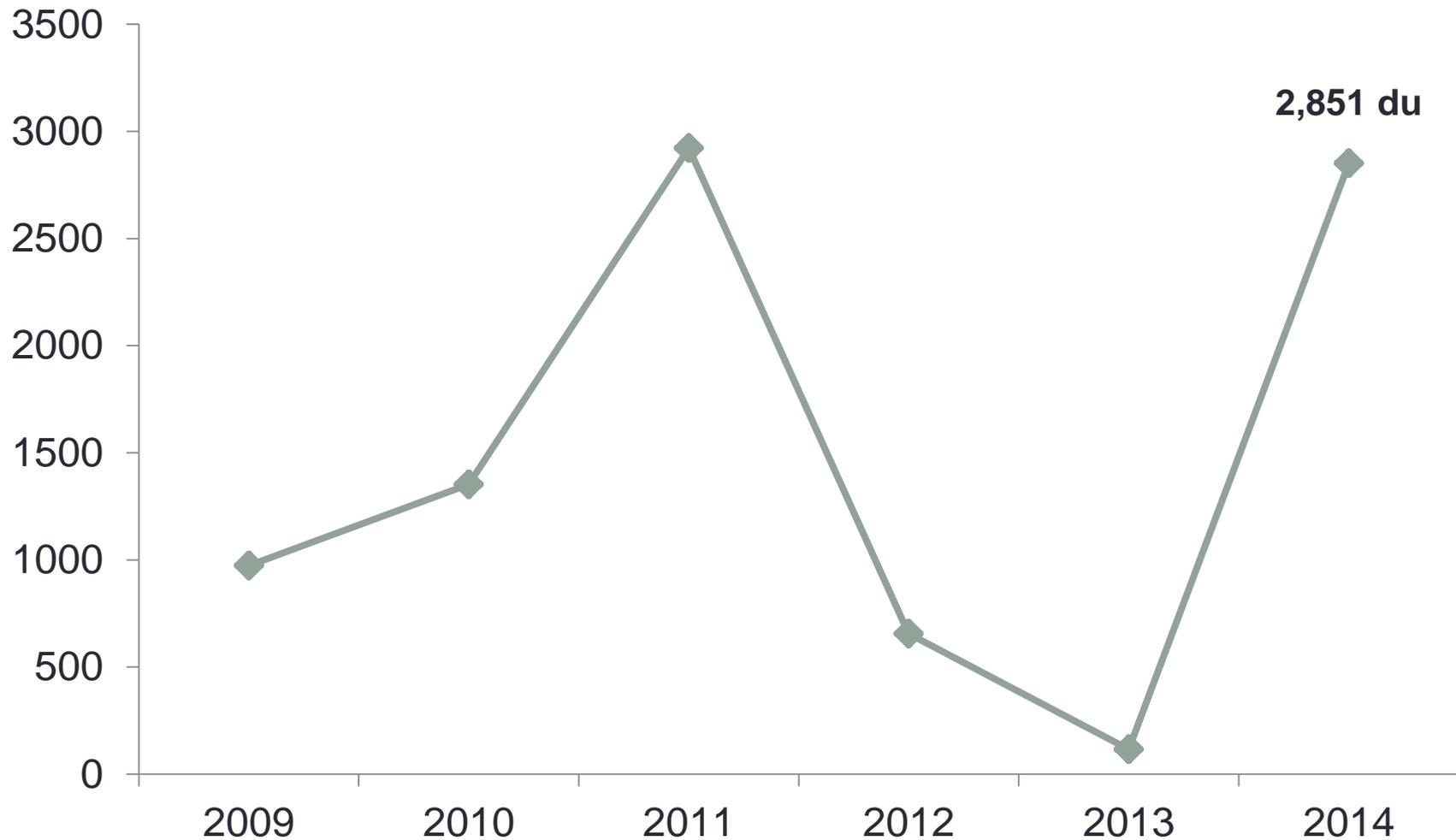


- Etc.

*Synthetic Opioid Examples: Oxycodone, Morphine, Methadone, Codeine, Fentanyl & Hydrocodone. Hydrocodone combination products became Schedule II Controlled Substances in October 2014.

