Agenda Item No: 25.G



## STAFF REPORT

**Report To:** Board of Supervisors **Meeting Date:** February 20, 2020

**Staff Contact:** Nicki Aaker, naaker@carson.org; Toni Orr, torr@carson.org

Agenda Title: For Discussion Only: Discussion and presentation on the epidemic of vaping and

e-cigarette use among young adults, specifically as it relates to Carson City's youth. (Nicki

Aaker, naaker@carson.org and Toni Orr, torr@carson.org)

Staff Summary: In 2018, the United States Surgeon General declared a national epidemic of vaping and e-cigarette use among young adults. Toni Orr, Carson City Health and Human Services' Public Health Nurse, gives presentations to Carson High School students during their health classes on the impact of this epidemic on Carson City youth. Her presentation discusses the variety of products used by young adults in our community. She has also conducted presentations for school nurses and health teachers at local

conferences.

Agenda Action: Other / Presentation Time Requested: 20 minutes

### Proposed Motion

N/A

#### **Board's Strategic Goal**

Quality of Life

### **Previous Action**

N/A

#### Background/Issues & Analysis

It is important to teach youth and anyone having influence over youth about the dangers of vaping in order to stop this epidemic. This activity meets an objective of the Funds for Healthy Nevada grant.

### Applicable Statute, Code, Policy, Rule or Regulation

N/A

#### **Financial Information**

Is there a fiscal impact? No

If yes, account name/number:

Is it currently budgeted? Yes

**Explanation of Fiscal Impact:** 

Attachments: Vaping and Youth PowerPoint.pdf		
Board Action Taken:  Motion:	1) 2)	Aye/Nay
	, <del></del>	
(Vote Recorded By)		

Alternatives N/A

# Vaping and Youth

# Tobacco Prevention

Chronic Disease Prevention and Health
Promotion



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# **New Generation of Nicotine Addicts**

 Epidemic E-cigarette use among U.S. youth and young adults is now a major public health concern. (Surgeon General, 2018)

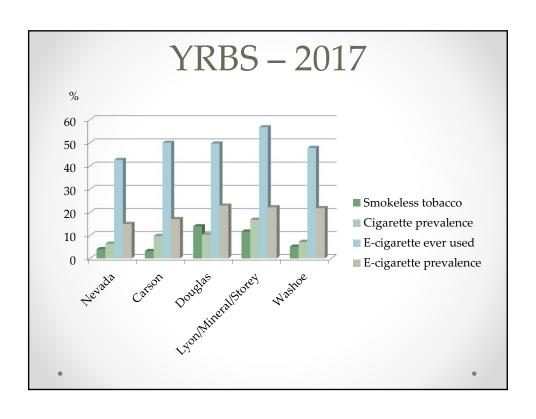


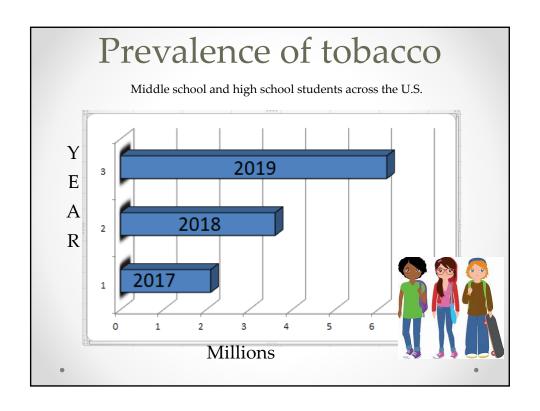
# How we get the numbers:

- YRBS?
- What are we looking for?



- When is it done?
- Why do we need it?









