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In support of improving patient care, this activity has been planned and implemented by School-Based Health Alliance and Moses/ Weitzman Health System, Inc. and its Weitzman Institute and is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

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- American Academy of PAs (AAPA)
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- American Psychological Association (APA)
- Association of Social Work Boards (ASWB)
- Commission on Dietetic Registration (CDR)



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Substance Use Prevention & Intervention: How SBHCs Can Support Youth







# safety first

Marcia M. Zorrilla, DrPH, MCHES, SUDRC Director, Positive Youth Development

Brenda Rodas
Stanford REACH Lab YAB

## WHO are you?



## Stanford MEDICINE

REACH Lab



Research and Education to Empower Adolescents and Young Adults to Choose Health

## Mission

TO EMPOWER AND PROMOTE ADOLESCENT AND YOUNG ADULT HEALTH THE COLLABORATIVE RESEARCH, EDUCATION, AND POLI

## Aims

- 1. IMPROVE ADOLESCENT AND YOUNG ADULT (AYA) HEALTH THROUGH: Conducting interdisciplinary, high-impact research focused on health-related decision-making
- 2. Translating evidence into effective programs that reduce and prevent AYA risk behavior
- 3. Informing and supporting policies that improve AYA health
- 4. Training the next generation of leaders in AYA health and risk prevention

## infographics



ADDICTIVE ORAL NICOTINE PRODUCTS ARE GAINING POPULARITY AMONG YOUTH

#### DIFFERENT TYPES OF PRODUCTS















#### DON'T BE FOOLED BY...















CANDY-LIKE PACKAGING

SOCIAL MEDIA ADS TARGETING KIDS

#### **OUR CONCERNS**



Oral nicotine products are highly addictive and contain harmful chemicals that can damage teens health.



Recent surveys found that a sizable number of **US** teens are using these products.



Talk to your teens about this product and protect their health by avoiding all nicotine products.





Fentanyl effects can include: dizziness and drowsiness, vom iting and nausea, euphoria, pain relief, and respiratory



There are 2 types of fentanyl: pharmaceutical and illegally made fentanyl. Most overdoses are due to illegally made fentanyl

	One red line: positive for fentanyl			
HOLD				INSER
ON THIS END			Self-of the five	AT TH
2,10		P.		Ereb
	Two red lin negative for fe use caution	entanyl		

Carry Narcan to stop overdoses of those around you

our

Fentanyl can be sold in a pill, powder form, or as an injectable; you can't see, smell or taste it

A lethaldose of fentanyl is equivalent to less than a grain of rice LETHAL DOSE

safetyfirst curriculum for more information

Use test strips to test drugs to see if they are laced with fentanyl Treatment is available.

> Here is a resource to find a treatment center: findtreament.gov/ locato



#### **Quitting Tips for Nicotine & Cannabis**



Take back control. Quitting nicotine or cannabis is no easy feat. Below are some tips and tricks that you can utilize to help with quitting either nicotine or cannabis. You got this!



Think about your reasons for quitting, which can be very motivating.



Plan your quit date within 1-3 weeks.



Prepare your environment by throwing away your tobacco and cannabis products, lighters, and related supplies.



Consider different ways of quitting other than "cold turkey" such as behavioral and medical support (e.g., NRTs and behavioral therapy).



Withdrawal symptoms are common and temporary. Plan for how to cope with them.



Identify strategies to deal with your triggers.



Explore healthy activities.



Get support. You are not alone.



For more information, infographics, and quitting resources, visit: resources.stanfordreachlab.com



Practice stress-reducing techniques.



It might take a few tries. You got this!





**Stanford REACH Lab** offers **free** curriculums and resources to supplement prevention, education, harm-reduction, interventions and cessation on: vaping/e-cigarettes, cannabis, drugs and other substances. Scan the QR code below to learn more!

#### PREVENTION, EDUCATION & AWARENESS CURRICULUMS







CANNABIS

Smart Talk: Cannabis Prevention & Awareness
Elementary, Middle & High School Curriculum



**DRUG EDUCATION** 

## safety first

A Comprehensive Drug Education and Harm-Reduction Curriculum

#### INTERVENTIONS



#### EDUCATORS & ADMINISTRATORS

a data dashboard for educators, where you can ent survey responses related to the curriculum ons you are implementing.

RTED

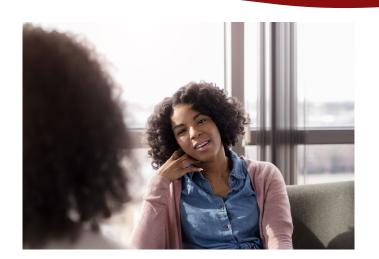
hlabdatadashboard



## Ways to Use Safety First



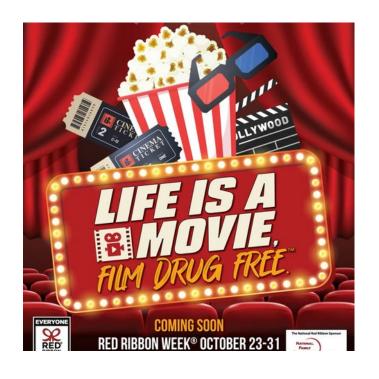
Use the curriculum to deliver lessons to your class or entire school



Use as apsycho educational resource for individual meetings or programs intended for students quitting substances



Use as aresource for Youth
Advisory Boards (YAB)/Peer
Resources



School-wide health campaigns



Present the slides at a community forum for parents and students



Downloadable, online, and free resources

## safetyfirst

What brings you to a harm reduction drug education curriculum?



# What's the concept of harm reduct ion



#### Safety First Does:

- See abstinence as an important, and primary, strategy in reducing drug harms.
- Empower teens to make healthier choices through accurate in formation.
- Recognize that some teens will try drugs.
- Encourage teens to take steps to reduce the pot ential harms of drug use.

#### Safety First Does Not:

- Encourage or condone teen drug use.
- Teach teens how to use drugs
- Judge teens who use drugs.



