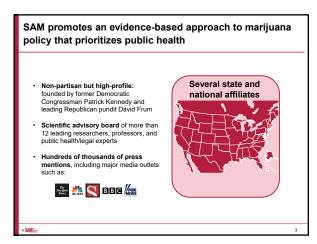


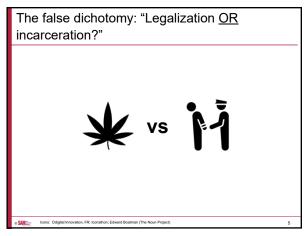
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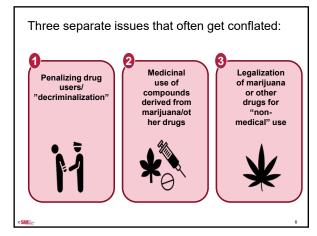
### Groups SAM has collaborated with

- 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

.



5



"While laboratory animals are an expensive way of understanding the risks of cannabis use, <b>North American come free.</b> "	S
The Economist (2019)	
c SME	7

Collision of the COVID-19 and Addiction Epidemics

Nora D. Volkow, MD

Article, Author, and Disclosure Information

Risk for severe COVID-19 and death escalates with older age but is also concentrated among those who are immunocompromised or have underlying health conditions, including diabetes, cancer, and heart and respiratory diseases. Many of the latter arise from smoking and thus may increase risk for death and illness among smokers (tobacco or cannabis). Data from the Chinese Center for Disease Control and Prevention have suggested that COVID-19 has a case fatality rate of 6.3% for

8

Vaping Crisis = #PotVapingCrisis
 80+% of the lung illnesses being reported are linked to THC vapes
 1 in 6 illnesses came from the legal marijuana market
 Two deaths in Oregon have been tied to marijuana oil purchased from a state licensed dispensary





11





Big Tobacco has all but taken over Big Marijuana

14



Now **exempt** from Colorado Clean Indoor Air Act

16



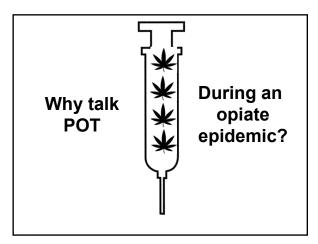
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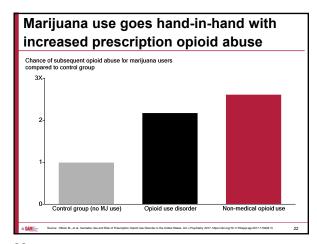






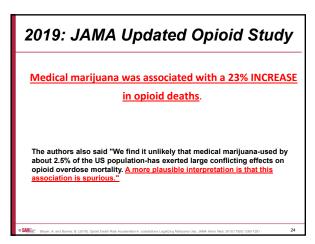
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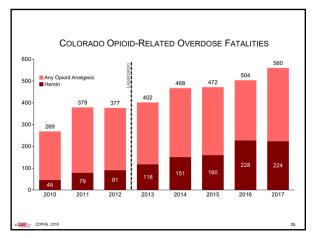






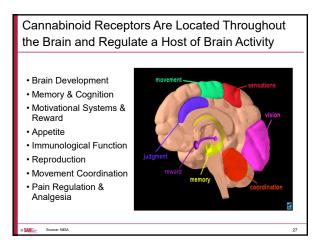
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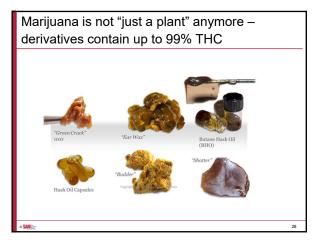


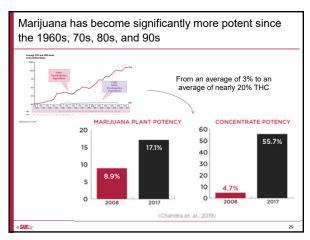


## Marijuana, Mental Health, and Addiction

26







29



Marijuana is often mistaken as medicine in spite of some well-studied adverse outcomes

Studies have shown marijuana (especially high THC-containing products) to be largely ineffective or else dangerous for a host of ailments.

