

# INITIATIVES TOWARD A PUBLIC

# HEALTH APPROACH

Wellness

Alcohol and Drug Abuse Division  
Hawaii State Department of Health



# State Trends In Substances – Other Than Opioids

- Alcohol
- Methamphetamine

# Alcohol

## Comparison of Indicators – Hawaii vs. National

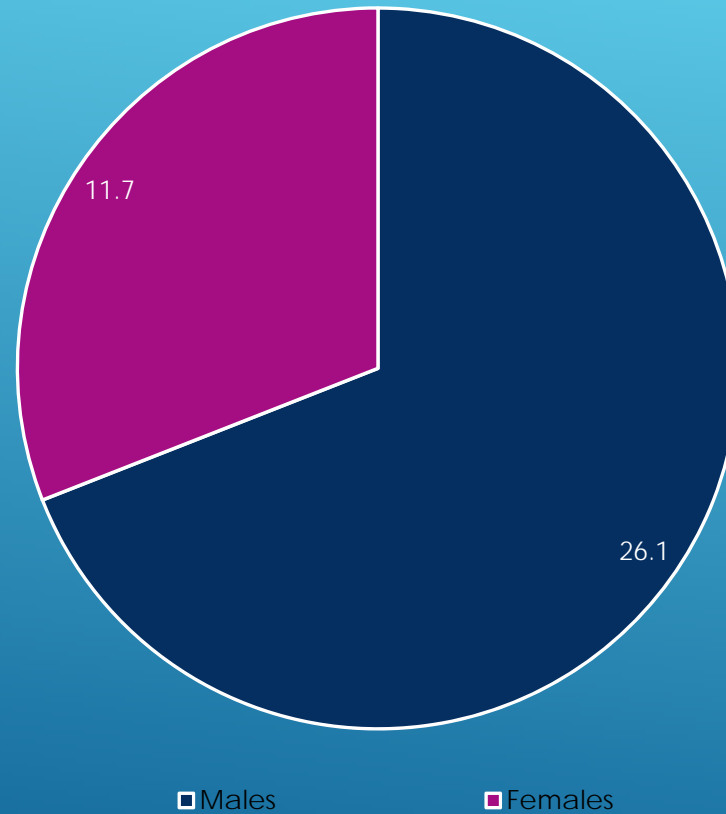
### Adults

Measure	Hawaii Value	National Value
Binge drinking among adults	18.9%	16.3%
Alcohol impaired driving deaths	39.4%	30.0%
Drinking and driving	4.1%	1.8%