## How to Reduce Drug Harms

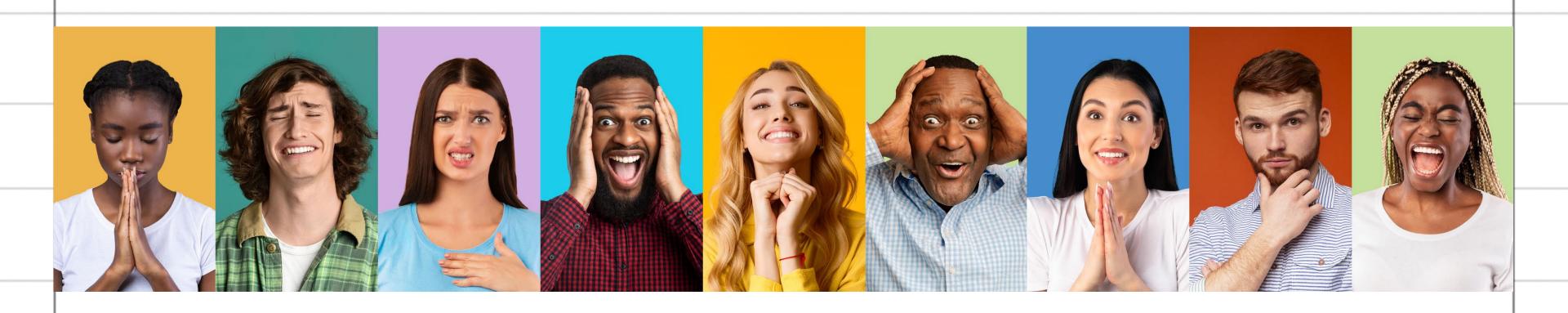
- DON'T USE
- IF USING, the best option is to STOP US
   IF USING, consider CUTTING DOWN
- Gain DRUG KNOWLEDGE
- Know DRUG POLICY
- Look aDOSAGE
- Consider the SETTING
- CHECK THE SUBSTANCE
- DON'T MSUBSTANCES
- Know HowRt6SPOND TO AN EMERsafety

## safetyfirst

1. What are Drugs?

- 13 Lessons
- 2. Keeping You Safe; Reducing Your Harm
- 3. Drugs and the Youth Brain
- 4. Stress, Coping, and Wellness
- 5. Stimulants
- 6. E-cigarettes/Vaping
- 7. Cannabis
- 8. Alcohol & Other Depressants
- 9. Fentanyl & Opioid Awareness & Overdose Prevention
- 10. Hallucinogens
- 11. Media Literacy
- 12. Zero-Tolerance: Understanding School Drug Policy
- 13. Looking Back, Looking Forward

(50 mins each)



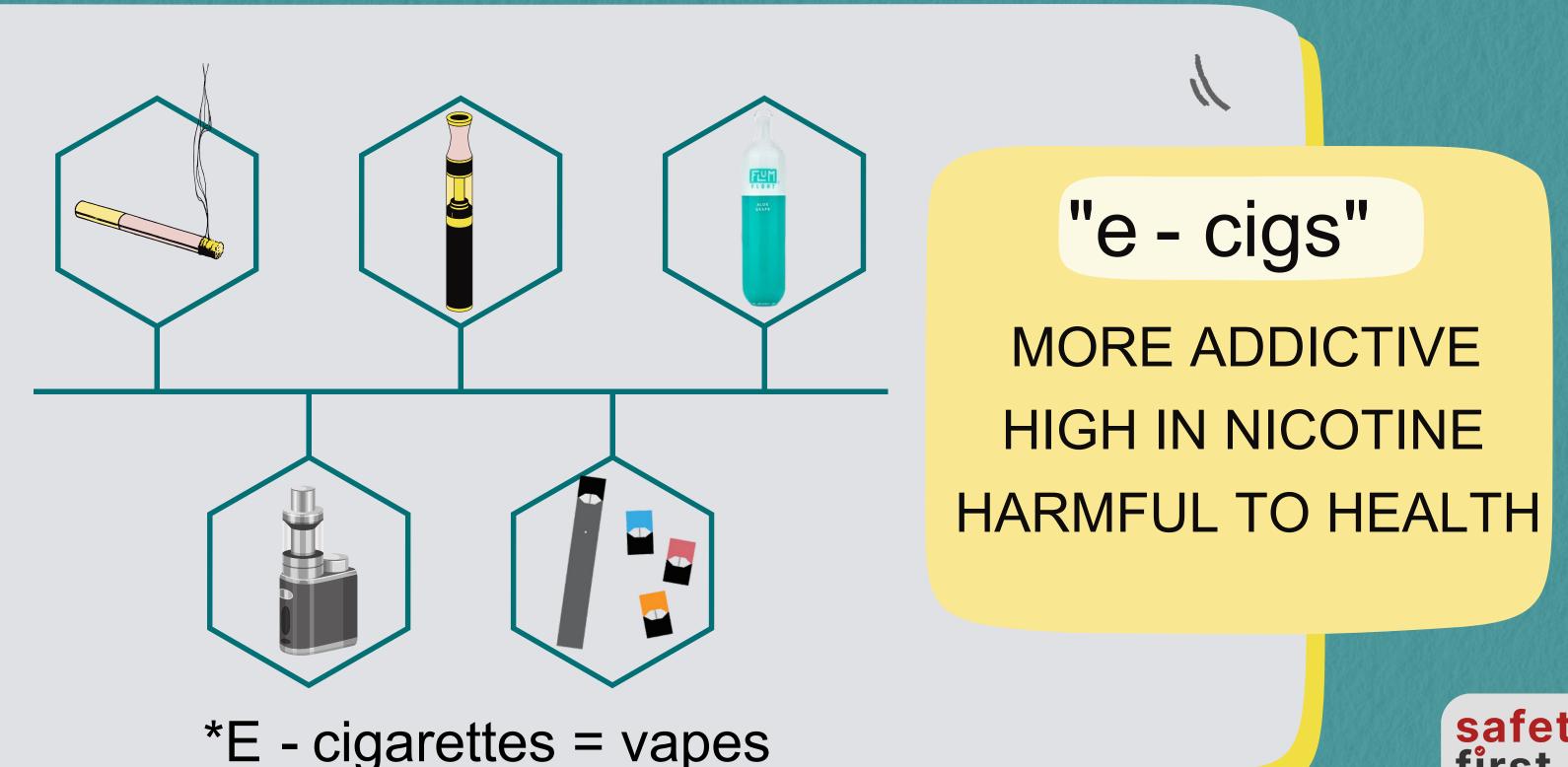
# People who use drugs aren't bad people





