

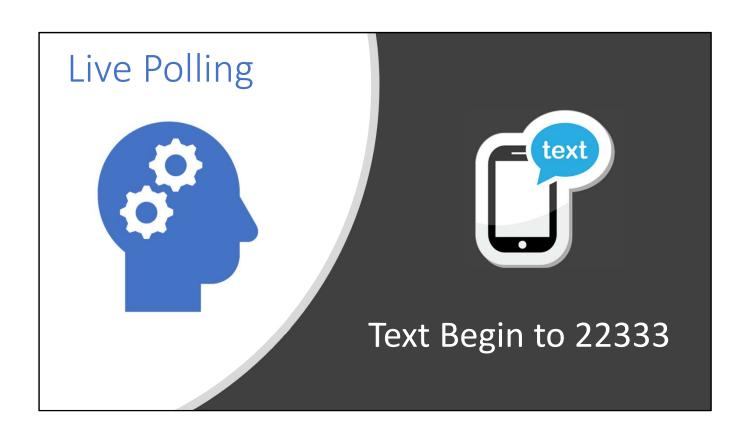
What we'll cover today

What is being done about it?

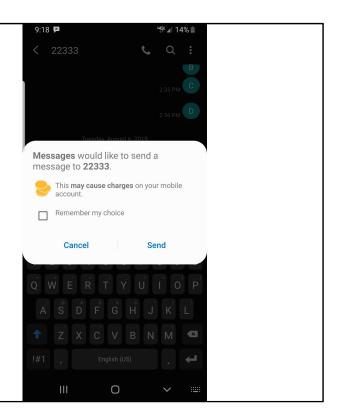
What you can do about it.

# Presentation Rules

- Judgement-free zone
- Quizzes throughout
- Questions at the end
- Keep phones at the ready!





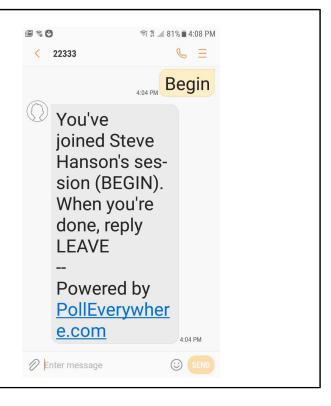


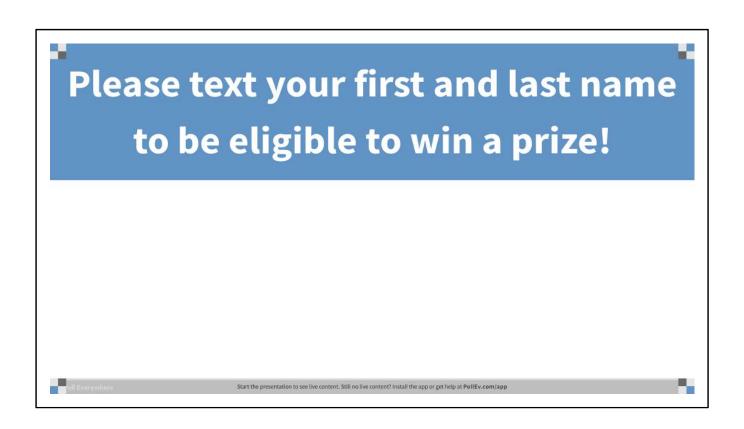
Text the word

Begin

to

22333





Poll Title: Please text your first and last name to be eligible to win a prize! https://www.polleverywhere.com/free\_text\_polls/qbpvpWttBh79toq

"We just don't know enough about vaping yet."

"We just don't know enough about vaping yet."

Yes we do!!!!

#### Terminology

- •<u>E</u>lectronic
- •Nicotine
- •<u>D</u>elivery
- •<u>S</u>ystems



Image: retrieved 08/07/2018 from https://geiselmed.dartmouth.edu/news/wp-content/uploads/sites/2/2018/03/e-cig-shutterstock\_140876200.jpg

#### AKA:

- ■E-cigs
- ■E-pens
- ■E-hookahs
- ■Vape sticks
- ■Vape pens
- ■Mods
- ■Mod pods
- Juul
  ("Juuling")



Image: retrieved 08/07/2018 from https://geiselmed.dartmouth.edu/news/wp-content/uploads/sites/2/2018/03/e-cig-shutterstock\_140876200.jpg

### E-cigarettes vs vaping:

What's the difference?

Some people mistakenly think only e-cigarettes contain nicotine, so they don't think vaping is a problem since there's no nicotine. WRONG! These are different names for the same thing.

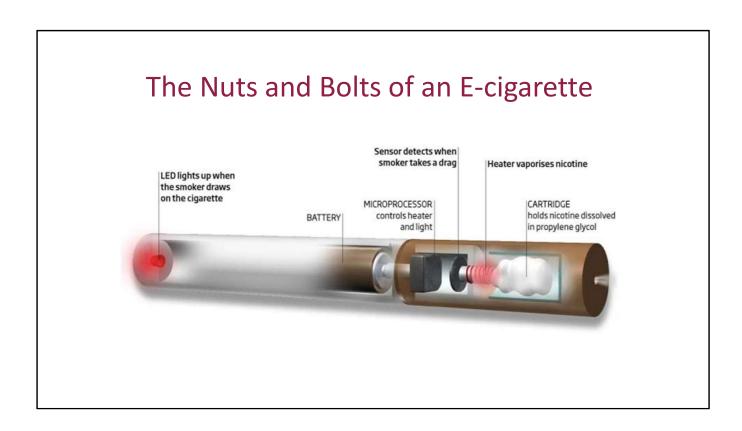


Image: <a href="http://www.madvapes.com/media/e-cig-parts.jpg">http://www.madvapes.com/media/e-cig-parts.jpg</a>

#### Open system



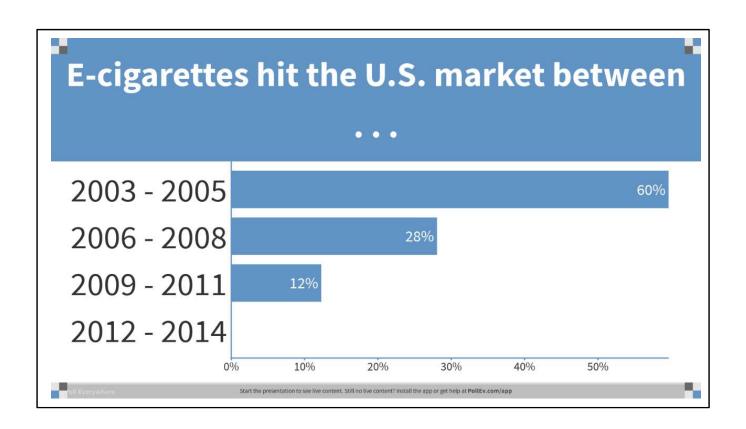
Image: <a href="https://s-media-cache-ak0.pinimg.com/736x/a4/b0/e3/a4b0e3bc554bd47cc46beae64a709f8e.jpg">https://s-media-cache-ak0.pinimg.com/736x/a4/b0/e3/a4b0e3bc554bd47cc46beae64a709f8e.jpg</a>

E-liquid comes in bottles, greater potential for harmful nicotine exposure (ingestion and skin absorption concerns)