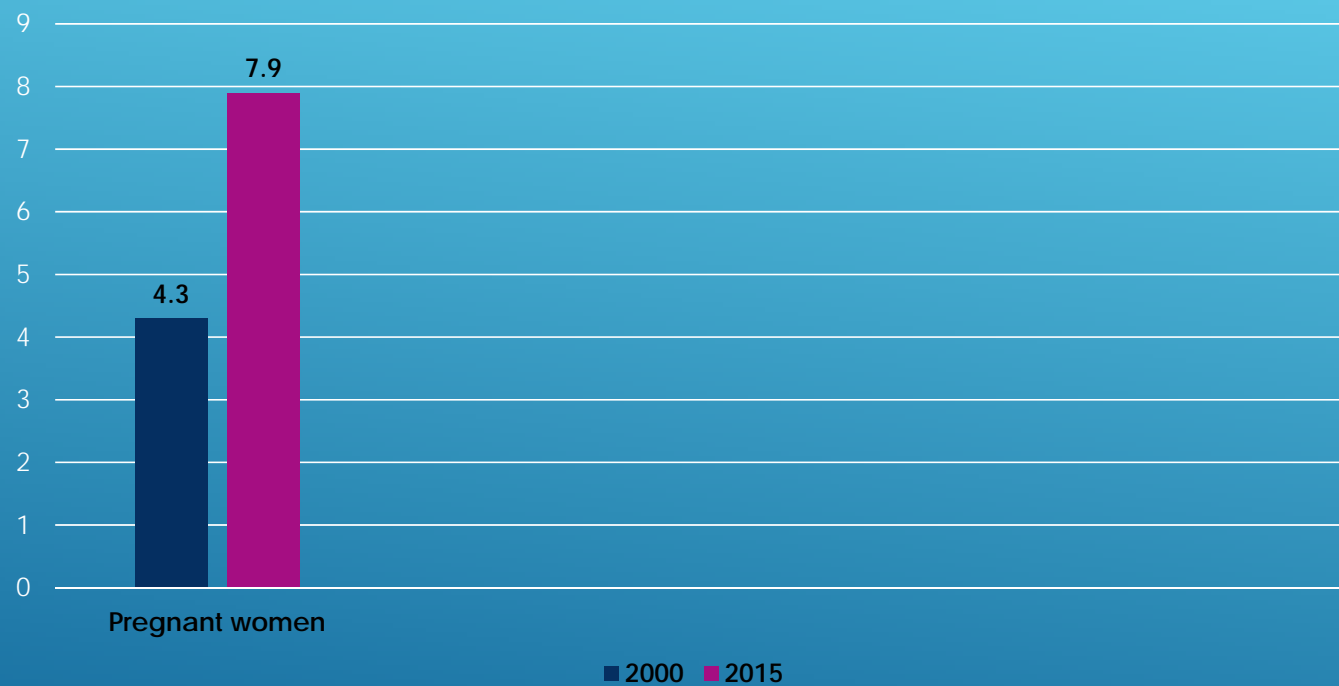
### Adolescents

Measure	Hawaii Value	National Value
Binge drinking	Girls 11.2% / Boys 8.8%	Girls 16.8% / Boys 18.6%
Rode with driver who had been drinking	37.1%	28.3%
Any alcohol use	25.1%	32.8%

## Heavy or binge drinking among males and females in Hawaii - 2013



## Percentage of Women in Hawaii who drank alcohol during the last 3 months of pregnancy



# Methamphetamine

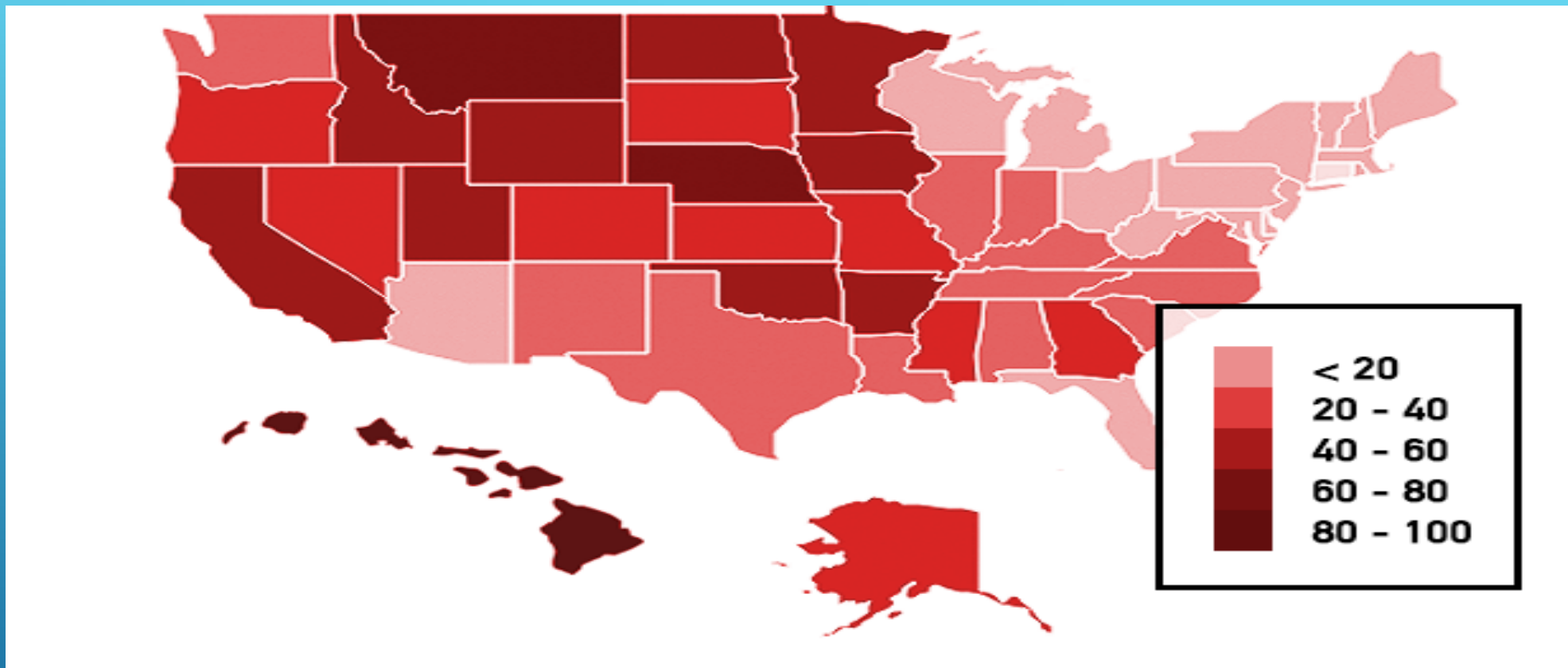
- Meth use and treatment admissions in Hawai'i are considerably higher than the national average<sup>1</sup>
- Estimated cost of meth abuse is \$500 million/year<sup>2</sup>
- Positive meth workplace drug testing is 410% higher in Hawai'i than the national average<sup>3</sup>
- 79% of drug-related crimes are related to meth abuse<sup>1</sup>
- More than 4,500 Hawai'i high school students reporting using meth at least once<sup>4</sup>