## Cigarettes to E

## -cigar et t es





## I WILL EARN...

The harms and real and perceived benefits of e-cig use

About
the harmful
chemicals in
e-cigarette
aerosol

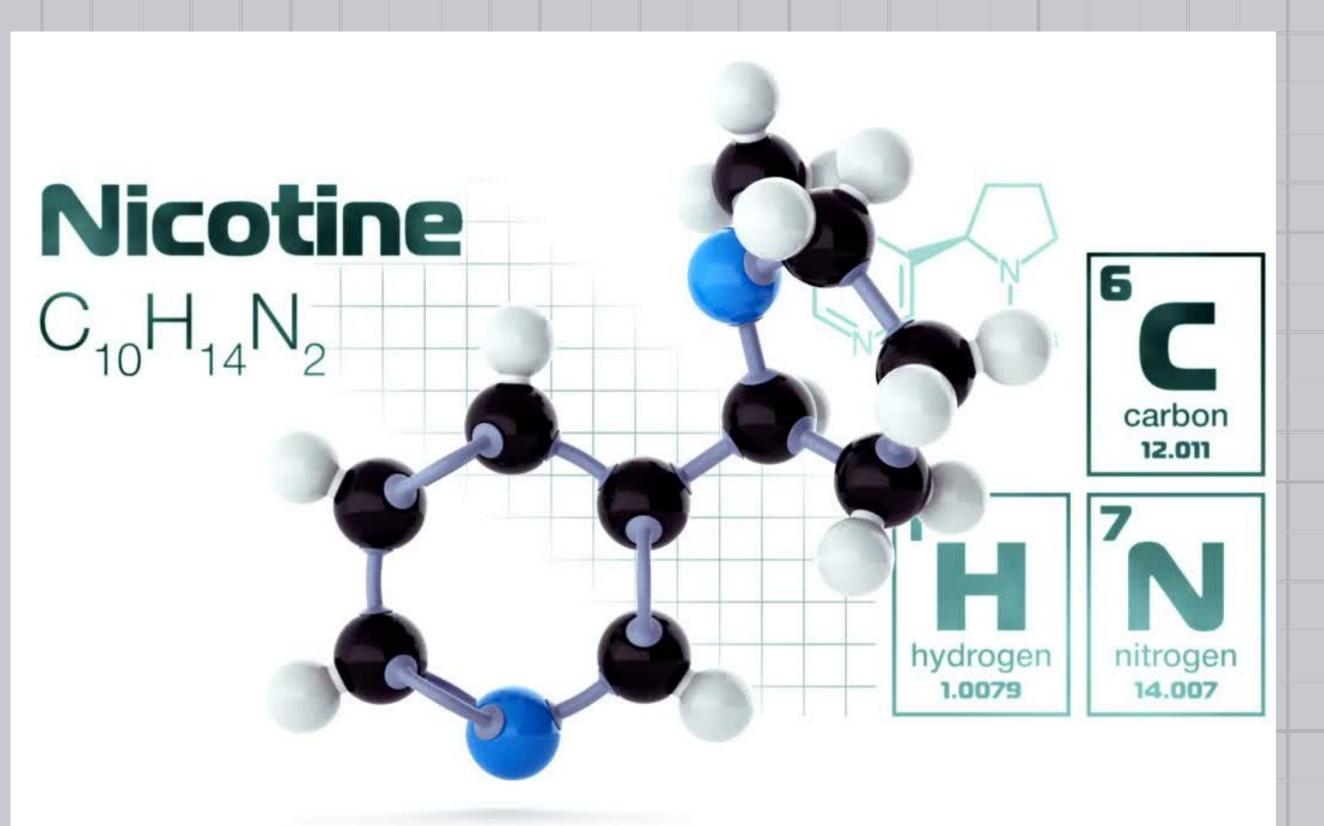
How second and thirdhand smoke can be harmful to others

How my heart, lungs, and other body parts are affected by e-cigarette use





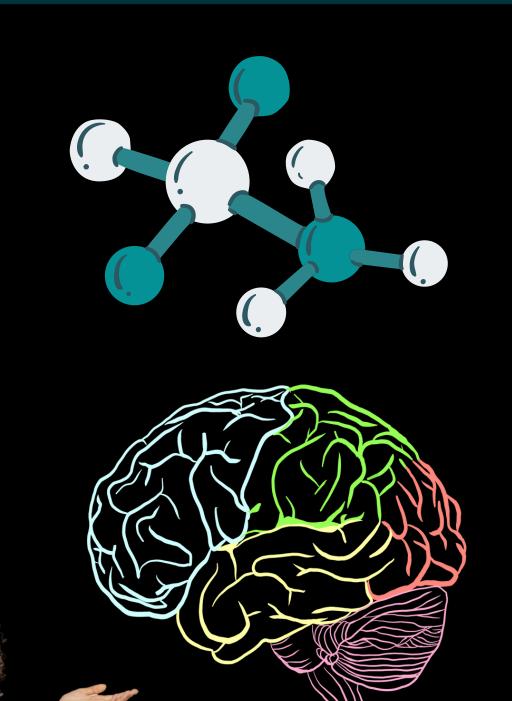
## What is Nicotine?



- DRUG
- STIMULANT
- HIGHLY
   ADDICTIVE
- CAUSES
   CHANGES IN
   BRAIN
   CHEMISTRY
- FOUND IN TOBACCOPRODUCTS

safety first

## NICOTINE EFFECTS



- Highly addictive substance
- Causes changes in brain chemistry - stimulates pleasure centers, alters normal brain function
- As nicotine levels in brain drop, brain craves nicotine to feel pleasure and relieve feelings of anxiety and stress (withdrawal)

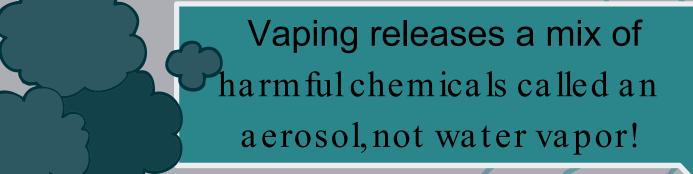






Clear the air, show you care





Vape aerosol pollutes the air with cancerous chemicals, heavy metals, and more!