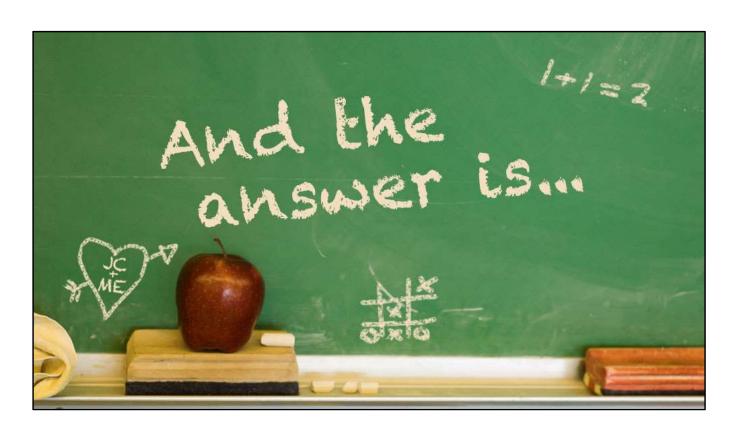


Left: <a href="https://www.njoy.com/">https://www.njoy.com/</a> Right: <a href="https://www.blucigs.com/">https://www.blucigs.com/</a>

E-liquid comes in cartridges, intended for the consumer to never come into direct contact with the liquid



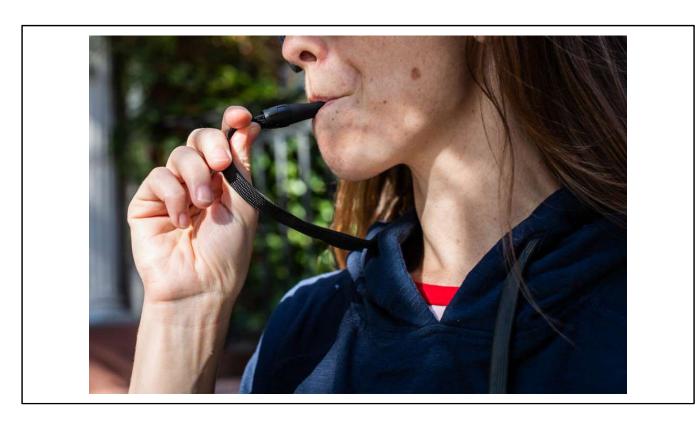
Poll Title: E-cigarettes hit the U.S. market between . . . https://www.polleverywhere.com/multiple\_choice\_polls/1hPGZdVBY5ArtBb



B. 2006 - 2008



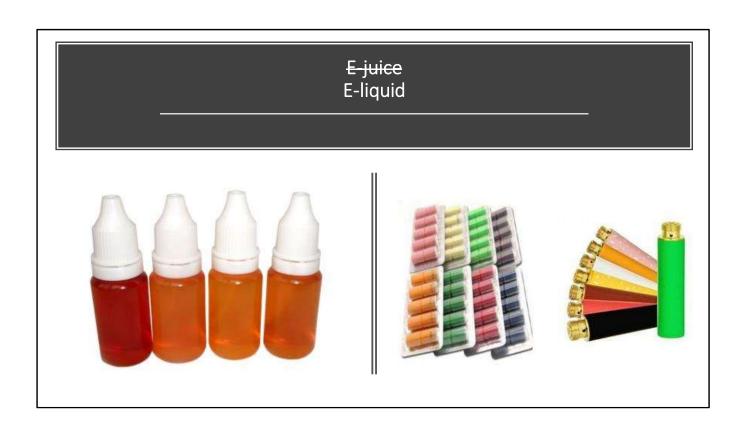
Source: <a href="https://californiahealthline.org/news/camouflaged-vaping-devices-are-hoodwinking-parents-and-schools/">https://californiahealthline.org/news/camouflaged-vaping-devices-are-hoodwinking-parents-and-schools/</a>



Source: <a href="https://californiahealthline.org/news/camouflaged-vaping-devices-are-hoodwinking-parents-and-schools/">https://californiahealthline.org/news/camouflaged-vaping-devices-are-hoodwinking-parents-and-schools/</a>



Source: <a href="https://californiahealthline.org/news/camouflaged-vaping-devices-are-hoodwinking-parents-and-schools/">https://californiahealthline.org/news/camouflaged-vaping-devices-are-hoodwinking-parents-and-schools/</a>



Left: <a href="https://www.youtube.com/watch?v=KvQ6K8ariWs">https://www.youtube.com/watch?v=KvQ6K8ariWs</a>

Right: https://electriccigarettereviewer.com/wp-content/uploads/2014/08/prefilled-

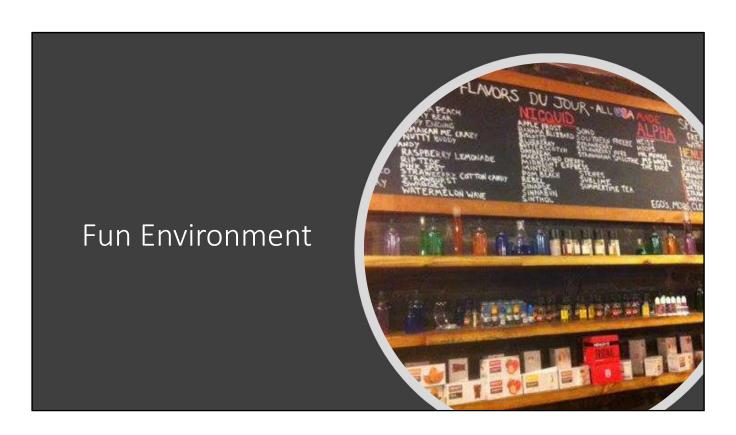
cartridge-e1421632538332.jpg

The industry wants us to call in juice to make it sound healthy



Source: <a href="https://quitsmokingcommunity.org/e-liquid/">https://quitsmokingcommunity.org/e-liquid/</a>





There are more than 7,700 flavors currently on the market (2017) www.tobaccofreekids.org/microsites/flavortrap/full-report.pdf





Traditional cigarettes have thousands of chemicals. Alligators have lots of teeth.



Does removing teeth from an alligator make it safe?

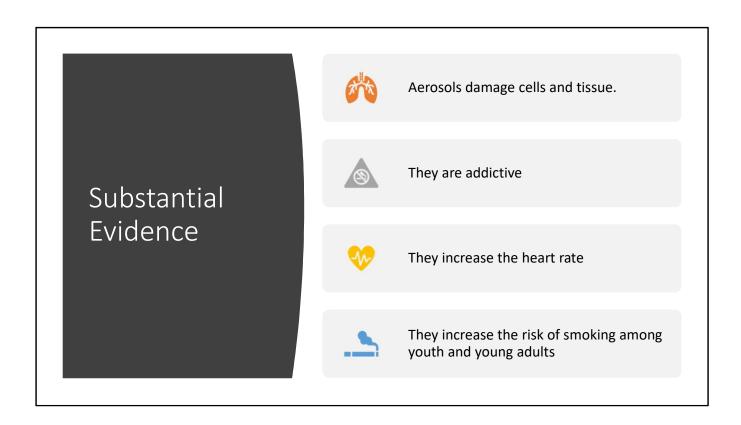
## Are e-cigarettes safer than traditional cigarettes?

• To make the claim they are safer than cigarettes, the FDA must review the product and deem it safer. No product has been deemed safer to date.