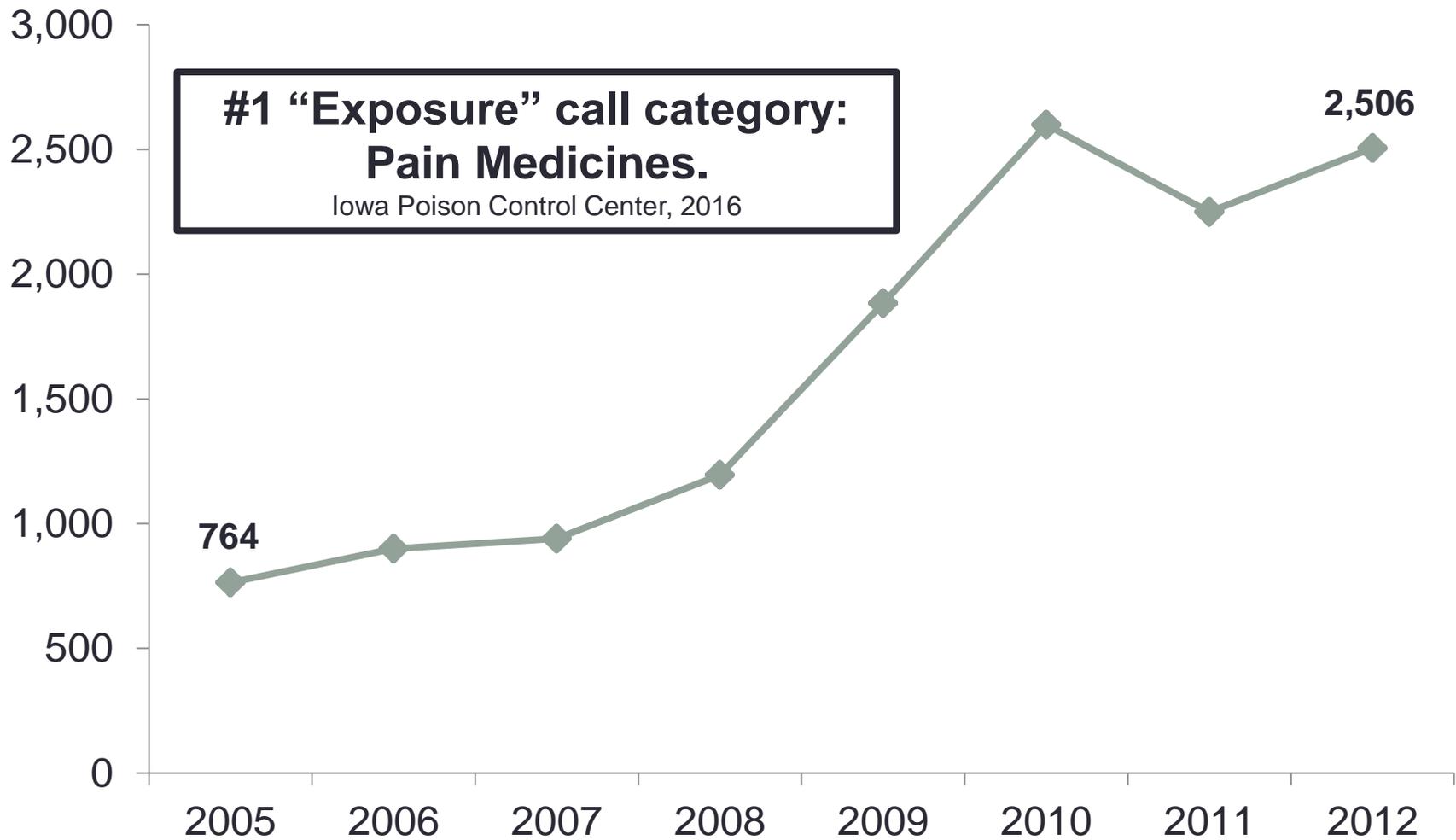
Controlled Prescription Drug Seizures

In Dosage Units by Iowa Division of Narcotics Enforcement Agents



Iowa Drug Treatment: *Numbers*

Any Abuse of Non-Heroin Opiates & Synthetics Reported at Admission

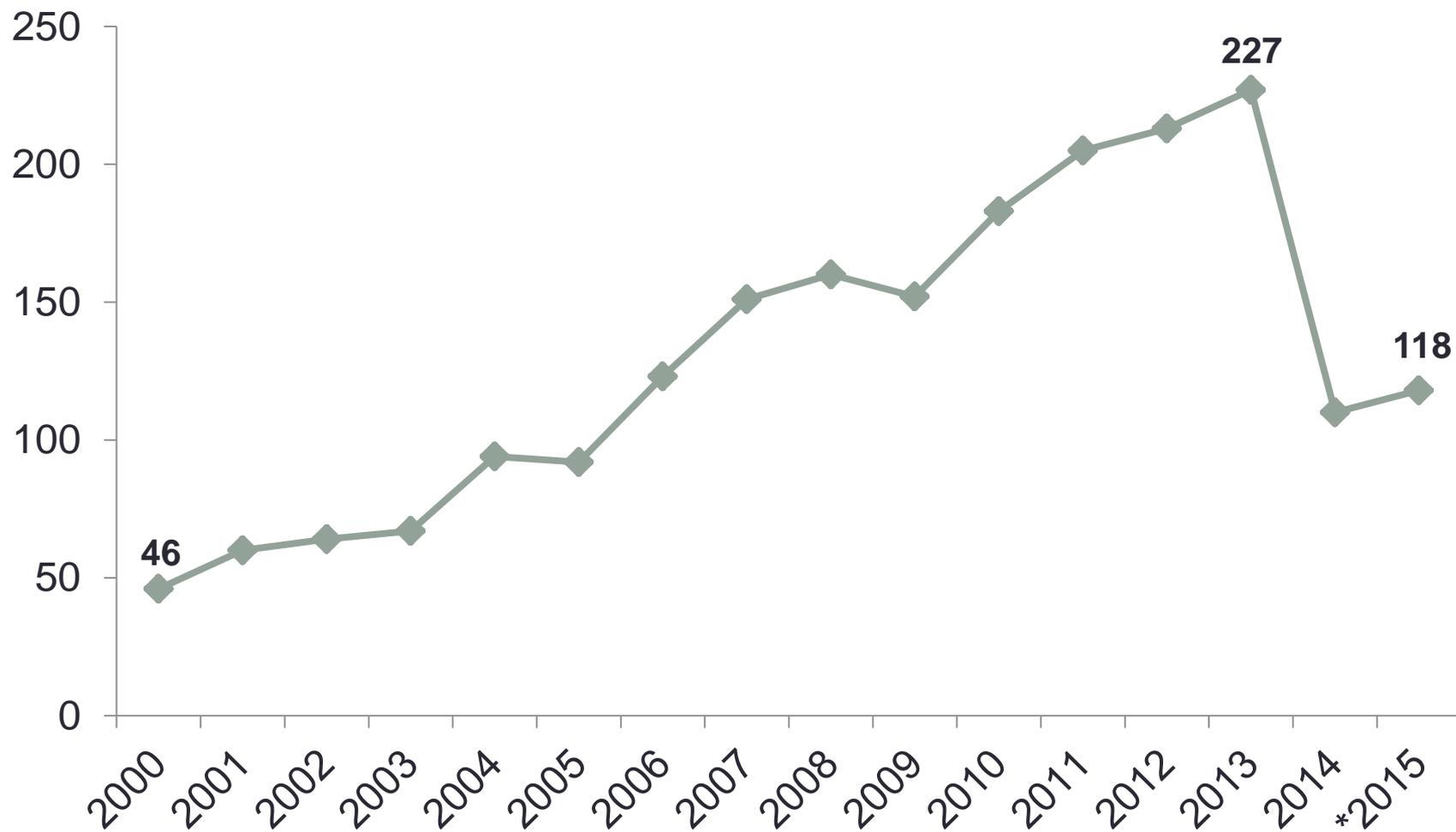


Iowa Opioid-Related ER Visits

Opioid Use (including Opiates & Others) as Causal or Contributing Factor



Iowa Drug-Related OD Deaths: *All Drugs*

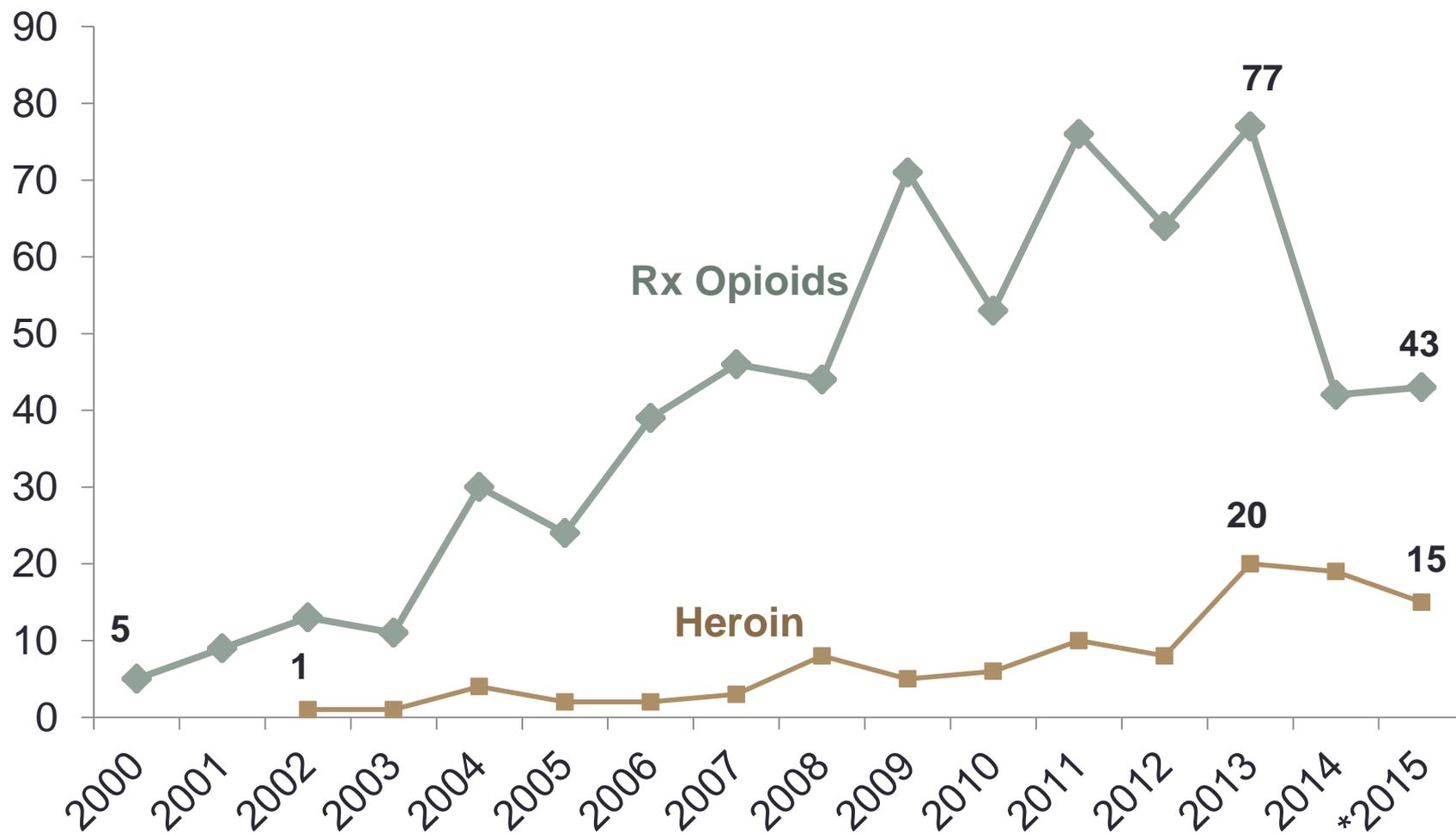


*2015 Data is Preliminary

Iowa Department of Public Health, Bureau of Health Statistics, 2016

Iowa Opioid-Related OD Deaths: *Rx & Heroin*

Rx = Pain Relievers (Rx Methadone, Other Opioids & Other Synthetic Narcotics)



*2015 Data is Preliminary

Iowa Department of Public Health, Bureau of Health Statistics, 2016



Heroin

**& Non-Medical
Synthetic Opioids**
(e.g., fentanyl analogs)



Rx-Heroin Trends

Heroin use is part of a larger substance abuse problem.

Nearly all people who used heroin also used at least 1 other drug.

Most used at least **3** other drugs.

Heroin is a highly addictive opioid drug with a high risk of overdose and **death** for users.

People who are addicted to...