# What's in that Aerosol?

Propylene glycol

Glycerin

Flavorings (many)

**Nicotine** 

NNN

NNK

NAB

NAT

Ethylbenzene

Benzene

Xylene

Toluene

Acetaldehyde

Formaldehyde

Naphthalene

Styrene

Benzo(b)fluoranthen

Chlorobenzene

Crotonaldehyde

Propionaldehyde

Benzaldehyde

Valeric acid

Hexanal

Fluorine

Anthracene

Pyrene

Acenaphthylene

Acenapthene

Fluoranthene

Benz(a)anthracene

Chrysene

Retene

Benzo(a)pyrene

Indeno(1,2,3cd)pyrene

Benzo(ghi)perylene

Acetone

Acrolein

Silver

Nickel

Tin

Sodium

Strontium

Barium

Aluminum

Chromium

Boron

Copper

Selenium Arsenic

Nitrosamines

Polycyclic aromatic hydrocarbons

Cadmium

safety first

Silicon

Lithium

Lead

Magnesium

Manganese

Potassium

Titanium

Zinc

Zirconium

Calcium

Iron

Sulfur

Vanadium

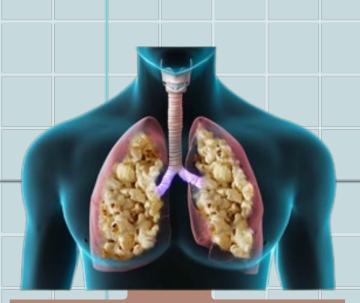
Cobalt

Rubidium

## What's in that E-cig?



#### safety first



Diacetyl (butter flavor)



Nicot ine (tobacco)



Benzene

(gasoline)

Cadmium (batteries



(pesticides)

28
Nickel
58.693

Nickel (cheap jewelry)



-00>

Lead (car batteries)



Toluene (paint thinner)



For mal dehyde (dead t is sue preservative)





## Why Flavors?



## Widely used e-cigarette flavoring impairs lung function

Date: May 23, 2018

Source: American Thoracic Society

Summary: A new study has found that a common e-cigarette flavoring

that has chemical characteristics similar to toxic chemicals found in cigarette smoke disrupts an important mechanism of

the lungs' antibacterial defense system.

Share:



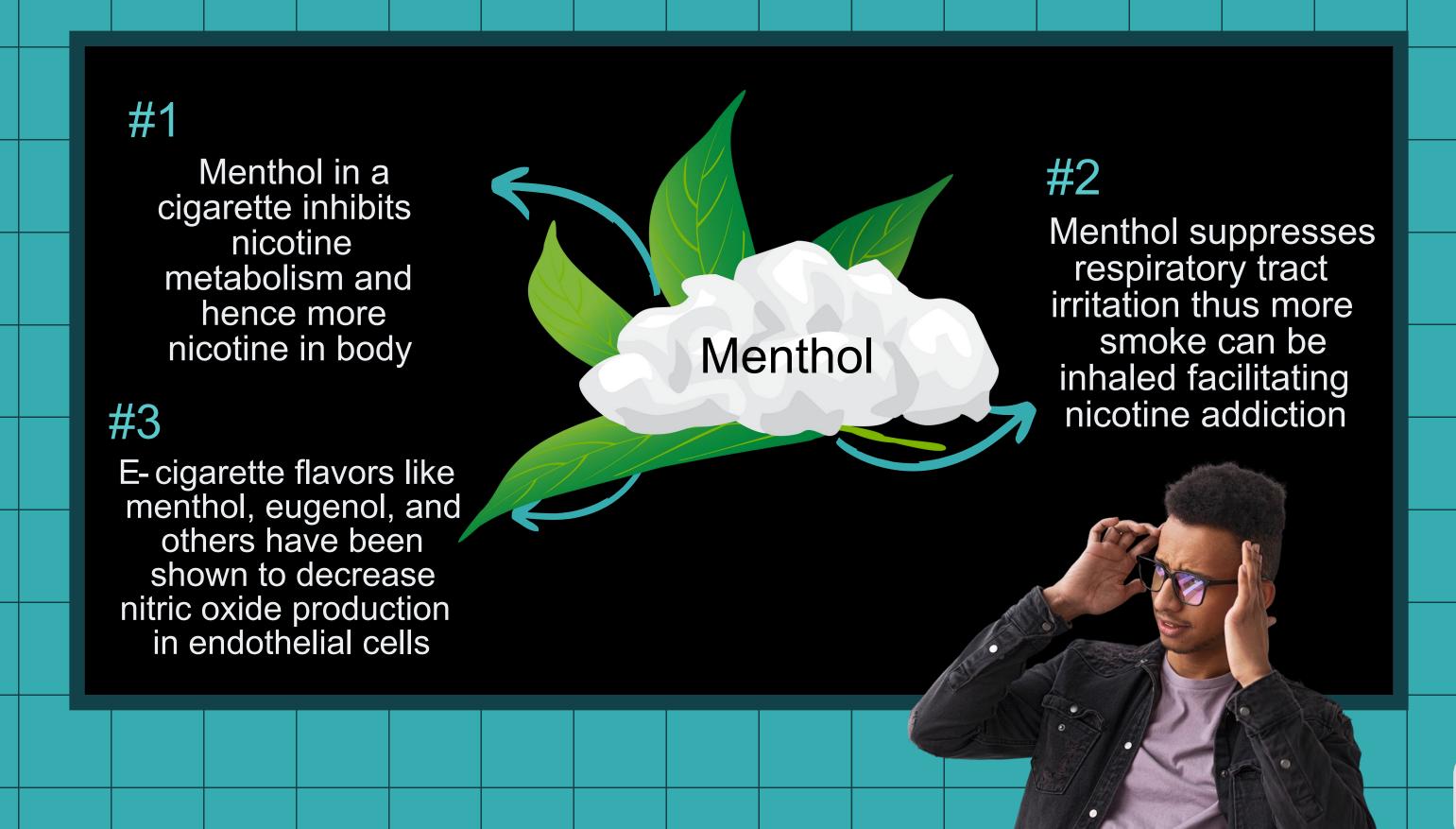






#### FLAVORS/FLAVORANTS

MOST COMMON ARE MENTHOL, MINT, FRUITS LIKE MANGO, DESSERT/CANDY



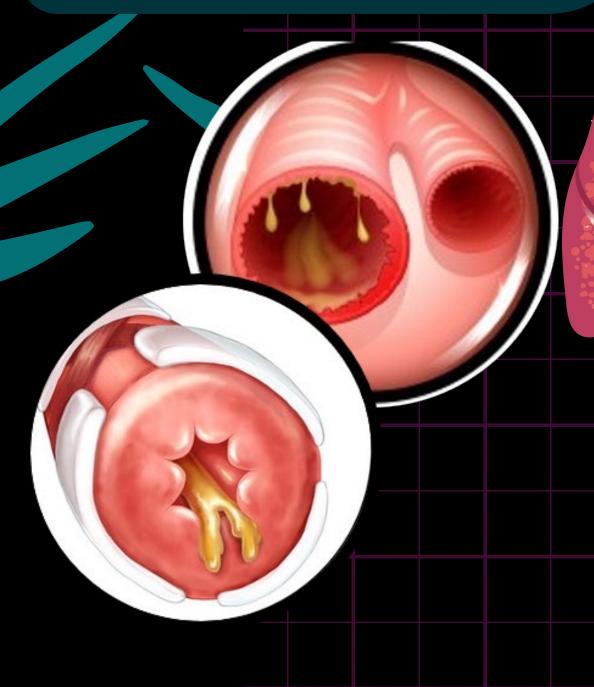




## No Fun in the Lungs

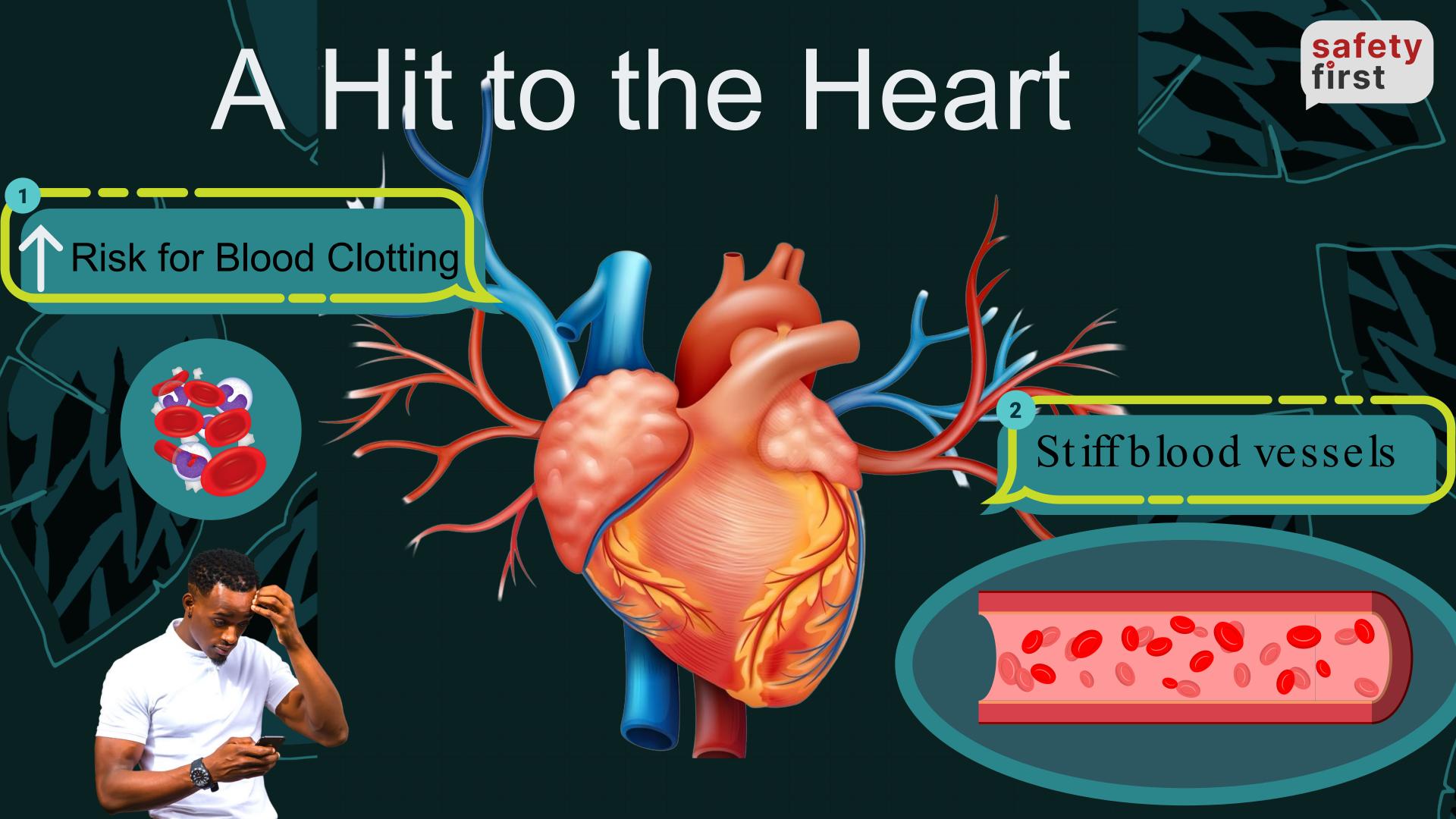
Inflammation and Irritation of the Airways