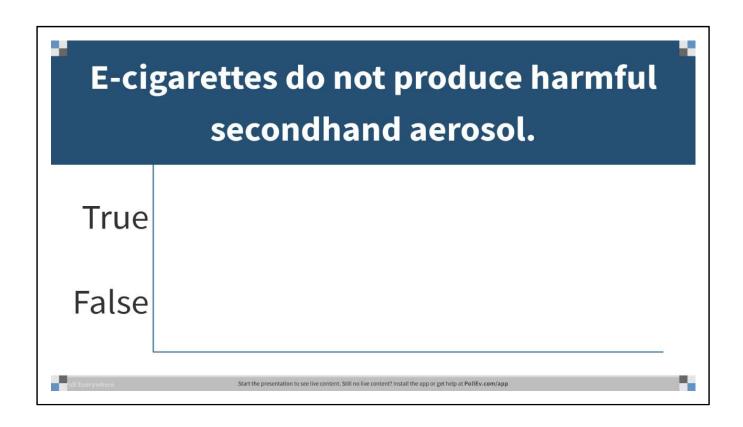
Public Health Consequences of E-Cigarettes, National Academies of Sciences, Engineering, and Medicine

http://nationalacademies.org/hmd/Reports/2018/public-health-consequences-of-e-cigarettes.aspx

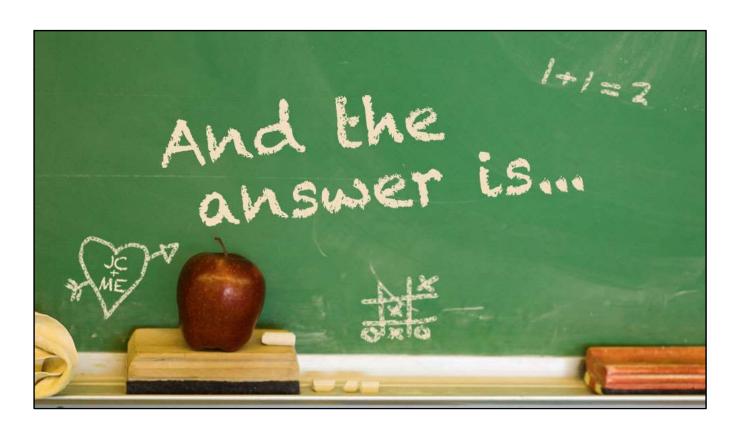


Public Health Consequences of E-Cigarettes, National Academies of Sciences, Engineering, and Medicine:

https://www.nap.edu/resource/24952/012318ecigaretteConclusionsbyEvidence.pdf



Poll Title: E-cigarettes do not produce harmful secondhand aerosol. https://www.polleverywhere.com/multiple\_choice\_polls/IZUXRmyOy6aB4OE



B. False – they do



http://nypost.com/2017/01/17/an-e-cigarette-exploded-inside-this-mans-mouth/



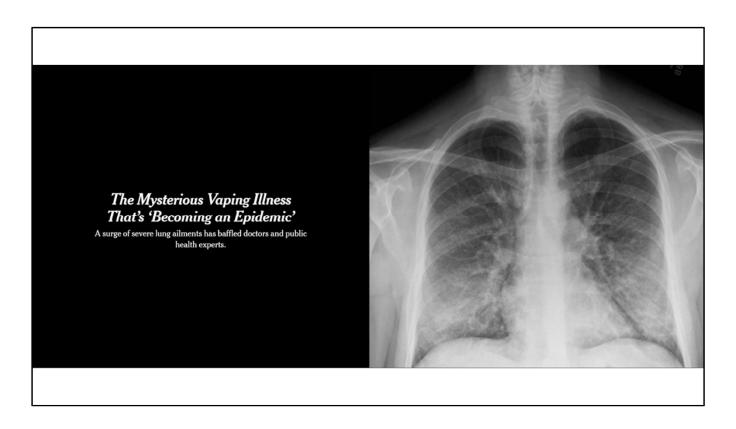
E-cigarettes can be used as a delivery system for a large number of drugs besides nicotine – including THC (the active drug in marijuana), alcohol, and other drugs.

#### Left:

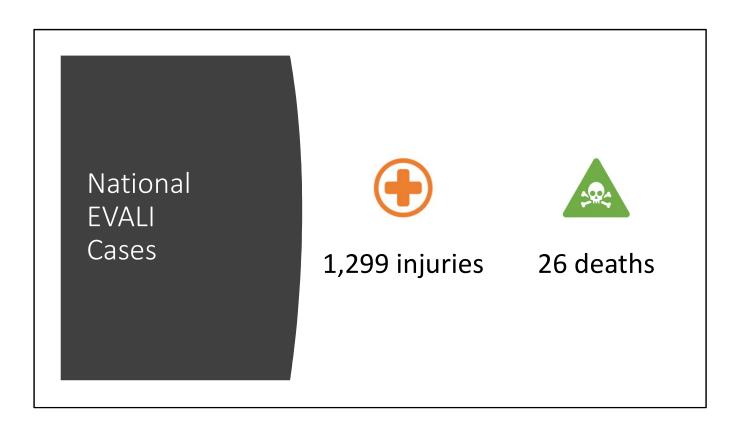
http://static.lakana.com/media.fox32chicago.com/photo/2015/10/15/liquor 1444954589 078 360968 ver1.0.jpg

#### Right:

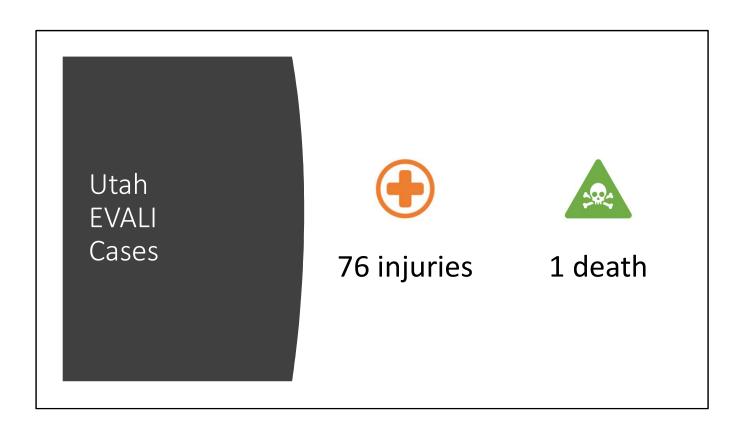
http://static.lakana.com/media.fox32chicago.com/photo/2015/10/15/liquor 1444954589 078 360968 ver1.0.jpg



https://www.nytimes.com/2019/08/31/health/vaping-marijuana-ecigarettes-sickness.html



EVALI (e-cigarette, or vaping, product use associated lung injury) <a href="https://www.cdc.gov/tobacco/basic">https://www.cdc.gov/tobacco/basic</a> information/e-cigarettes/severe-lung-disease.html



Lung Disease Investigation: <a href="https://health.utah.gov/lung-disease-investigation">https://health.utah.gov/lung-disease-investigation</a>

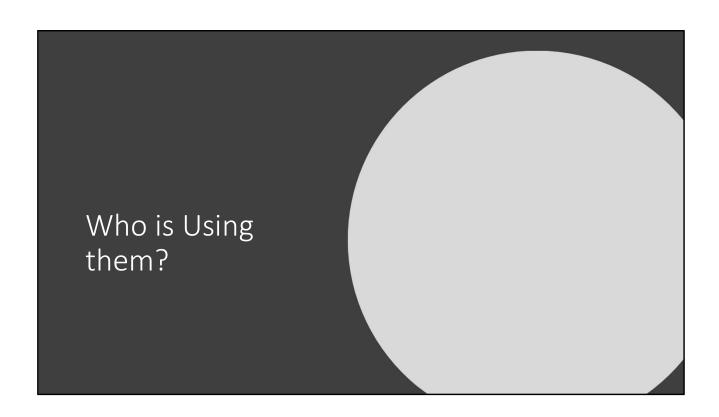


Image: http://ehp.niehs.nih.gov/wp-content/uploads/2014/09/ehp.122-A244.g0031.jpg