Marijuana is not a proven aid for mental illnesses.

Marijuana use appears to exacerbate mental illness, rather than alleviating it.

Miguana use appears to exacerbate mental illness, rather than alleviating it.

Marijuana use appears to exacerbate mental illness, rather than alleviating it.

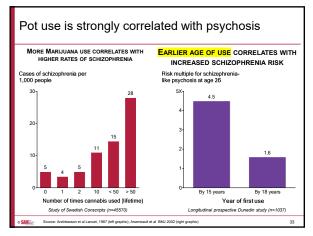
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### Lancet 2019 Population-Level Study Conclusions

**5**x

- Regular high potency marijuana users are 5 times more likely to develop psychosis.
- Compared to 3 times more likely for regular users of lower potency marijuana of the past.

32

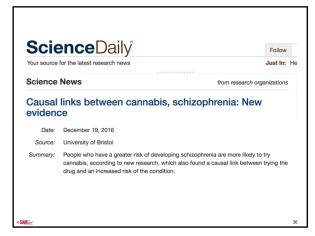


## 2019 JAMA Study: Marijuana use contributes to depression Other Key Findings: • Marijuana didn't replace opioid use • Patients using opioids, supplementing with marijuana, were more likely to develop depression, addiction to cocaine and other drugs, and other adverse outcomes.

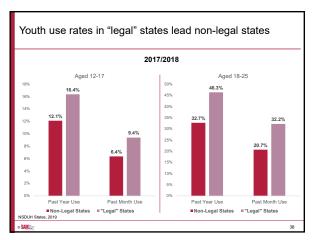
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Causal Relationship between marijuana and		
mental illness		
Case Reports in Medicine	Abstract	
Volume 2009, Article ID 321456, 2 pages http://dx.doi.org/10.1155/2009/321456  Case Report  Suicidal Ideation Induced by Episodic Cannabis Use  Michele Raja <sup>1,2</sup> and Antonella Azzoni <sup>2</sup>	□ Full-Text PDF	
	Full-Text HTML	
	❷ Full-Text ePUB	
	→ Full-Text XML	
	Linked References	
3. Discussion		
In patient's life, suicidal ideation presented in two different occasions, only im intoxication. This strongly suggests the causal relationship between intoxication		
There is a convincing relationship between suicidal behavior and cannabis use, experiences [3]. Rates of cannabis abuse are elevated among those being tre among those making a suicidal attempt [6]. In a sample of Italian students, the with suicide risk [7]. In a population of French adolescents, cannabis use a predictor of suicidal ideation after controlling the depressive symptoms [8] Norwegians, cannabis by itself seemed not to lead to depression but was associa and attempts [9].	ated for depression [4, 5] are use of cannabis was associate opeared to be an independe . In a cohort study of your	
© SAME	35	

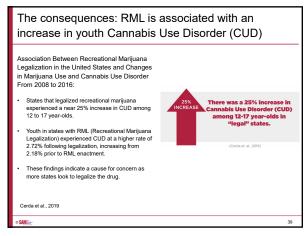
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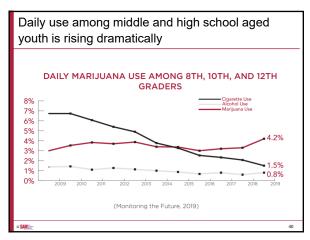


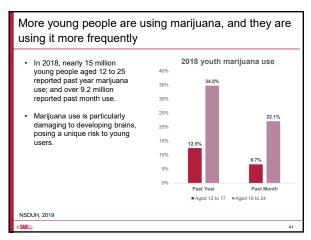




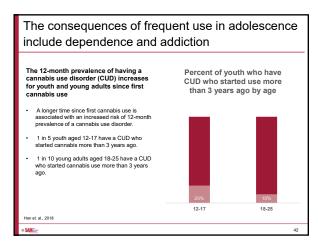
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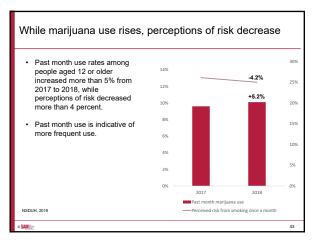