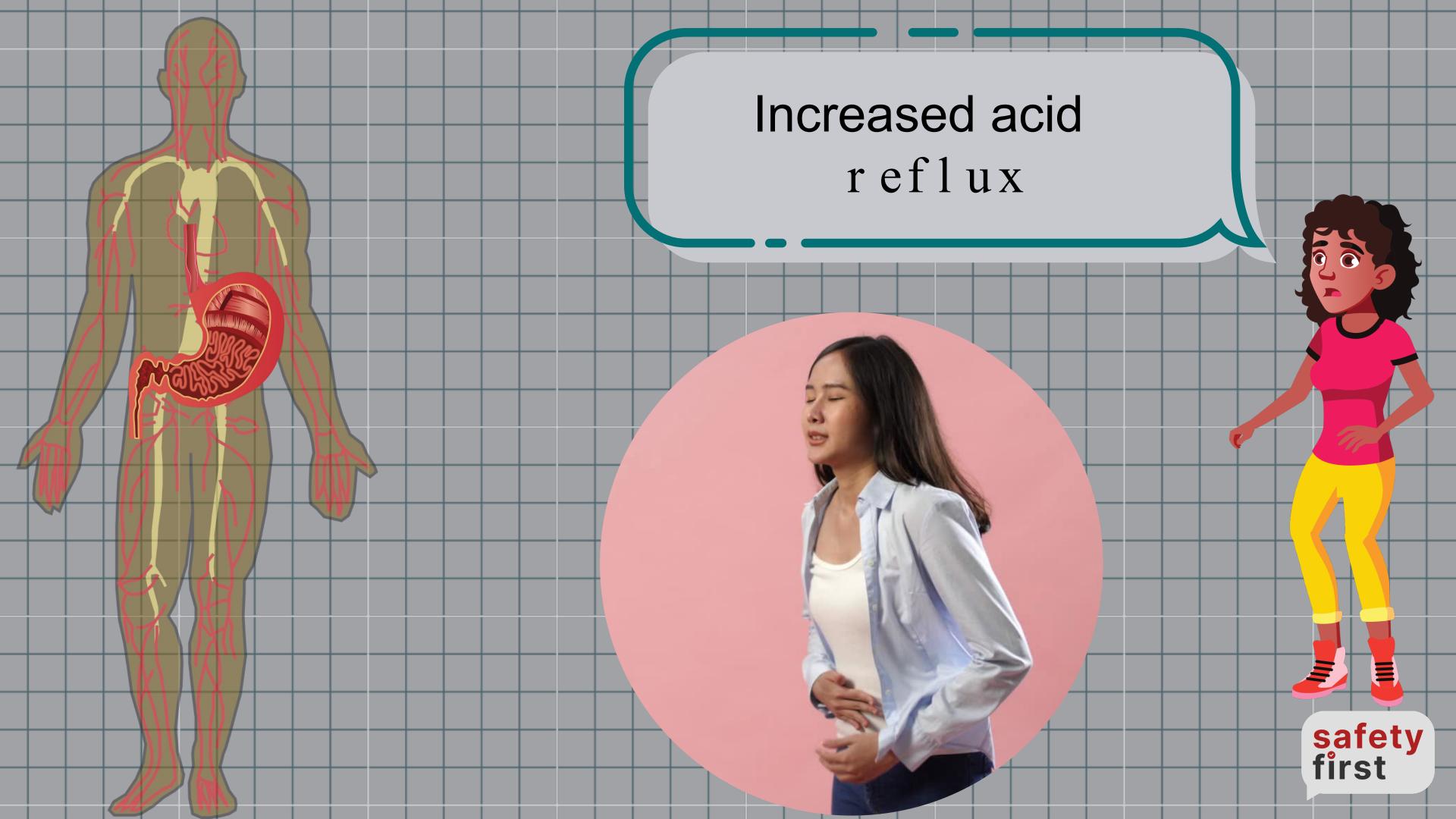
Destruction of Air Sacs in the Lungs

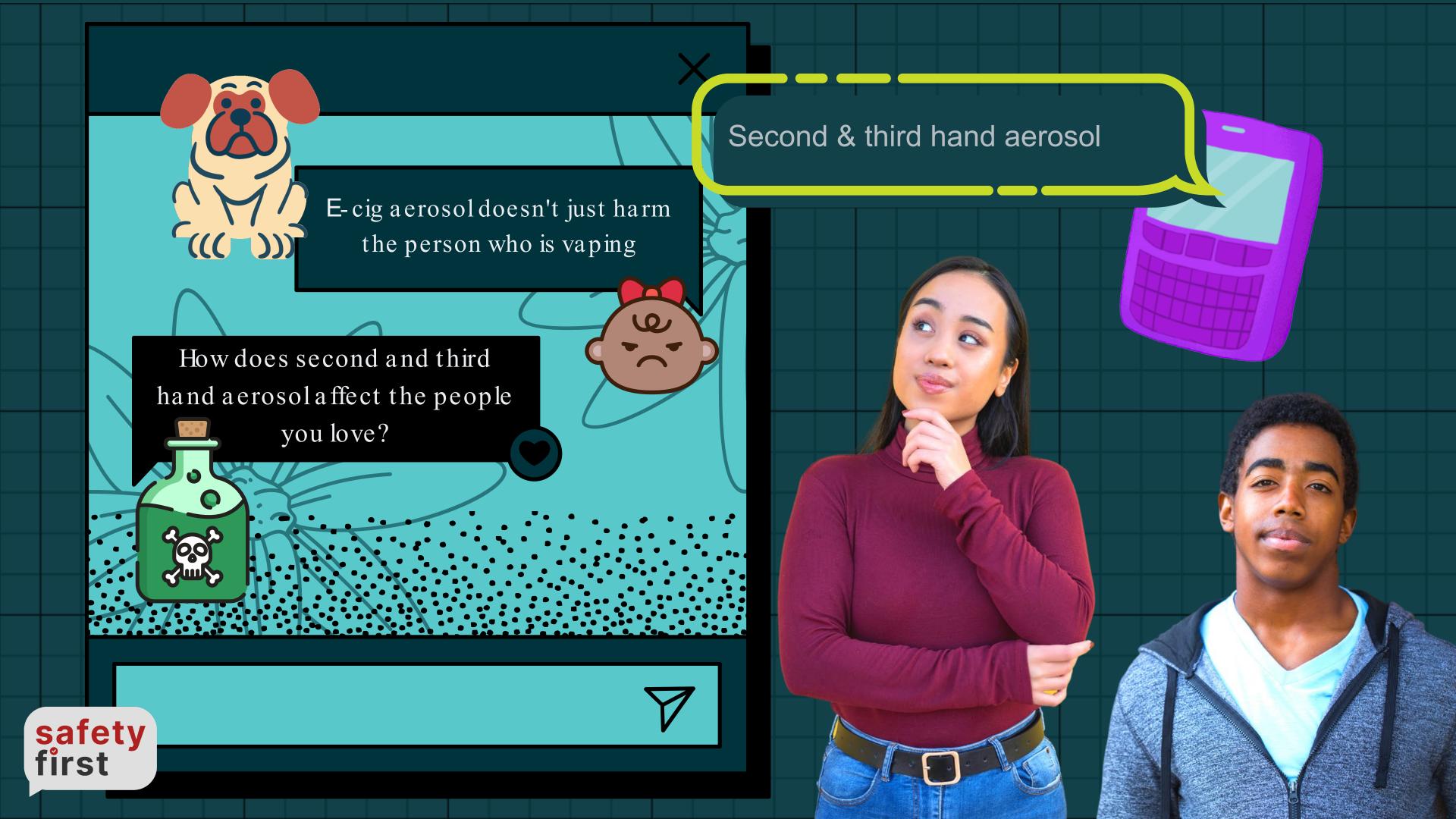


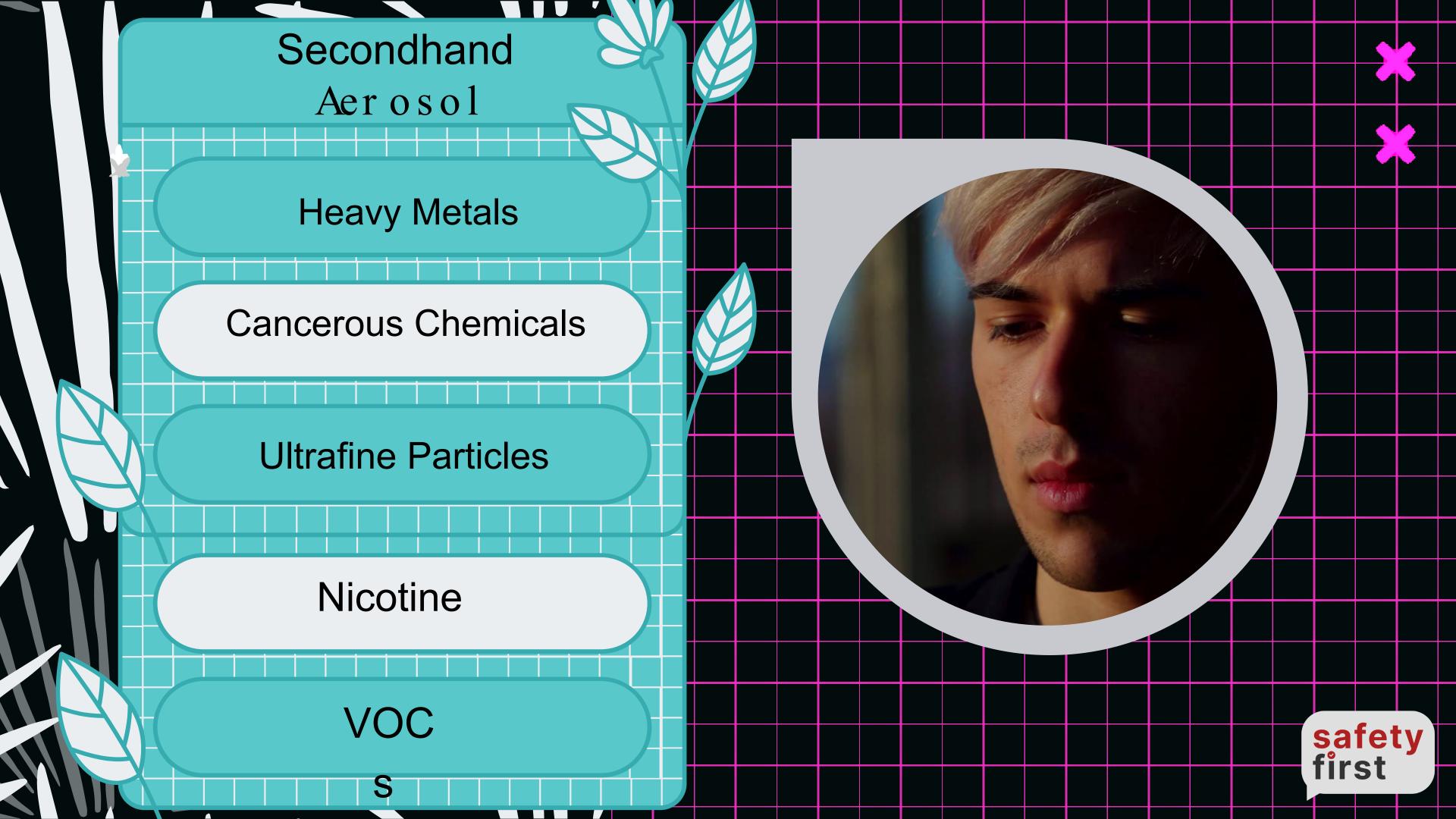
Weaker Immune Response to Infection

safety first











### Reducing Harms of e -cig Use Talk with a Consider Quitting healthcare reducing nicotine provider No dual use of Know drug nicotine Stay healthy policy products BE Avoid illegal e Be in places that **CAREFUI** prohibit smoking cigarrettes. safety first or vaping

## Follow us on Social Media!



@Stanford TPT

@CaptStanford

@StanfordReachYAB