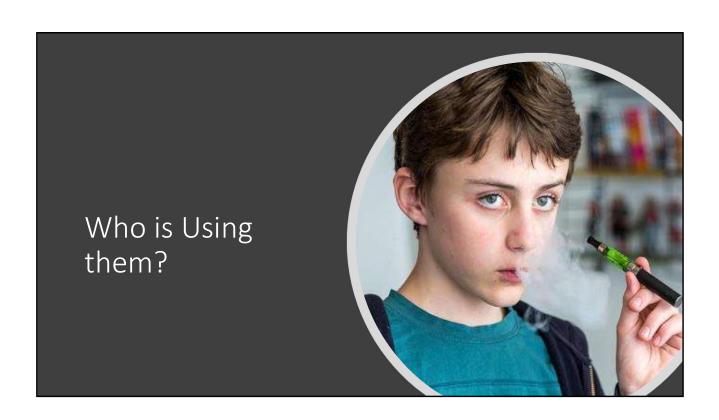
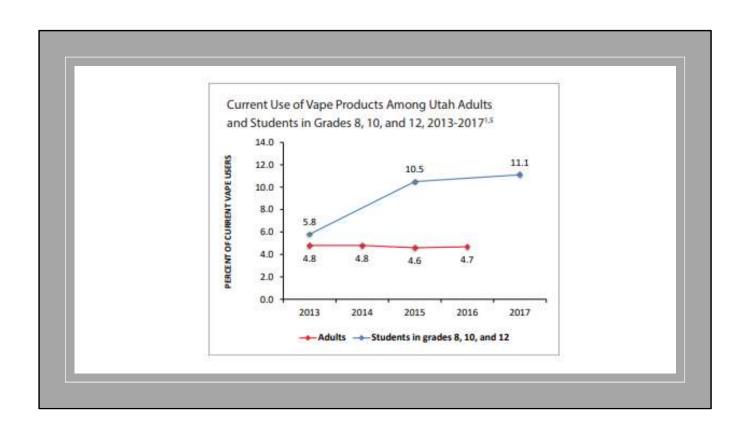
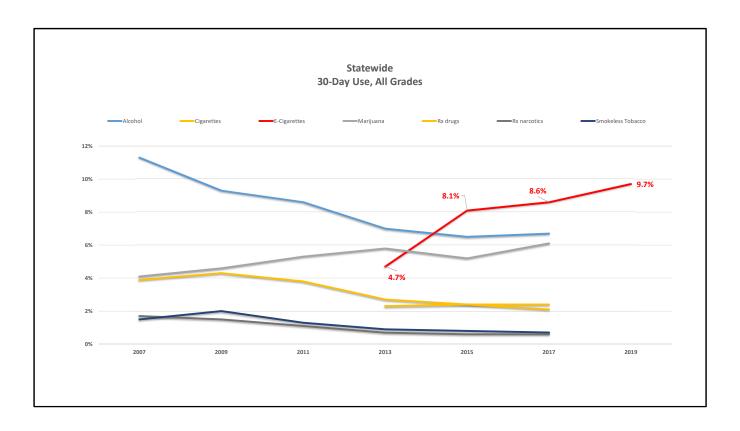


Image: http://ehp.niehs.nih.gov/wp-content/uploads/2014/09/ehp.122-A244.g0031.jpg

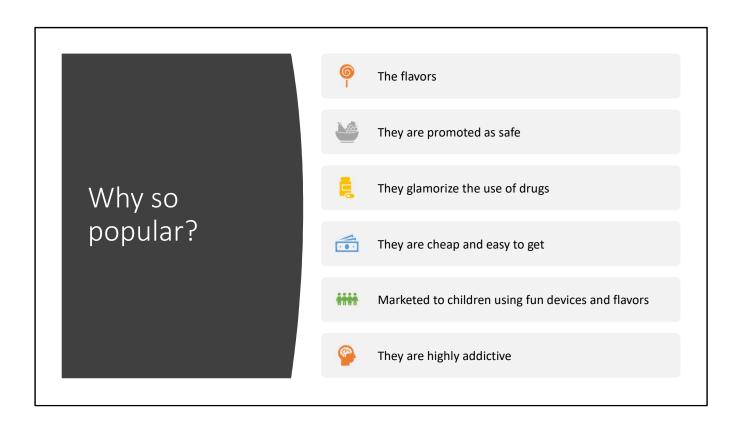


http://www.tobaccofreeutah.org/pdfs/TPCPFY%20Current%20report.pdf



2019 Preliminary date from the Student Health and Risk Prevention (SHARP) Statewide Survey

- 1. Alcohol had beer, wine, or hard liquor to drink during the past 30 days?
- 2. Cigarettes smoked cigarettes during the past 30 days?
- 3. E-Cigarettes use electronic cigarettes, e-cigarettes, vape pens, or e-hookahs during the past 30 days?
- 4. Marijuana used marijuana (grass, pot) or hashish (hash, hash oil) during the past 30 days?
- 5. Rx drugs used prescription drugs (stimulants, sedatives, tranquilizers, or narcotics) without a doctor telling you to take them, during the past 30 days?
- 6. Rx narcotics used narcotic prescription drugs (such as OxyContin, methadone, morphine, codeine, Demerol, Vicodin, Percocet) without a doctor telling you to take them, during the past 30 days?
- 7. Smokeless Tobacco use chewing tobacco, snuff, or dip during the past 30 days?



"So a question you may also be asking yourself, is do we know why youth tobacco product uses increasing. The answer to that is yes. As I noted before the advertising will bring a horse to water, the flavors will get them to drink, and the nicotine will keep them coming back for more. We know that exposure to tobacco product advertising and imaging through various media including retail stores, the Internet, television, and other sources can cause youth to start using tobacco products."

Dr. Brian King from CDC's Office of Smoking on Health

https://www.cdc.gov/media/releases/2019/t0211-tobacco-youth-rising.html

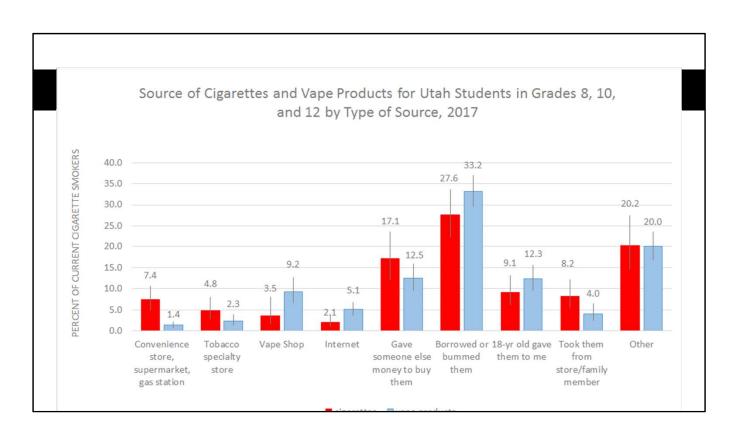
# Why so popular?