ALCOHOL

are

2x



MARIJUANA

are

3x



COCAINE

are

15x



Rx OPIOID PAINKILLERS

are

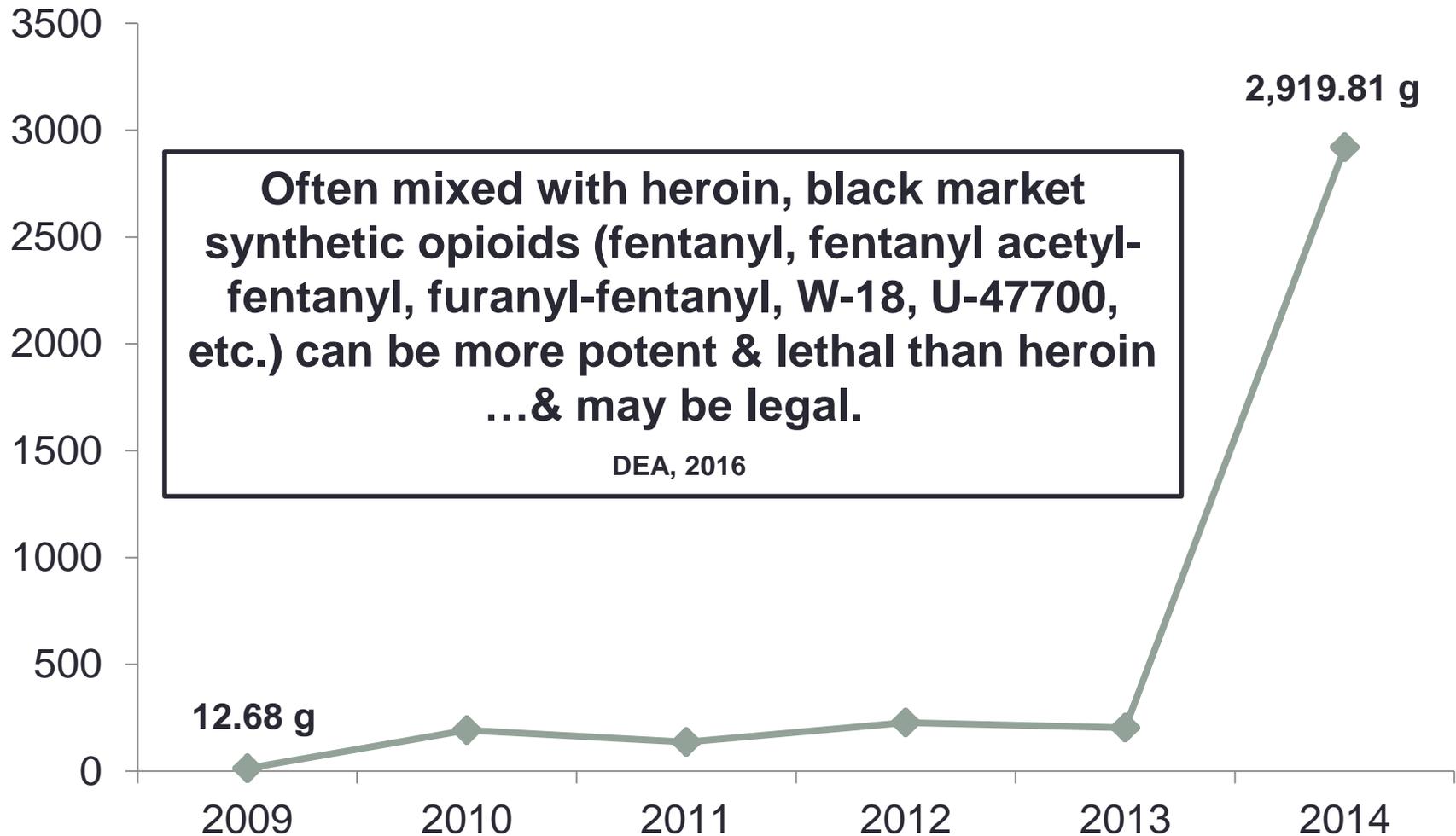
40x

...more likely to be addicted to heroin.

SOURCE: National Survey on Drug Use and Health (NSDUH), 2011-2013.