1. Treatment Episode Data Set (TEDS) 2002 – 2012 National Admissions to Substance Abuse Treatment Services.

2. Estimate based on RAND, The Economic Cost of Methamphetamine Use in the United States, 2005. Published in February 2009.

3. Quest Diagnostic Drug Testing Index – September 2, 2011.

4. Center for Disease Control Youth Online: High School YRBS Hawaii 2013 Results.

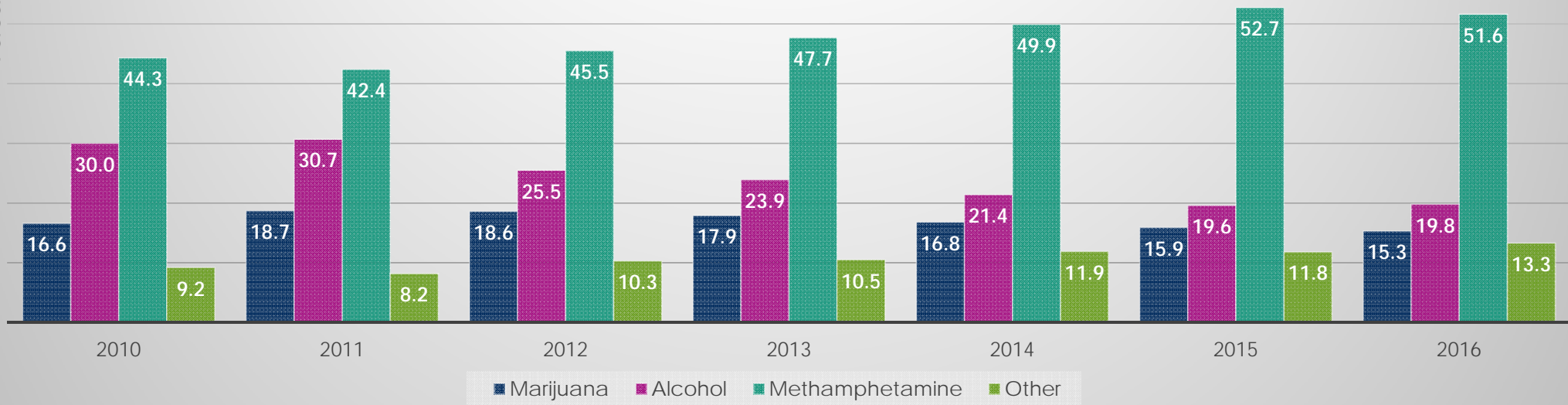


## PERCENT OF METH-RELATED DRUG CONVICTIONS IN FEDERAL COURT, 2015

SOURCE: U.S. Sentencing Commission.