### From youth:

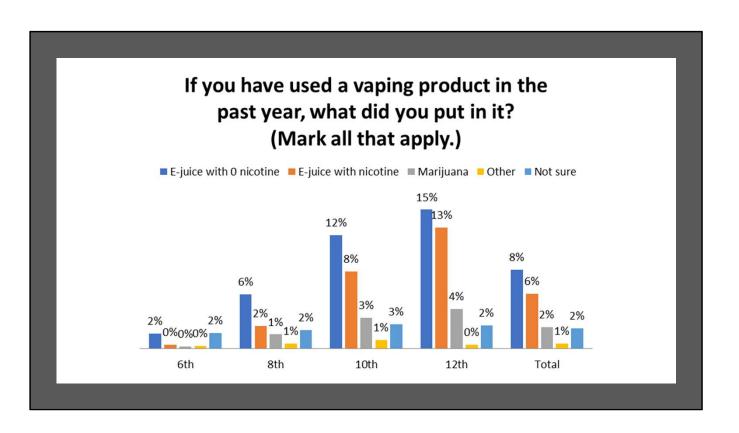
- Cloud tricks
- Less stigma than smoking
- Bigger buzz
  The smell, or lack thereof
  Easier to hide use
- Help cope with stress
- "No one told us they were bad."



Image: http://vaporizerforweed.org/wp-content/uploads/2017/04/vape-tricks.jpg



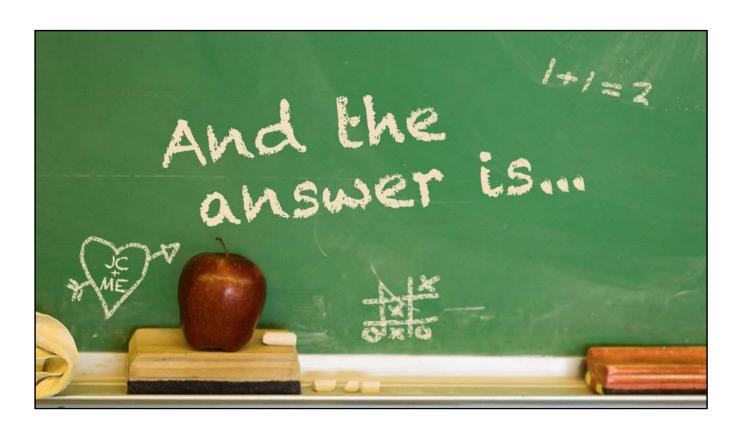
http://www.tobaccofreeutah.org/pdfs/TPCPFY%20Current%20report.pdf



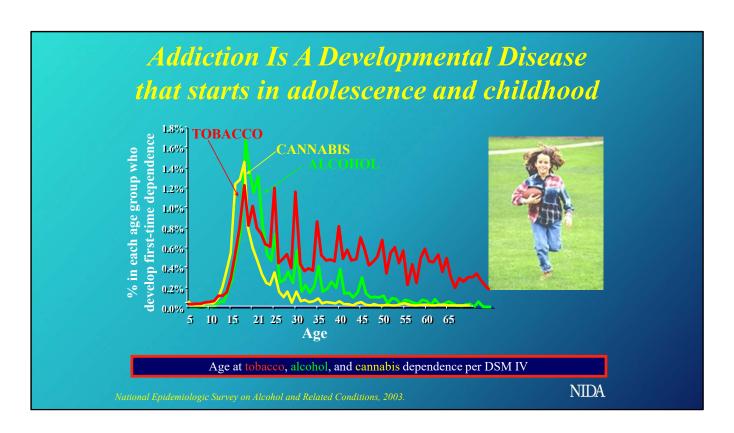
Data from 2017 Utah Student Health and Risk Prevention (SHARP) Survey Compiled by Bach Harrison, LLC



Poll Title: This is the most common way youth obtain vape products. https://www.polleverywhere.com/multiple\_choice\_polls/M1tiQNaUH783fn8



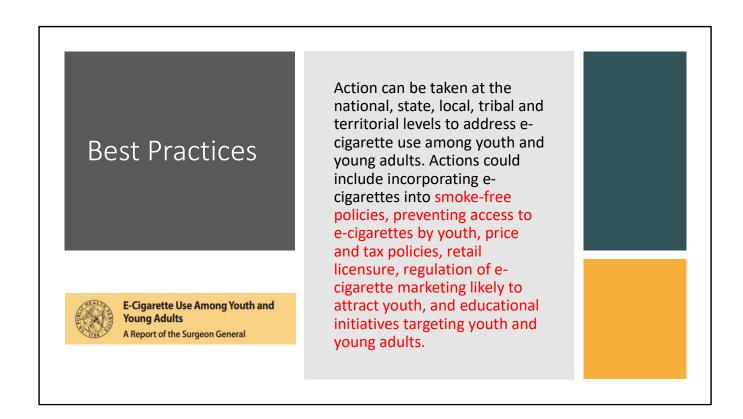
C. Borrowed or bummed



### Addiction usually begins in adolescence, thus early prevention is critical.

This slide illustrates the age at which drug dependence is first diagnosed, which for tobacco, alcohol and marijuana, is typically in adolescence or early adulthood. Much of the research supported by NIDA is aimed at preventing drug use from ever starting. This research ranges from highly complex molecular and imaging studies to devising effective messages that "speak" to young people.

What's being done about it?



https://e-cigarettes.surgeongeneral.gov/documents/2016 SGR Fact Sheet 508.pdf



Since 2012 in Utah, the use of e-cigs is prohibited in all the same indoor public places that traditional cigarettes are prohibited



E-cigs are prohibited in all places traditional cigarettes are.



E-cigs are prohibited in all places traditional cigarettes are.



Must be 19 or older to purchase e-cigarettes (e-liquid and devices)





Utah Municipal Code 10-8-41.6. Regulation of retail tobacco specialty business.

https://le.utah.gov/xcode/Title10/Chapter8/10-8-S41.6.html?v=C10-8-S41.6 2018050820180701

Utah Counties17-50-333. Regulation of retail tobacco specialty business.

https://le.utah.gov/xcode/Title17/Chapter50/17-50-S333.html



## Smoke and Vape Shop Regulation



### 1,000 feet from:

- 1. a kindergarten, elementary, middle, junior high, or high school
- 2. a licensed child-care facility or preschool
- 3. a trade or technical school
- 4. a church
- 5. a public library
- 6. a public playground
- 7. a public park
- 8. a youth center or other space used primarily for youth-oriented activities
- 9. a public recreational facility
- 10. a public arcade

Utah Municipal Code 10-8-41.6. Regulation of retail tobacco specialty business.

https://le.utah.gov/xcode/Title10/Chapter8/10-8-S41.6.html?v=C10-8-S41.6 2018050820180701

Utah Counties17-50-333. Regulation of retail tobacco specialty business.