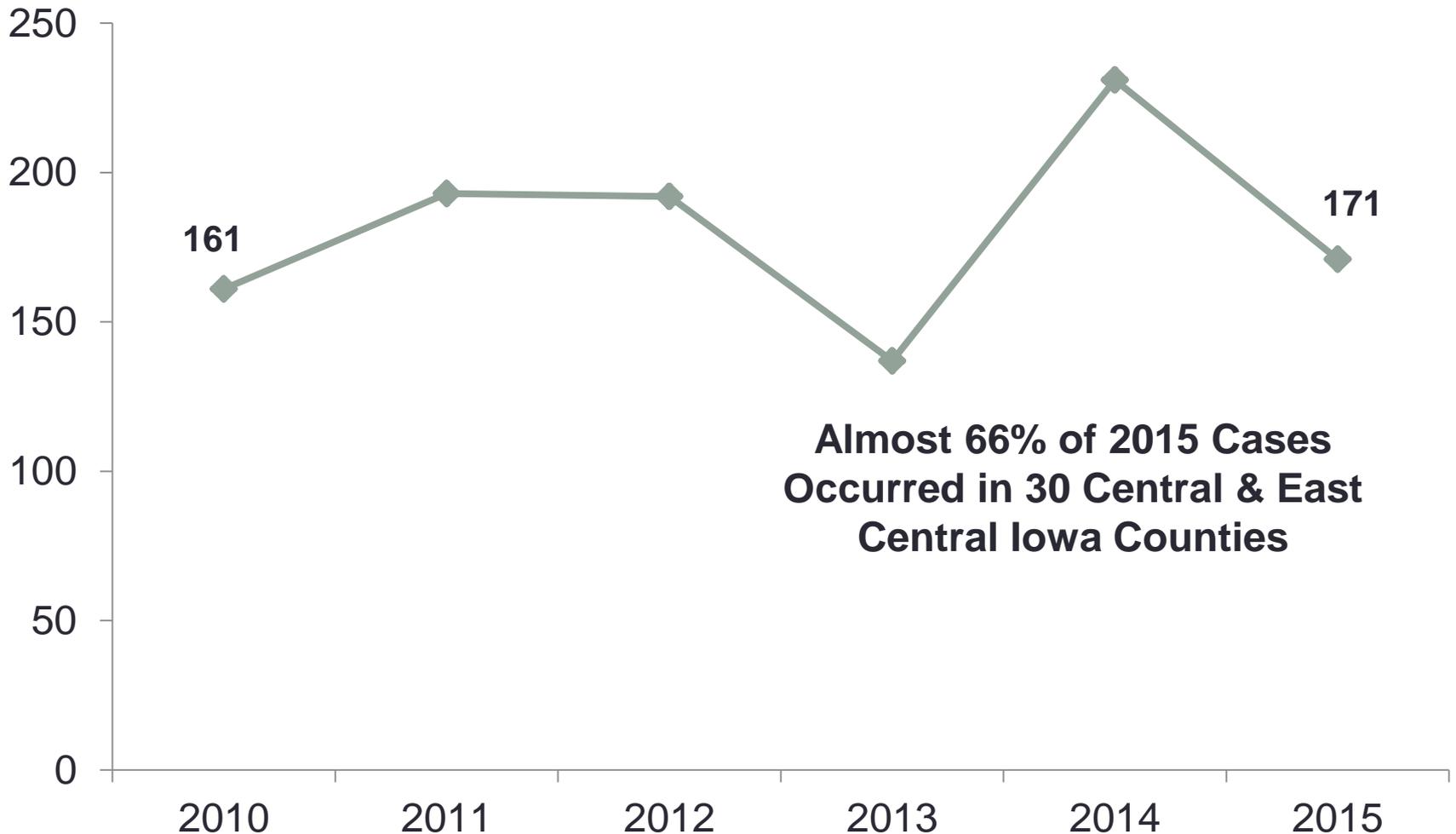
Heroin Seizures

In Grams by Iowa Division of Narcotics Enforcement Agents



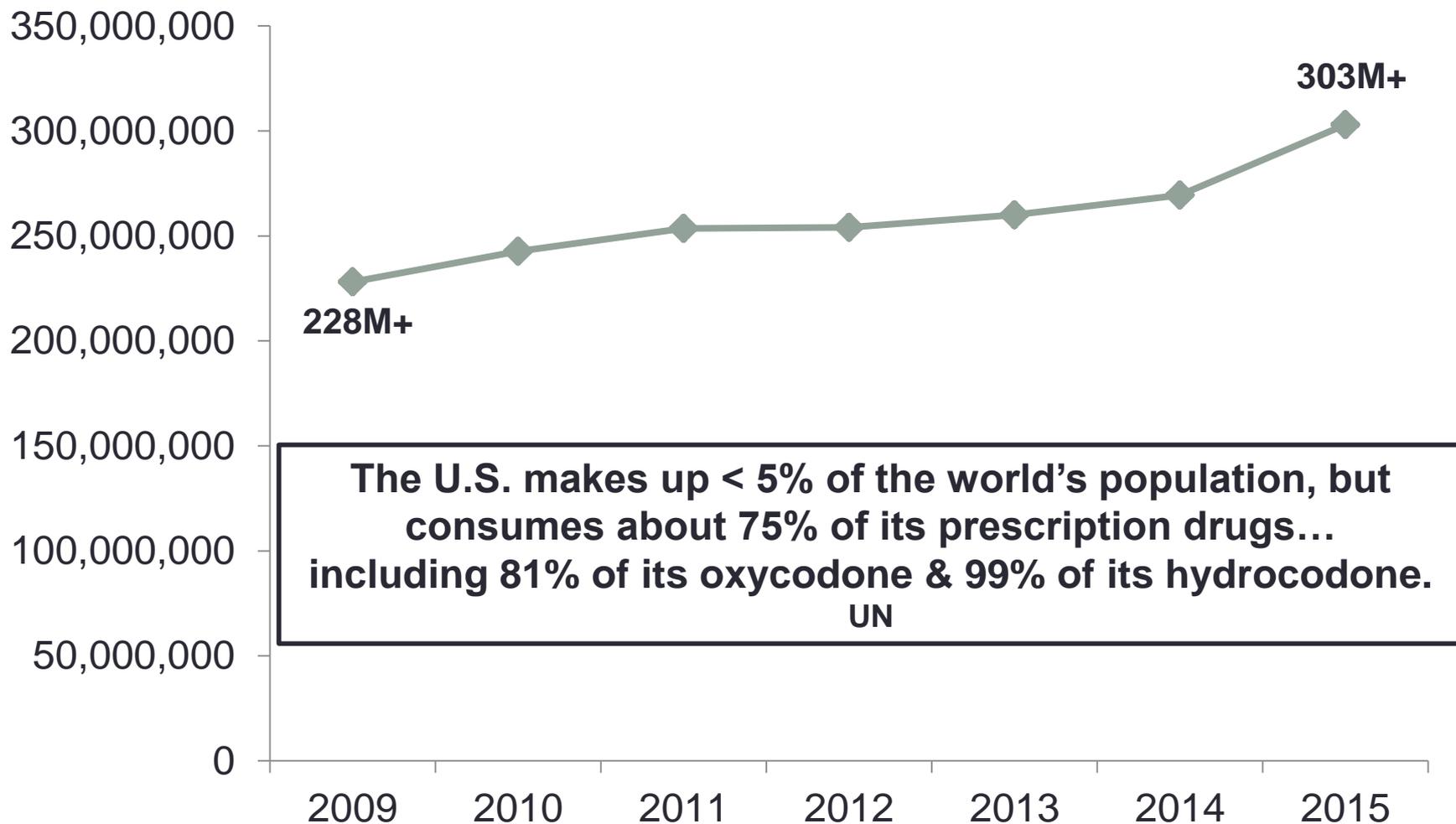
Naloxone Use by Iowa EMS Providers

Times Administered



Iowa PMP: *Doses Dispensed*