aStanford Reach Lab

@Tobacco Prevention Toolkit

@Cannabis Awareness & Prevention Toolkit

# How School-Based Health & Wellness Centers Can Support Youth

Tracy Nguyen
Training Manager
California School-Based Health Alliance





# 328,000 students have access to high-quality health services

San Diego

## About California School-Based Health & Wellness Centers

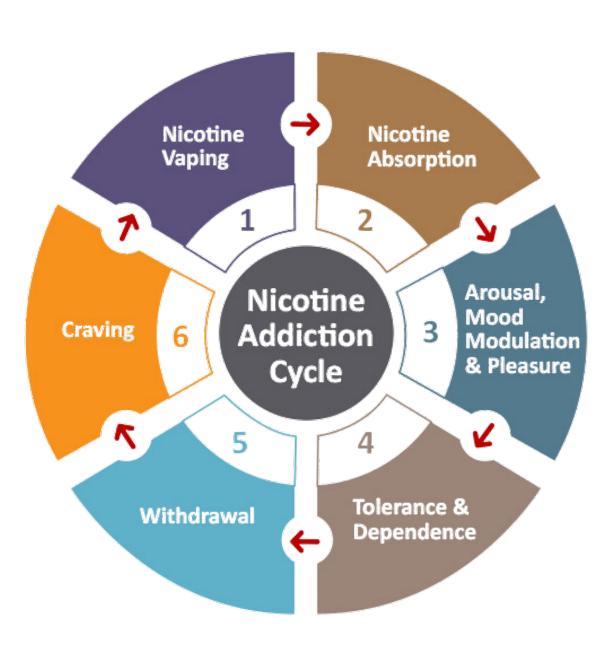
School-based health and wellness centers (SBHCs) offer services in a place that is familiar, trusted, ageappropriate, and convenient for students and families.