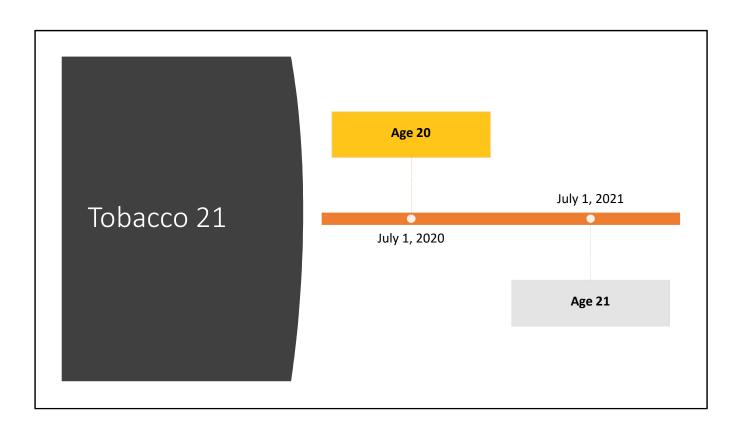
https://le.utah.gov/xcode/Title17/Chapter50/17-50-S333.html



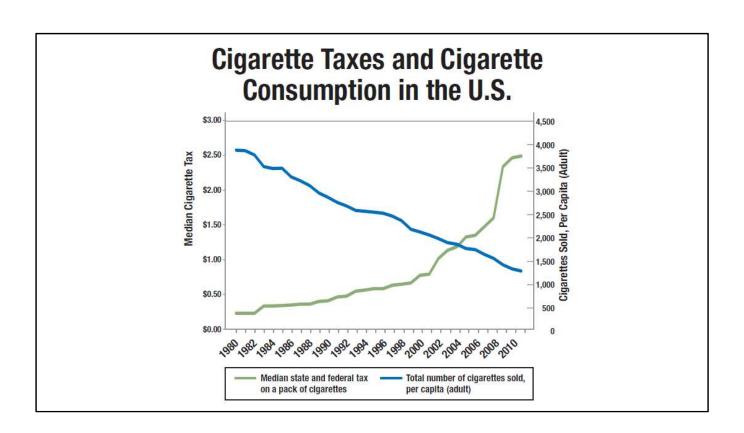


DeAnn Kettenring Health Commissioner, Utah State PTA

DeAnn was the one who really spear-heading efforts in Lehi. She reached out directly to the local PTA as well as the principals from each school in Lehi to make sure they were on board with the T21 ordinance.



2019's H.B. 324 Tobacco Age Amendments https://le.utah.gov/~2019/bills/static/HB0324.html



EC's are about 86% cheaper than combustible cigarettes without an excise tax.

Sources: American Lung; CDC; Orzechowski and Walker; <a href="https://www.aei.org/wp-content/uploads/2013/08/img-hassett-chart-piece-july-2013">https://www.aei.org/wp-content/uploads/2013/08/img-hassett-chart-piece-july-2013</a> 15364933528.png



# **Emergency Rule**

- R384-418. Electronic-Cigarette Mandatory Warning Signage and Sale Restrictions.
- 1. THC warning sign placed at all retail tobacco locations
- 2. No flavored e-cigarette products at general tobacco retailers
- 3. October 21, 2019



http://utahtobaccolaws.org/emergency-rule-r384-418/

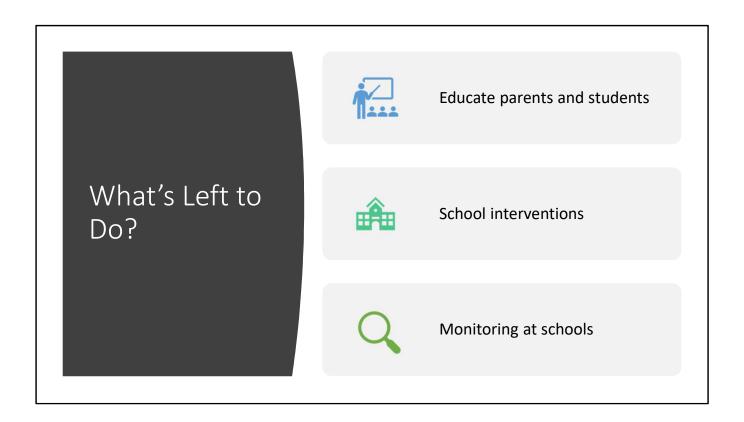


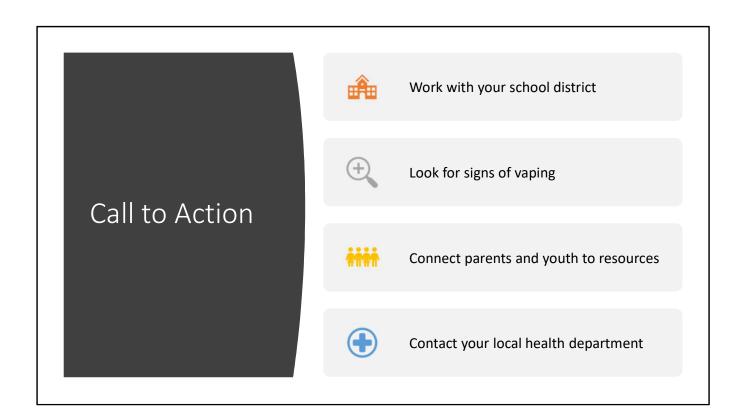
# VAPING UNREGULATED THC IS DANGEROUS TO YOUR HEALTH

A lung disease related to vaping unregulated THC has recently hospitalized dozens of Utahns and caused several deaths nationwide.

For more information, go to https://health.utah.gov/lung-disease-investigation

http://utahtobaccolaws.org/emergency-rule-r384-418/

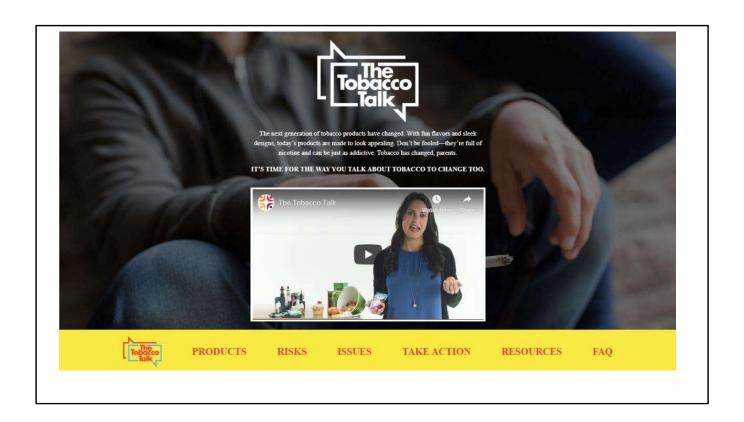




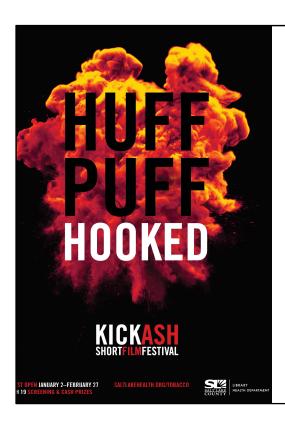








https://thetobaccotalk.org/



- Contest open: January 2 to February 27, 2020
- Screening and cash prizes awarded: March 19, 2020
- Contact: Julia Glade jglade@slco.org
- More information: <a href="https://slco.org/health/tobacco-prevention/">https://slco.org/health/tobacco-prevention/</a>

# LOCAL NEWS Wasatch School District Installs Vape Detectors At Wasatch High



HEBER, Utah — Wasatch High School officials took steps to prevent vaping on campus by installing vape detectors in bathrooms and locker rooms at the school.

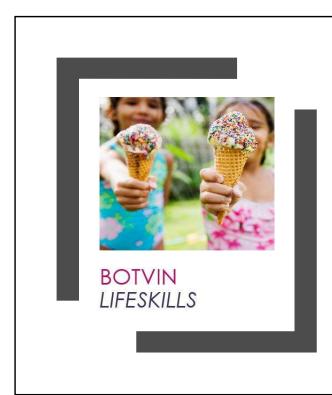
The vape detectors have been up since the beginning of the school year and the Wasatch School District was the first in Utah to install the detectors, according to district officials.