Controlled Prescription Drugs, Schedule II-IV

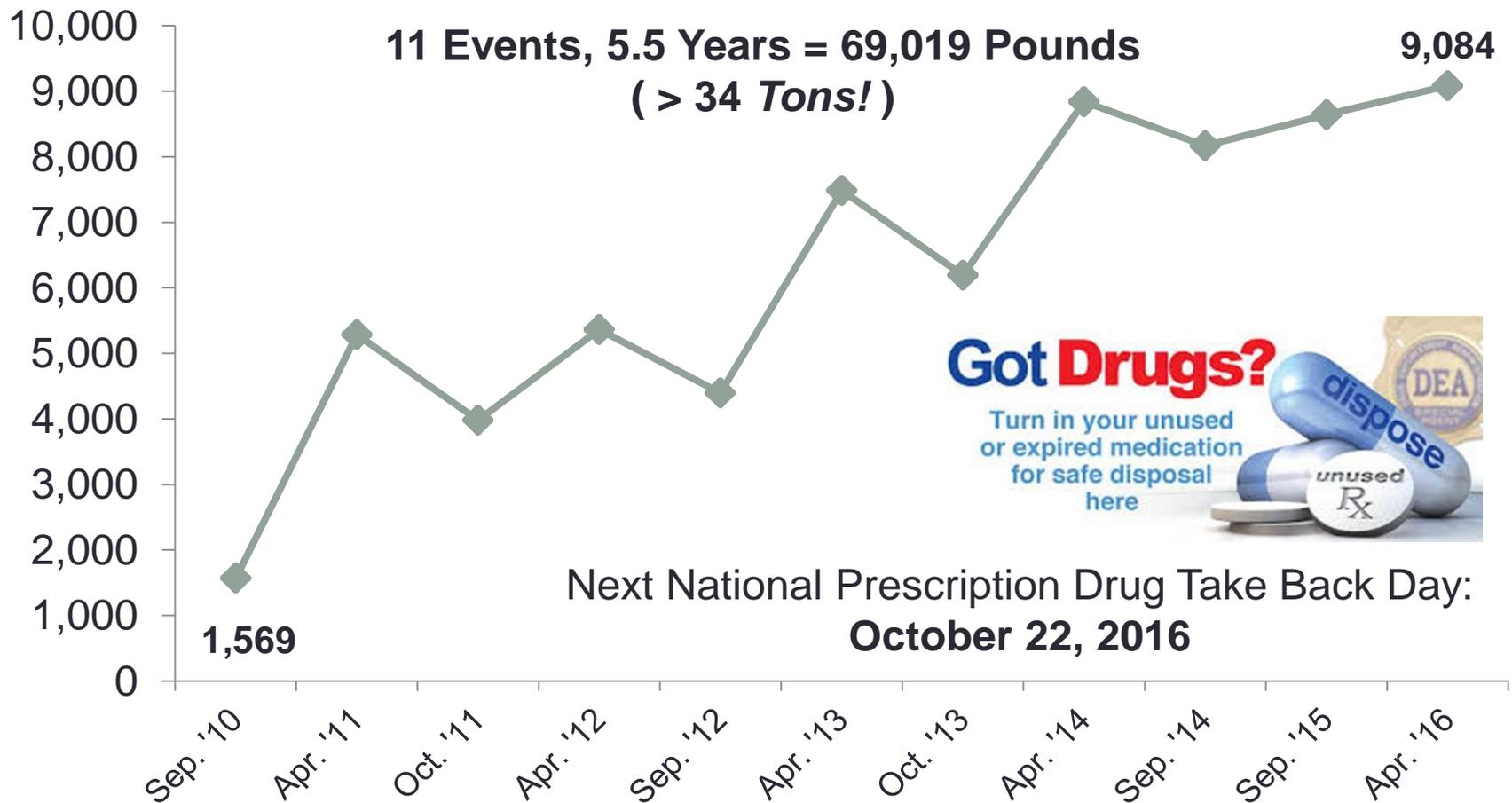


The U.S. makes up < 5% of the world's population, but consumes about 75% of its prescription drugs... including 81% of its oxycodone & 99% of its hydrocodone.