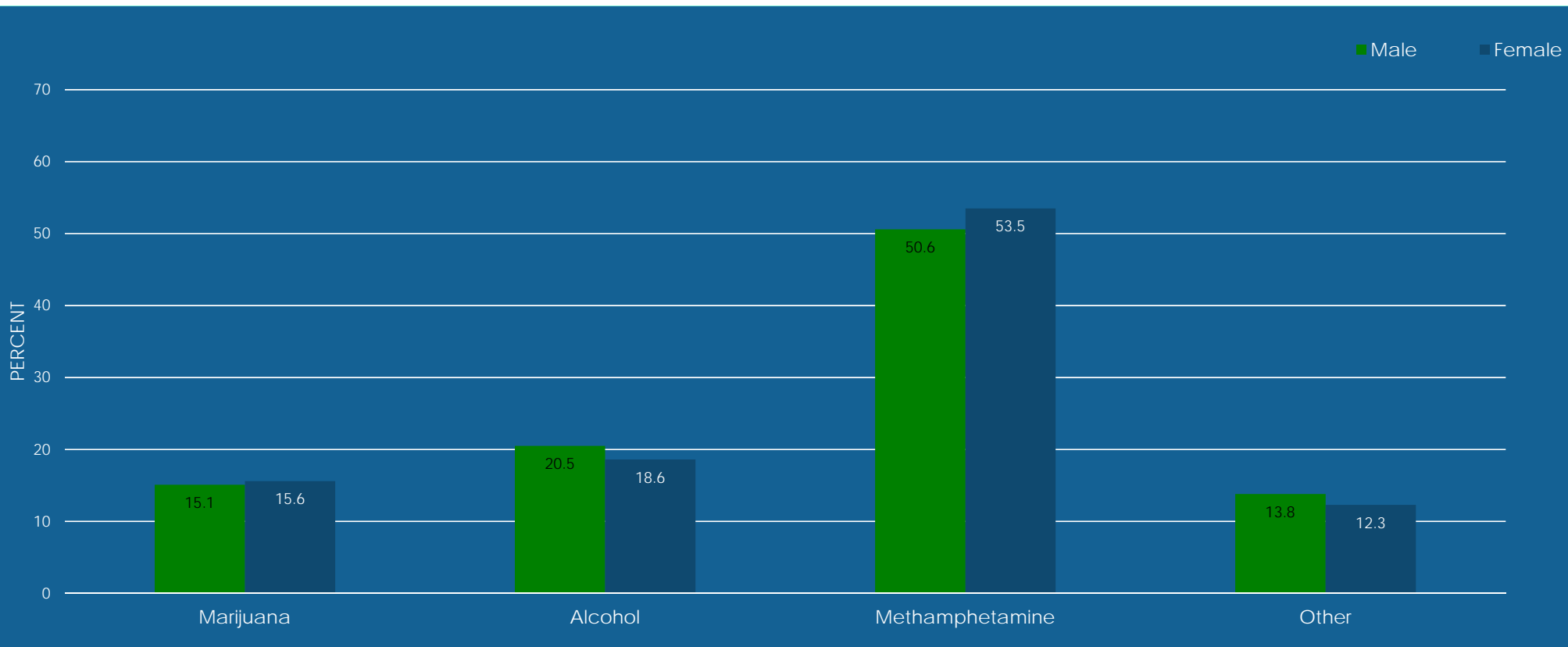
Percent



## PRIMARY SUBSTANCE USED AT ADMISSION FOR ADULTS 18-49, 2010-16

SOURCE: Alcohol and Drug Abuse Division (ADAD), Hawai'i Department of Health.





