

Vaping 101

WILLIAMSON COUNTY JUVENILE COURT

ANNA URBAN & NAOMI WOMAC



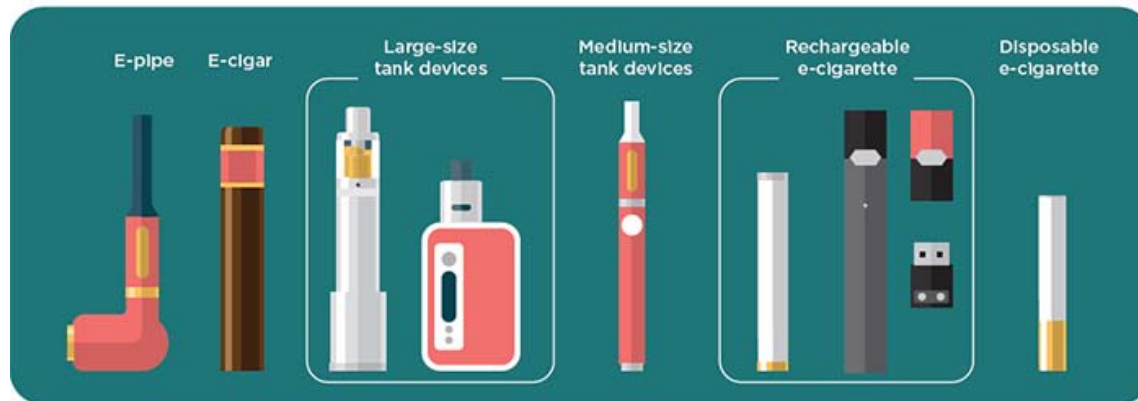
Why are we providing this class?

- Legal Aspects
- Epidemic
- Parent Remarks
- Student Remarks



Type of Nicotine Delivery Systems

- Cigarettes, Cigars, Chewing Tobacco
- Electronic Nicotine Delivery Systems (ENDS)
 - Vaporizers, Vape Pens, Hookah Pens, E-Pipes, and E-Cigarettes



What do “vapes” look like?



E.N.D.S

- Originally promoted as a smoking cessation tool
- Device contains e-liquid heated by a battery to create an aerosol to be inhaled
- Drugs can be added to the e-liquid
- Many brands, but JUUL is the most common