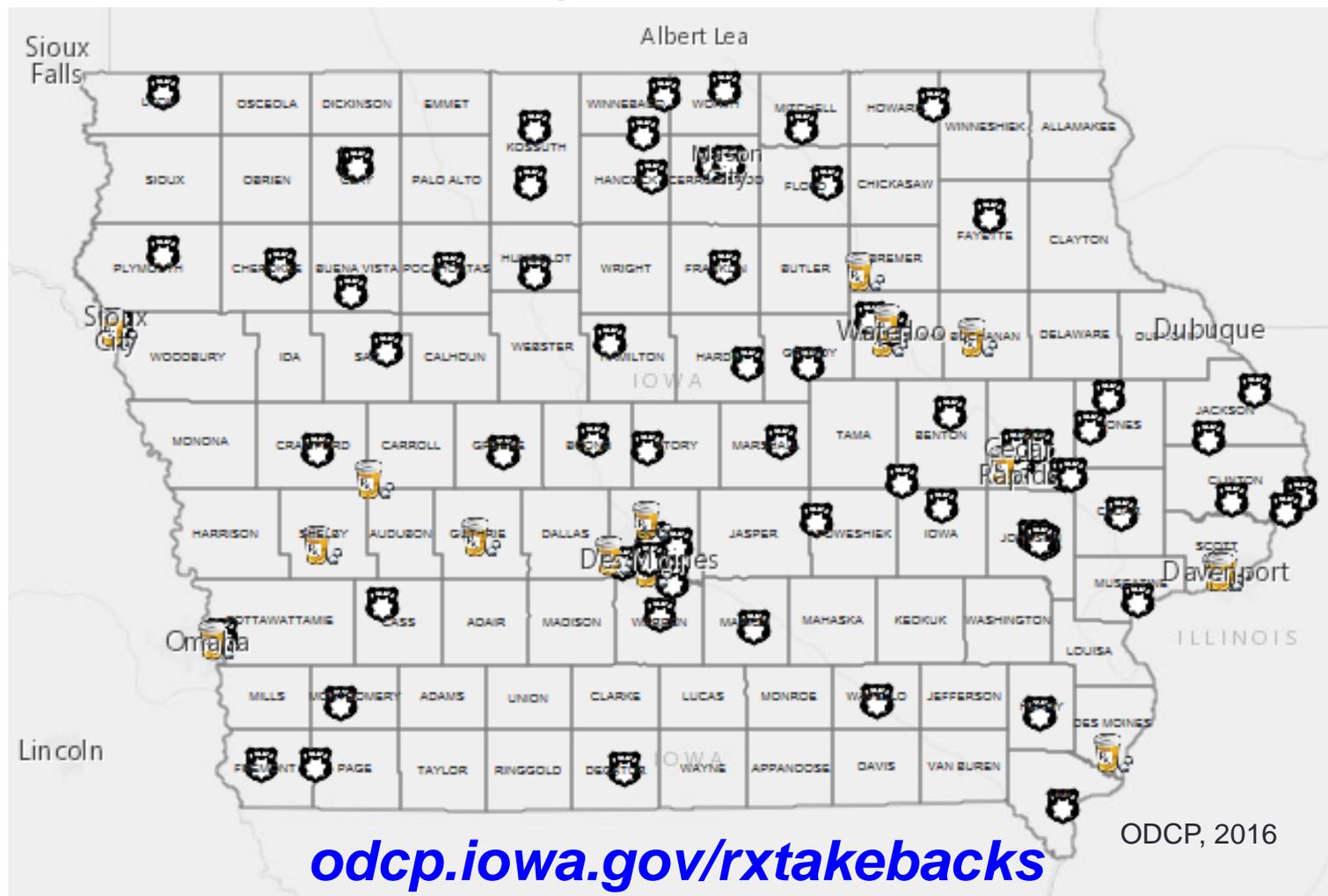
UN

Iowa "Take-Back" Initiative

Amount (in Pounds) of Rx Drugs Collected



Iowa Permanent Rx “Take Back” Sites Controlled Prescription Drugs



Sites doubled to 93 vs. year ago & are on pace to double again by January 2017.



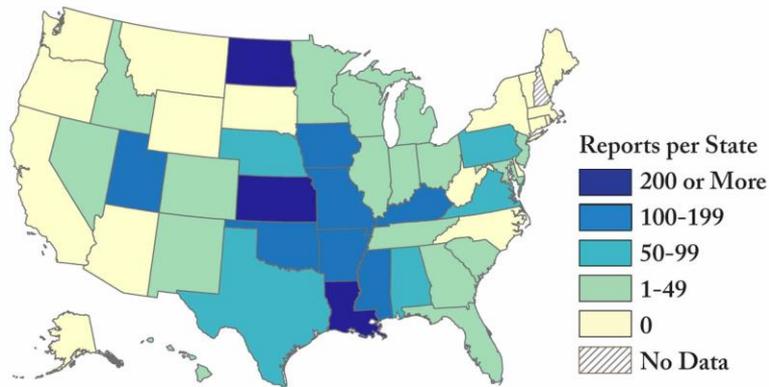
Synthetic Drugs



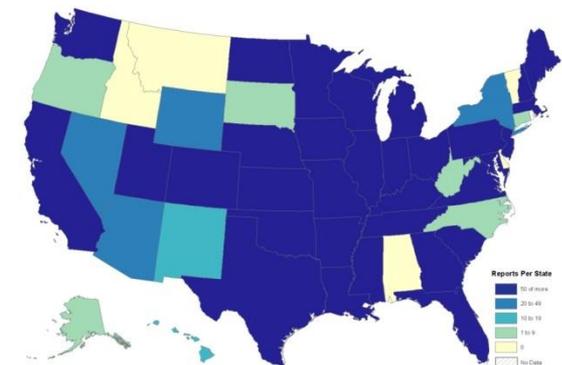
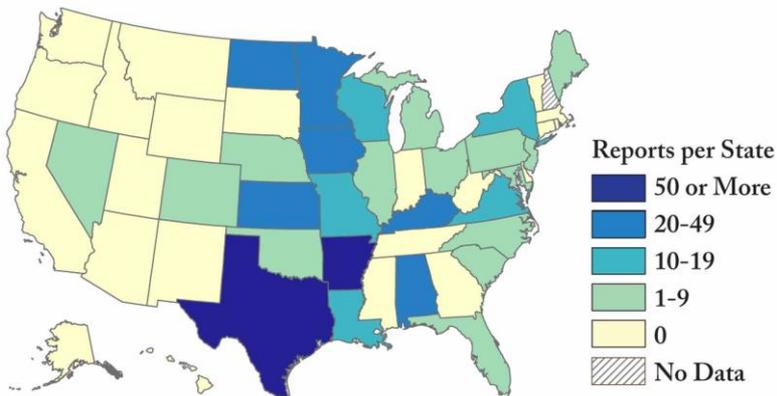
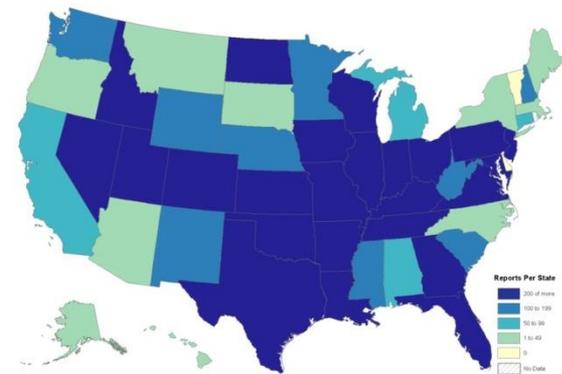
Synthetic Cannabinoids & Cathinones