## PRIMARY SUBSTANCE USED AT ADMISSION FOR ADULTS 18-49 BY GENDER, 2016

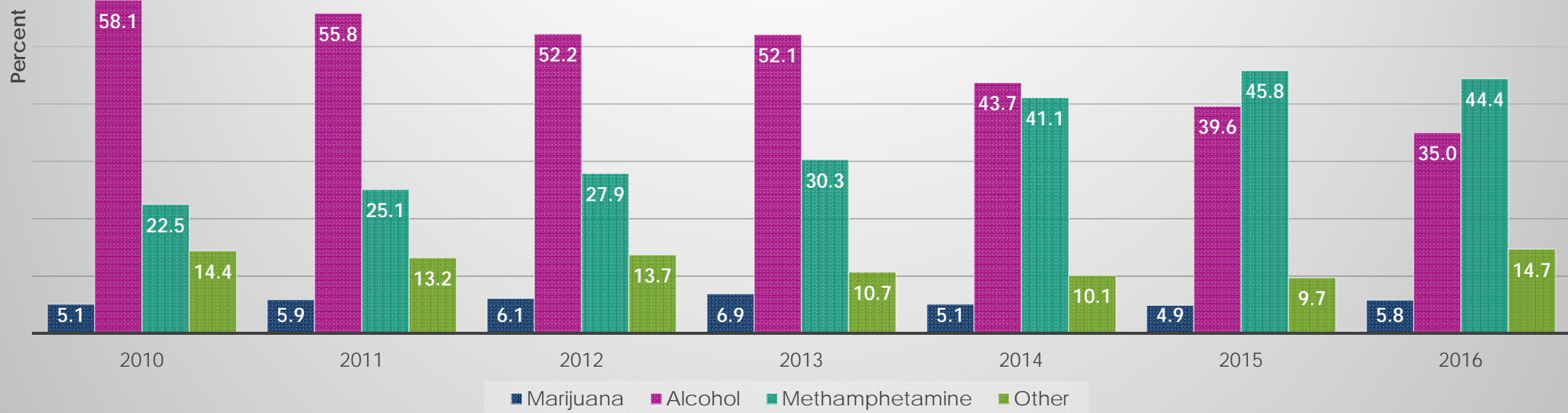
SOURCE: Alcohol and Drug Abuse Division (ADAD), Hawai'i Department of Health.

# CRYSTAL METH USE 2010-2014



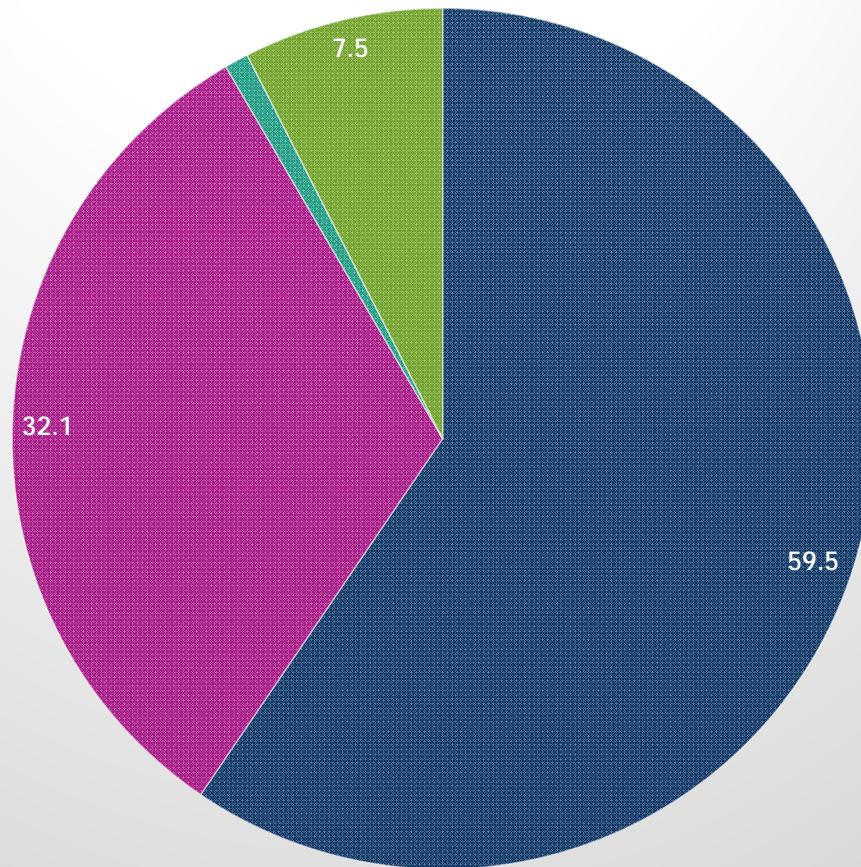
## METH USE NEARLY DOUBLES AMONG OLDER ADULTS IN HAWAII

SOURCE: Alcohol and Drug Abuse Division (ADAD), Hawai'i Department of Health.



## PRIMARY SUBSTANCE USED AT ADMISSION FOR ADULTS 50 YEARS AND OLDER, 2010-16

SOURCE: Alcohol and Drug Abuse Division (ADAD), Hawai'i Department of Health.