# Comparison

## Cigarettes

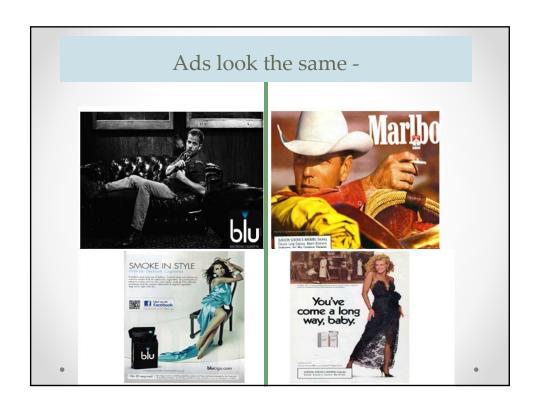
- Package 20 cigarettes/ approximately 10 puffs per cigarette.
- Cigarette keeps burning
- Pack of cigarettes 8-20 mg

### E-cigarettes

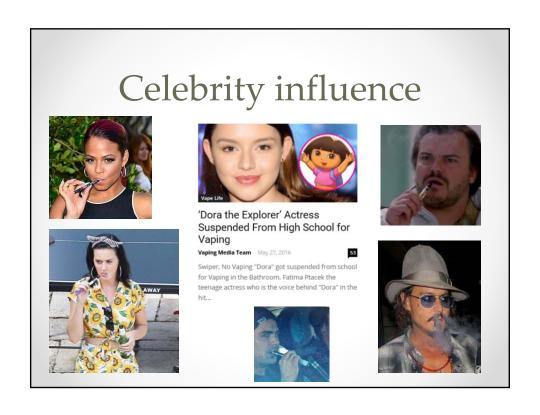
- One pod 200 puffs. 1.5 -2 packs of cigarettes
- Devices only use product when actually using the device
- 59 mg Juul pod/smoke pod 50 mg

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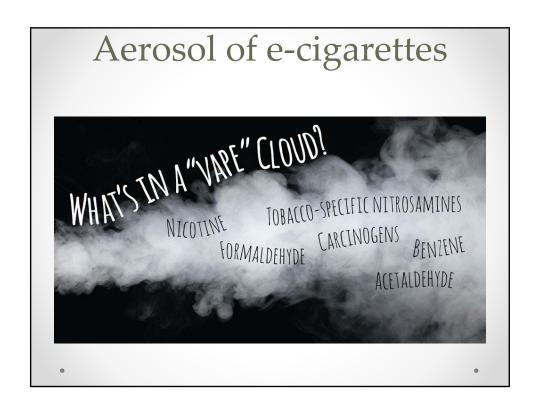