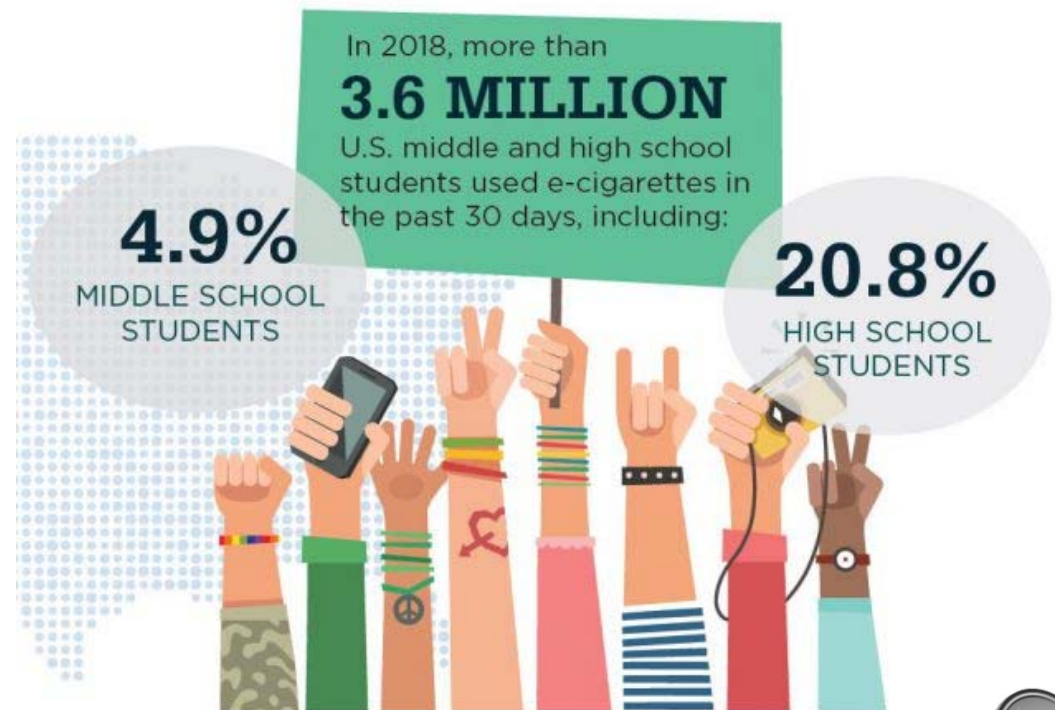
Disposable Pod Devices

- Law limiting flavors does not apply to these devices
- Rising in popularity
- Can easily be bought online
- Ice Bar, Puff Bar, Stig, Vice



E.N.D.S. Popularity

- Most common citation in our court
- Discreet
- Low odor
- Easily hidden
- Techy



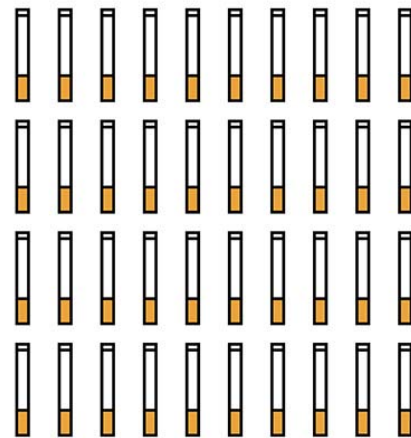
What is vaping NOT?

- Harmless water vapor
 - DOES contain: Nicotine; Ultrafine particles that can be inhaled deep into the lungs; Flavorings such as diacetyl, a chemical linked to a serious lung disease (Popcorn Lung); Volatile organic compounds; Cancer-causing chemicals; Heavy metals such as nickel, tin, and lead
- Safer than smoking cigarettes



Dangers

- One JUUL pod contains as much nicotine as one pack of cigarettes



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1-2
packs of
cigarettes, or

20-40
cigarettes
are equal to

1
juul pod

Source Vox.com

- Little documented evidence so far - due to newness of devices



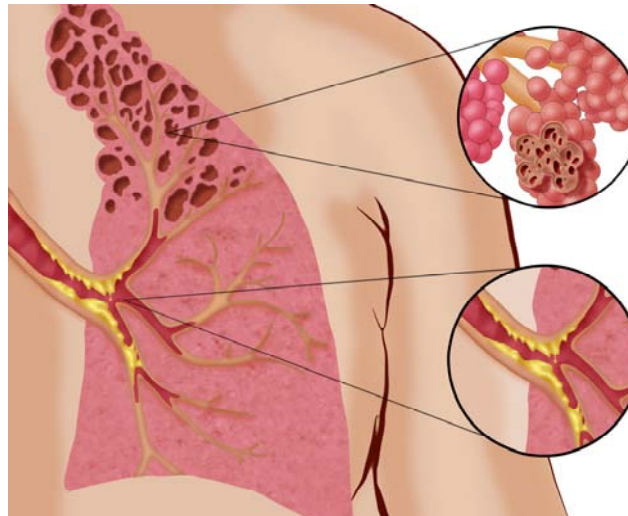
Dangers

- As of February 18, **2807** lung-injury cases associated with vaping according to the CDC
- Sixty-eight deaths in 29 states and DC
- 80% of patients are under 35 years old
- These numbers were updated weekly



Dangers

- Chemicals for flavoring are safe to be eaten but not inhaled
- Popcorn Lung



EVALI – As of November 19, 2019

- E-cigarette or Vaping Associated Lung Injury
- Linked to Vitamin E Acetate
- Biopsies from injured lungs of 29 patients in 10 states
 - ALL contained Vitamine E Acetate
 - THC 82% Nicotine 62% of samples



Dangers

- Nicotine is unsafe for developing brains and bodies
- Not all labels are honest about nicotine content
- Can harm the parts of the brain that control attention, learning, mood, and impulse control



Questions/Information

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More information

<https://www.youtube.com/watch?v=zYuyS1Oq8gY>

<https://www.youtube.com/watch?v=6JCAyb3IDTo>

<https://www.youtube.com/watch?v=wGJpGSCBzZ8>