 $\frac{\text{https://ksltv.com/422244/wasatch-school-district-installs-vape-detectors-at-wasatch-high/?} \\$ 

https://amp.cnn.com/cnn/2019/09/12/health/vaping-detectors-school-trnd/index.html



Source: https://e-cigarettes.surgeongeneral.gov/



#### Botvins Lifeskills Training Program Overview BRIEF HISTORY:

2017 Legislative Session passed HB 442 (better known as the Zion Curtain bill). The legislation included a **requirement** for selection of a school-based, evidence-based youth alcohol education program to be included for students in jr. high and high school. The program selection **criteria** centered around meeting the core standards for Utah public schools and that the provider had **experience/training** in providing a program that was effective at reducing underage drinking, the dangers of DUI, **and** that it must include risk and protective factors for youth.

An Underage Drinking Prevention Program Advisory Council was established to oversee administration of the program and the \$1,750,000.00 yearly beginning July 1, 2018. The following members make up the Advisory Council: (note: Executive directors may appoint a designee.)

**Director of Alcoholic Beverage Control** 

Director of Board of Health

Division of Substance Abuse and Mental Health

Division of Child and Family Services

Division of Juvenile Justice Services

State Supt. Of Public Instruction

and 8. Two members of the State Board of Education

The Utah State Board of Education was charged with selecting a program that met the

above criteria. RFP's were sent to 1,100 providers nationwide. Only ONE program—**Botvin's Lifeskills Training (LST)**---met the criteria.

The Botvins Lifeskills Training Program has been rigorously studied and has passed <u>35</u> peer review studies regarding risk and protective factors, peer pressure, self-esteem, self-mastery, self-confidence, knowledge, coping and social anxiety. It scored high in consequences of substance abuse, reduction and prevention of a variety of high risk behaviors.

**Fidelity:** Teachers must teach the full scope of materials and sequence 1 time/week. Interactive teaching process.

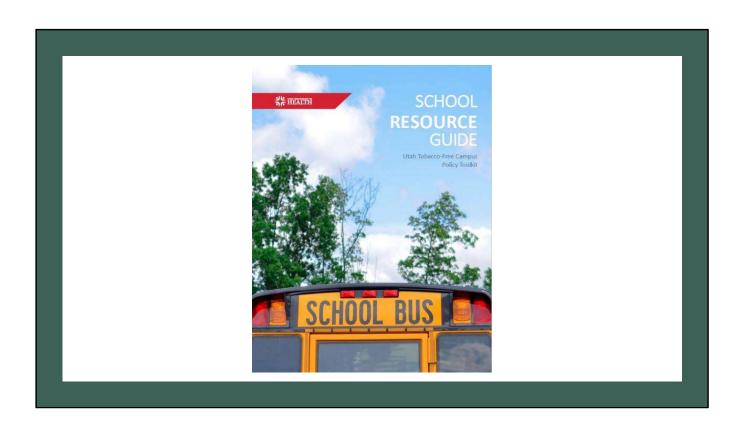
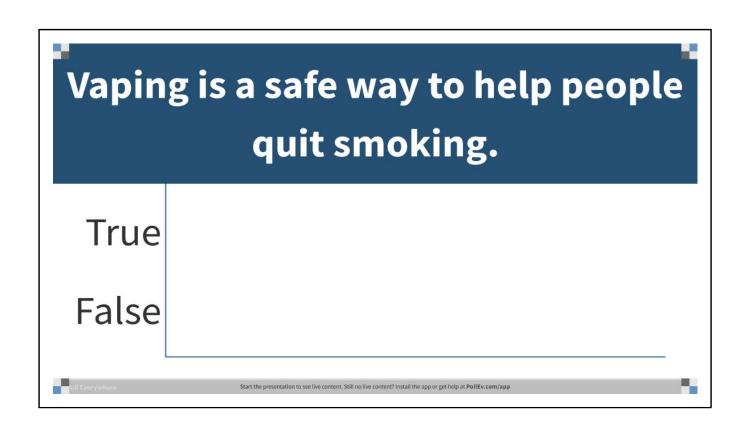
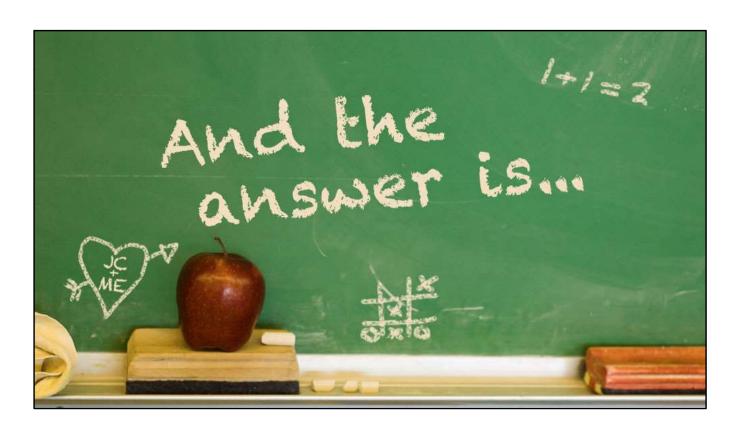




Image retrieved on 08/07/2018 from https://fm.cnbc.com/applications/cnbc.com/resources/img/editorial/2016/03/30/1035073 74-104044814.1910x1000.jpg



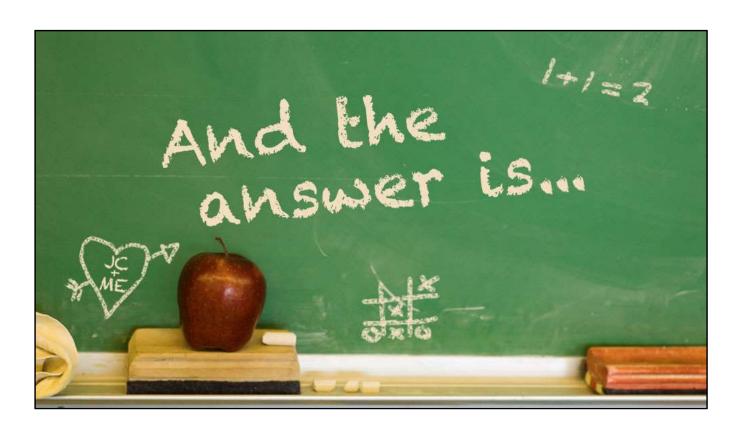
Poll Title: Vaping is a safe way to help people quit smoking. https://www.polleverywhere.com/multiple\_choice\_polls/ceU2NXv1y9XNzNQ



B. False. They are not safe.



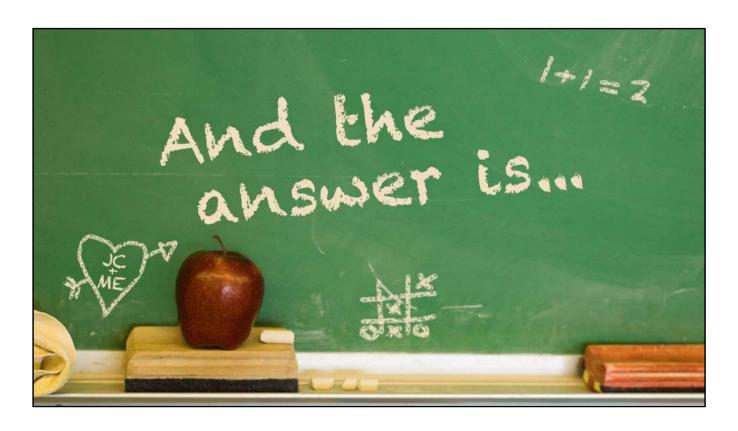
Poll Title: Electronic cigarettes are now regulated like regular cigarettes. https://www.polleverywhere.com/multiple\_choice\_polls/NkJwezregA5MKrC