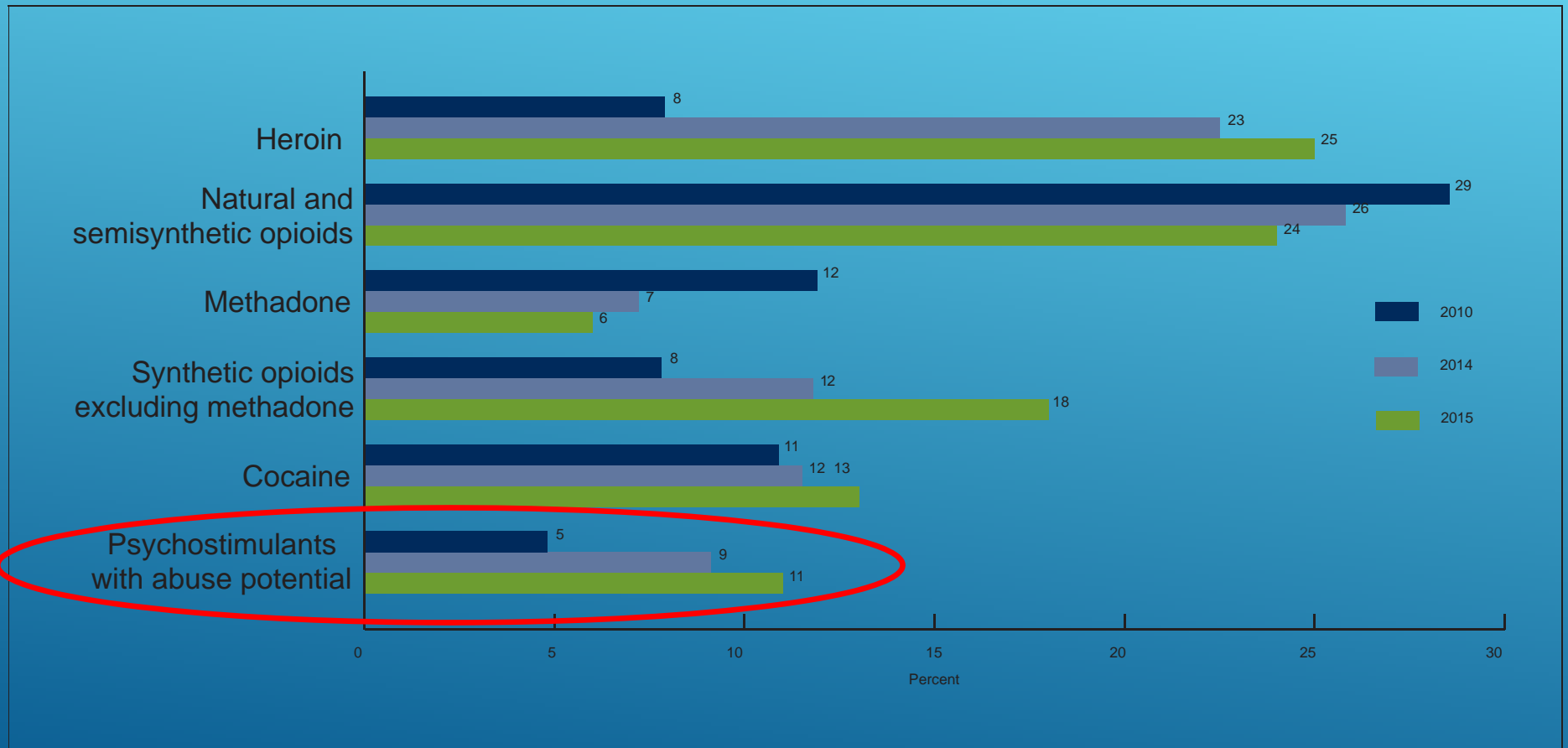


■ Marijuana   ■ Alcohol   ■ Methamphetamine   ■ Other

## PRIMARY SUBSTANCE USED AT ADMISSION FOR ADOLESCENTS UNDER AGE 18, 2010-16

SOURCE: Alcohol and Drug Abuse Division (ADAD), Hawai'i Department of Health.

Nationally, drug overdose deaths involving psychostimulants with abuse potential, which include drugs such as methamphetamine, increased from 5% in 2010 to 11% in 2015.



Hedegaard H, Warner M, Miniño AM. Drug overdose deaths in the United States, 1999–2015. NCHS data brief, no 273. Hyattsville, MD: National Center for Health Statistics. 2017.