In 2000, there were 108
SBHCs; today there are 346
and growing.



### The Intersection Between Vaping and Mental Health

- An increase in number of youth vaping
  - Youth mental health crisis
  - Big Tobacco's deceptive marketing tactics
- Nicotine addiction cycle
  - Contextualize how vaping and other uses of nicotine intersects with mental health
- Mental health benefits of vaping cessation
  - o Decrease in symptoms of anxiety and depression
  - A sense of satisfaction or achievement
  - o Freed from fear of stigma associated with vaping





### How Can SBHCs Support Youth With Addiction?

Let's brainstorm and share out loud together!

- Prevention Education
- Early Intervention
- Counseling and Support
- Community Resources
- Collaboration with Parents/Guardians
- Youth Engagement

- Harm Reduction
- Refusal Strategies
- Screening, Brief Intervention, Referral to Treatment (SBIRT)
- Motivational Interviewing
- Nicotine Replacement Therapy
- Cognitive Behavioral Therapy







chemicals are approved for eating.

### TEENAGE VAPE STORIES

T'S NOT WORTH IT," SHE SAID. "AND IT'S NOT WORTH TH SK, AND IT'S NOT WORTH SEEING YOUR PARENTS CRY YOU'RE IN A HOSPITAL BED."

THEN MCKNIGHT LEFT THE HOSPITAL IN JULY 2019, HE HAD OST 80 LBS.. AND HIS LEFT LUNG AND BOTH HIS KIDNEY. ERE DESTROYED. HE CARRIES AN OXYGEN TANK WITH HI WHEREVER HE GOES, AND WILL HAVE TO ENDURE LUNG AND KIDNEY TRANSPLANTS TO SURVIVE.

SOCIAL MEDIA VS REALITY







## The Los Angeles Trust for Children's Health

- 8 student advisory boards (SABs) from different wellness centers in Los Angeles, California
- Taught the Stanford Tobacco Prevention Toolkit curriculum with their SABs over several weeks
- Created different projects to educate their peers on the harms of tobacco use and vaping



## James Morehouse Project

- Led a school -wide lunch event that included:
  - Jeopardy game
  - Survey about youth perspectives on substance use at school and school responses
  - Reflection board: what stops youth from using substances or what gets in the way of their quitting
  - Sharing of substance use resources

• Had incentives like candy and a raffle for a \$25 gift card

## Sierra High

### School

- Led substance use prevention and harm reduction fairs with various booths and/or activities for students
  - o Friday Night Live booth
  - Aska doctor
  - Free haircuts from local barbers
  - Kahoot game on addiction
  - Survey
- Had incentives like free popcorn and opportunity to win prizes





## CSHA Youth 2 Youth Conference

- A convening of over 100 youth from all over California to share their work on:
  - Substance use prevention and alternatives to discipline
  - Youth advocacy and leadership
  - Peer-to-peercounseling/mentorship



### Antioch High School

- Peer Intervention Education (PIE)
  - Contra Costa County Office of Education (CCCOE), Tobacco Use Prevention Education Program, and Advanced Peer Advocates co-created PIE curriculum
  - All peers are trained once a
     year by CCCOE to be certified
     to do PIE
  - It's often used as an alternative to suspension



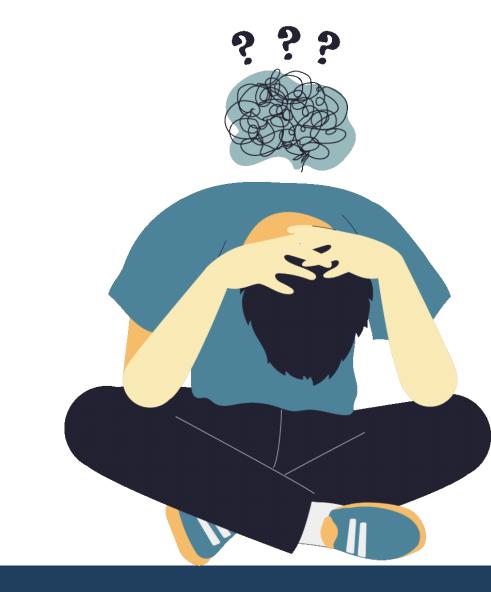
## What Are Some Common Challenges When Working with Youth?

Let's brainstorm and share out loud

together!

- Sustained Youth Participation
- Tokenism
- Timing and Frequency of Meetings
- Capacity
- Obtaining Permission Slips
- Funding







## What Are Some Best Practices In Engaging Young People?

Let's brainstorm and share out loud together!

- Provide incentives (e.g., food, gift cards, hoodies, etc.)
- Including them in the planning process
- Being respectful of youth's views, diversity, culture, and time
- Learn from youth on what they think are important issues/things that interest them
- Giving youth the space, tools, and opportunity to lead











### Key Takeaways

- A harm reduction approach goes a long way, especially for youth who use substances
- SBHCs are ideally positioned to support young people
  - All SBHCs are unique in their own ways so they are likely to approach substance use prevention differently
  - They can make an impact with resources and tools like Safety First
- Ultimately, we're hoping to increase access to substance use prevention strategies when youth utilize SBHCS







### Resources

### CSHA Peer-to-Peer Mental Health Support Webpage:

https://www.schoolhealthcenters.org/resources/student-impact/peer-support/

#### CSHA SBIRT Quick Guides Webpage:

https://www.schoolhealthcenters.org/resources/student-impact/substance-use/sbirt-quick-guides/

#### CSHA Substance Use Webpage:

https://www.schoolhealthcenters.org/resources/student-impact/substance-use/

#### CSHA Youth Health Worker Curriculum:

https://www.schoolhealthcenters.org/wp-content/uploads/2020/08/Youth-Health-Worker-Curricula-2020.pdf?mc\_cid=3d3a1aa0b8&mc\_eid=be5c43420a

## R

#### Stanford Reach Lab

https://med.stanford.edu/halpern-felsher-reach-lab

### Safety First

https://med.stanford.edu/halpern-felsher-reach-lab/preventions-interventions/Safety-First.html



## Thank you!

### Questions?

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Share your story using the sample social media posts and graphics from our social media toolkit or your own selfie!

### Visit the Toolkit