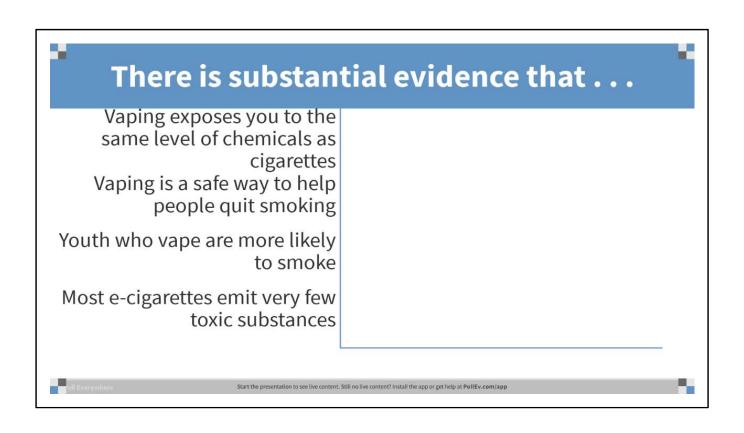
B. False. We wish they were.



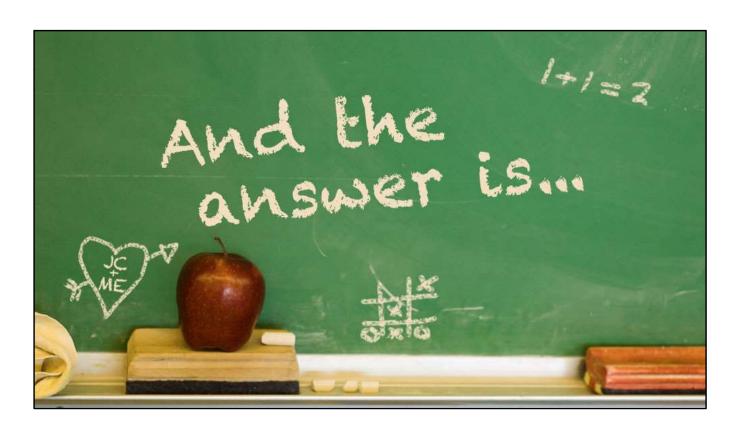
Poll Title: Utah banned vaping inside indoor public places in . . . https://www.polleverywhere.com/multiple\_choice\_polls/z06cVTqtNFl49TN



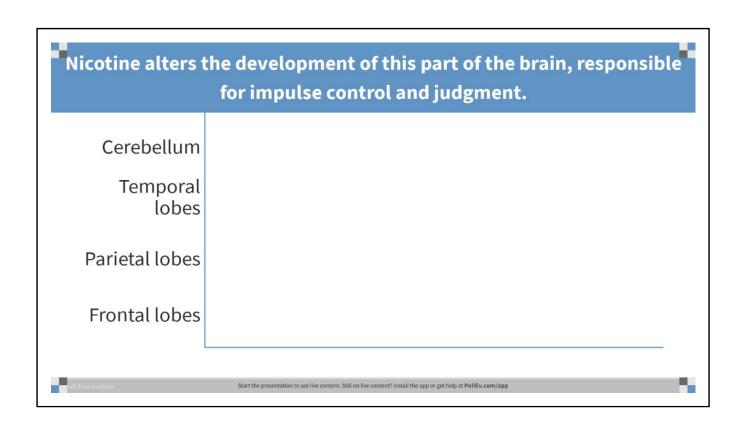
B. 2012



Poll Title: There is substantial evidence that . . . https://www.polleverywhere.com/multiple\_choice\_polls/VG0Fp4LjJ203jwB

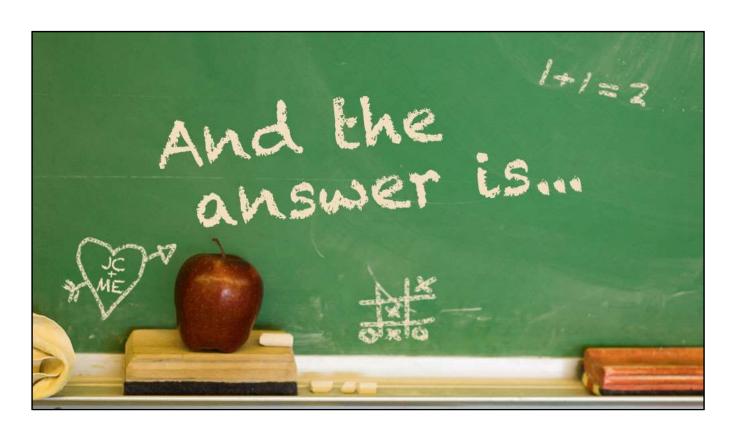


C. Perhaps the most alarming thing about youth vaping is that it increases their risk of smoking.

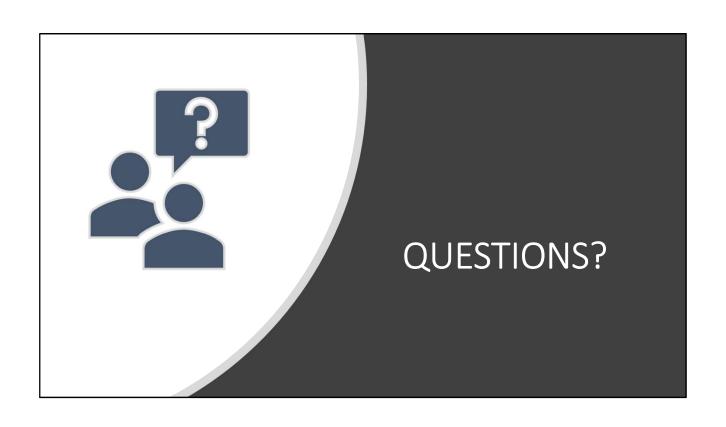


Poll Title: Nicotine alters the development of this part of the brain, responsible for impulse control and judgment.

https://www.polleverywhere.com/multiple\_choice\_polls/9q2Pen2WN4HWxIS



D. Prefrontal cortex is in the frontal lobe area





https://le.utah.gov/~2019/bills/static/HB0274.html

## H.B. 237 Personal Electronic Device Use in Public Schools

- requires a public school to develop a policy regarding the use of personal electronic devices on school premises;
- requires a public school to submit the device policy to the local education agency governing board at least every two years for review;
- requires each local education agency governing board to review and approve or suggest revisions to each school's device policy;
- requires a public school to provide the device policy to parents, students, and employees; and
- · provides requirements related to device policy training.



https://le.utah.gov/~2019/bills/static/HB0237.html



https://le.utah.gov/~2018/bills/static/HB0088.html



https://le.utah.gov/~2019/bills/static/HB0274.html

# THANK YOU!

## Representative Jennifer Dailey-provost

Utah House of Representatives
District 24
jdprovost@le.utah.gov

### Steve Hanson, MPH

Program Manager
Tobacco Prevention & Cessation Program
Salt Lake County Health Department
RSHanson@slco.org