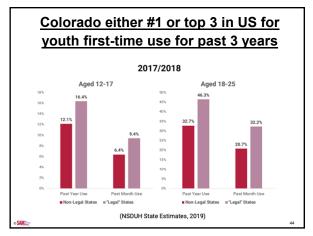




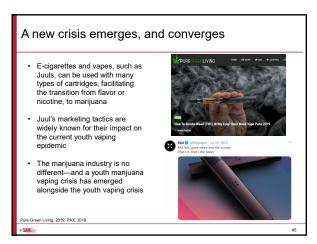
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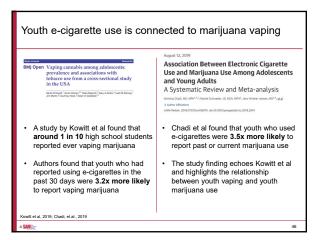






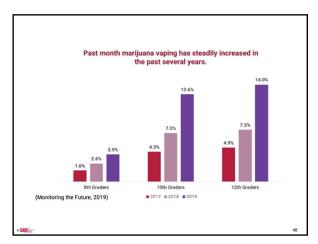
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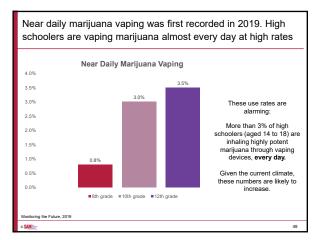


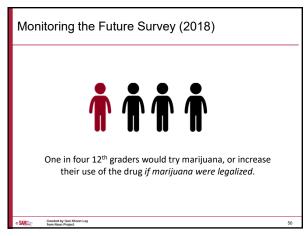




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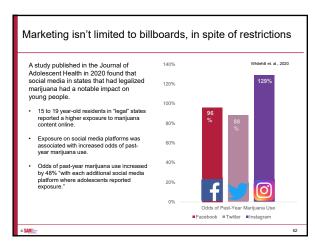






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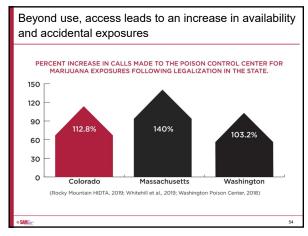




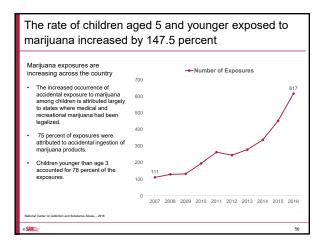
## 2019 Colorado Health Department Report

- 400% increase in marijuana poisonings of children 0-9 years of age
- 23,009 homes with children are not storing marijuana products safely.
- 32,800 homes where children 1-14 years of age <u>are exposed to second-hand marijuana</u> <u>smoke.</u>

53







56

# Daily marijuana users under the age of 17: Less likely to graduate high school More likely to develop addiction More likely to use other drugs More likely to attempt suicide

National Academy of Sciences (2012)

1,037 subjects followed from birth to age 38

Persistent marijuana use starting in adolescence:

Neuropsychological decline

More cognitive problems

Stopping later in life didn't restore healthy functioning

58

Marijuana use harms academic achievement

Study of 1,253 college students found:

Marijuana use adversely impacts GPA, Class Attendance, and other college outcomes

ASU Study: Persistent marijuana use in high school led to lower GPA, test scores, and external issues.

59

Potential consequences?

6,800

In a study published in June of 2020, Kamer et al. concluded that the legalization of marijuana may lead to an increase of approximately **6,800 traffic deaths per year**.

	_
The Jury is Still Out	
o <b>su</b> -	
61	
64% of Colorado localities have	
opted out of legalization	
62	<u> </u>
	1
2019 National Emerson Poll:	
68% of Americans want options	
other than legalization	
e.g. Decriminalization of possession or medical-only	
•	

## My Reason for Being Here

64



65



SAM Smart Approaches to Marijuana preventing another big tobacco	
Contact us	
www.learnaboutsam.org	
uke@learnaboutsam.org	