# State Response and Initiatives

- Focus on Addiction as a Chronic Disease
- Impact on wide spectrum of social problems facing the State
  - Coordinated approach across systems

A black and white close-up portrait of a man with a mustache and glasses. He is looking slightly to the right. He is wearing a ring on his left hand, which is partially visible in the bottom right corner. The background is dark.

"When "I" is replaced  
with "We" even  
"Illness" becomes  
"Wellness"  
- Malcom X



Thinking in “WE” gives us a broader view of the way things are so we can be better systems engineers.



**Hawaii Department of Health Strategic Plan  
2015 - 2018**



**David Y. Ige, Governor of Hawaii**  
**Virginia Pressler, MD, MBA, Director of Health**

# Life events play an important role in your health.



**In healthy communities**



Clean and safe environments support healthy lifestyles

Risks to moms and babies are identified before pregnancy



Healthy weight promotes safer pregnancies



Family planning starts before pregnancy and continues after birth

Breastfeeding and immunizations improve outcomes across the life span



Good parental leave policies strengthen families



Rates of on-time graduation are high, increasing job prospects

Youths have supportive adult relationships and mentors



Neighborhoods support active lifestyles and healthy eating



Financial planning for retirement is strong and seniors live active lives

**Preconception**

**Prenatal**

**New Born**

**Early Childhood**

**School Age**

**Adulthood**

**Kupuna**

**In disparate and vulnerable communities**

Unplanned pregnancies disrupt school and work plans

51% of births in Hawaii are unplanned



Substance use leads to avoidable birth defects and behavioral problems

Tobacco and alcohol sales often target low income areas



Unsafe sleep environments are linked to infant deaths

Post-partum depression can increase toxic stress for mom, baby, and family



Poverty, hunger, abuse, and neglect may lead to risky behaviors later in life



Unequal access to preschool may limit a child's potential

Teenage pregnancy rates are higher in poorer areas

Suicide is a leading cause of death for youths in Hawaii



Unemployment and incarceration stress families and communities



Premature deaths and unaffordable health care costs create uncertainty



**90% of a child's brain capacity is developed by age 5 and is influenced by nutrition, stress, and the environment.**



**Make Health Hawaii's Shared Value**



**A**

**Invest in Healthy Babies and Families**

- 1 Reduce substance use and exposure for pregnant mothers
- 2 Decrease unintended pregnancies
- 3 Support parents and extended ohana after childbirth
- 4 Promote developmental screenings and services in early childhood
- 5 Enhance maternal bonding and improve obesity prevention through breastfeeding
- 6 Address conditions contributing to child deaths and maternal mortality
- 7 Plan for a system of care for children that addresses physical and emotional health



**B**

**Take Health to Where People Live, Work, Learn, and Play**

- 1 Invest in telehealth to improve health access
- 2 Prevent and contain epidemics and disease outbreaks
- 3 Improve connections between primary care and behavioral health
- 4 Improve life trajectories for vulnerable persons
- 5 Partner with communities to identify and meet their needs
- 6 Create communities where the healthy choice is the easy choice
- 7 Improve home, school, and workplace safety



**C**

**Create a Culture of Health Throughout Hawaii**

- 1 Invest in better mental health
- 2 Enforce public health and environmental regulations
- 3 Make health and environmental data more accessible
- 4 Improve and protect Hawaii's water, land, and air
- 5 Adapt to and mitigate climate change
- 6 Enhance public health communication to influence, educate, and motivate
- 7 Enhance laboratory and scientific services



**D**

**Address the Social Determinants of Health**



**E**

**Use Evidence-Based Practices and Make Data-Driven Decisions**



**F**

**Improve Core Business Services and Customer Satisfaction**

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**Improve Core Business Services and Customer Satisfaction**

▶ **Focus on Addiction as a Chronic Disease**

- ▶ Public Wellness Approach
  - ▶ Expand prevention component and scope
  - ▶ SBIRT
  - ▶ Opioid STR

▶ **Impact on wide spectrum of social problems facing the State**

- ▶ Homelessness
- ▶ Criminal Justice
  - ▶ Law Enforcement Assisted Diversion (LEAD)
  - ▶ SBIRT
  - ▶ Opioid STR

▶ **Coordinated approach across systems**

- ▶ Coordinated Service Contracts
- ▶ Outcomes driven resource allocation





Questions?