Hallucinogens & Stimulants by State

2010



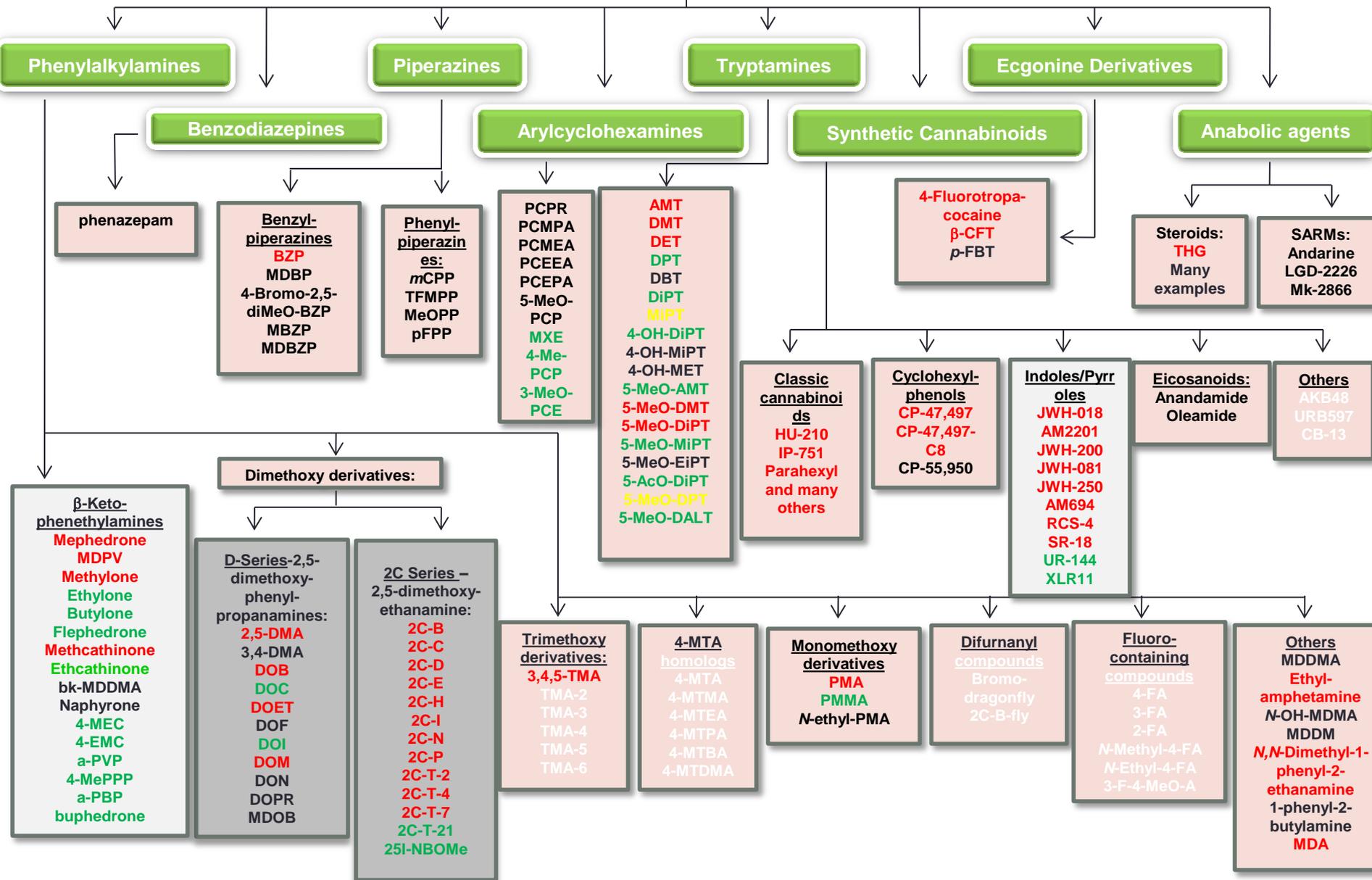
2012



Red = Controlled substance
Yellow = Positional isomer, controlled by definition
Green = Determined to be controlled substance analogue

The Chemistry

Designer Drugs



Modified from Wohlfarth and Weinmann, *Bioanalysis*, 2010

Synthetic Opioid Alert



Dangers of Fentanyl & Fentanyl Analogues/Compounds

Fentanyl is commonly laced in heroin, causing significant problems across the country, particularly as heroin abuse has increased.

Drug incidents & overdoses related to fentanyl are occurring at an alarming rate throughout the U.S. & represent a significant threat to public health & safety.

Often laced in heroin, fentanyl & fentanyl analogues produced in illicit clandestine labs are up to 100 times more powerful than morphine & 30-50 times more powerful than heroin.

Drug Trends in Iowa: *Summary*

- Alcohol remains Iowa's most abused addictive substance.
- Iowans' appetite for meth remains strong, fed by cartels.
- Marijuana is Iowa's most used illicit substance, & is morphing into new more potent forms.
- Medicine/Opioid abuse is Iowa's fastest growing form of substance abuse...leading to more heroin use too.
- Synthetic drugs are a fast-changing threat to Iowa youth.
- With exceptions, Iowans generally abuse drugs at rates below many other states...& Iowa youth substance abuse is declining. Challenges remain, now & in the future.

SHARE THE NEWS & STAY SAFE!

Iowa Governor's Office of Drug Control Policy

Visit Our New Website: <https://odcp.iowa.gov>