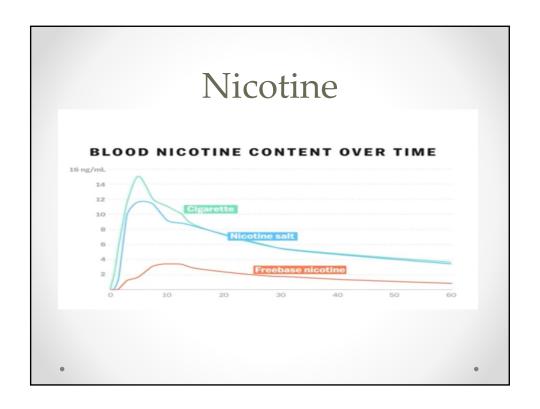


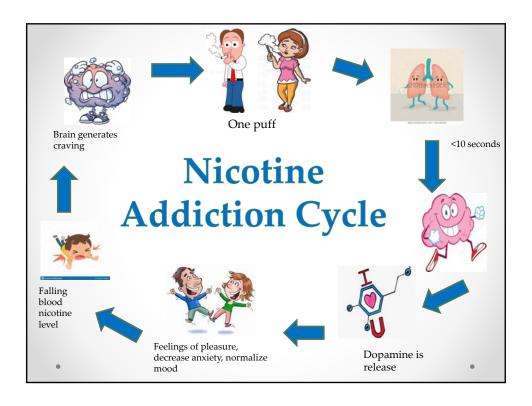






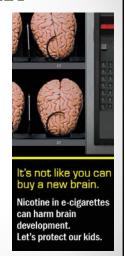






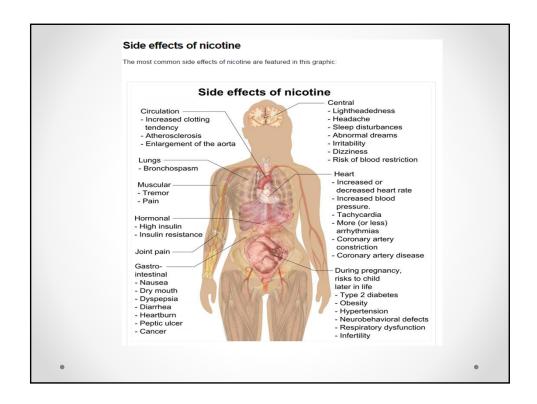
# Health and Harm

- Fine and ultra fine particles
- Nicotine is a poisonous substance
- Nicotine
  - o Even in small amounts
  - o Primes the brain

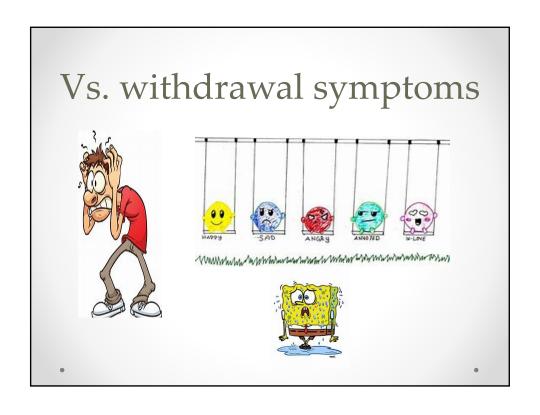


# Health and Harm

- Drinking nicotine in E-juice is harmful and possibly fatal for babies and toddlers.
- The process of heating the nicotine and flavors
  - o Hydes...which are known carcinogens
  - o Custom mixing other drugs, antifreeze, essential oils









# That's going to leave a mark! -Public Health concerns





Dan Walker, 20







"I could have lost my private parts or even worse"

# Nevada Quitline

- Texting, phone, online
- Fast confidential
- Just for teens
- Nevada residents 11 and older



- Fast and confidential
- One on one coaching
- Free to Nevada residents 13 and older



Policy and this program

- T 21
- · Clean indoor air act
- Minimum distance
- Multiunit housing
- Smoke free workplaces
- Smoke free events
- SB263-tax/no vaping where smoking is prohibited



#### Acknowledgments and Resources

Many of the slides in this presentation were developed from content contained in fact sheets, websites, and other materials developed by the American Legacy Foundation, American Academy of Pediatrics, Campaign for Tobacco Free Kids, Americans for Non Smoker's Rights, Centers for Disease Control and Prevention and Public Health Law Policy Center.

#### **Resources:**

- American Cancer Society, Prevention and Early Detection. "Guide to Quitting Smoking," Revised May 2009.
- Americans for Nonsmokers' Rights, Electronic (e-) Cigarettes and Secondhand Aerosol, 2014.
- American Legacy Foundation. "Tobacco Fact Sheet: Electronic Cigarettes," Revised June 2013.

  American Society for Heating, Refrigeration, and Air Conditioning Engineering (ASHRAE Journal), June 2014
- Campaign for Tobacco Free Kids. "New Study Finds Dramatic Rise in Youth Exposure to E-cigarette Ads on TV," June 2, 2014.
- Centers for Disease Control and Prevention. Morbidity and Mortality Weekly Report. "Electronic Cigarette Use Among Middle and High School Students United States, 2011-2012," Volume 62, Number 35, September 6, 2013.
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- Centers for Disease Control and Prevention. Morbidity and Mortality Weekly Report. "Notes from the Field. Calls to Poison Centers for Exposures to Electronic Cigarettes United States, September 2010—February 2014.", Nulmber 13, April 4, 2014. Consumer Reports, "E-cigarettes: Still many questions," March 2014

  Senator Richard J. Durbin (D-IL), Rep.Henry Waxman, Senators Rockefeller IV, Blumenthal, Markey, Brown, Reed, Boxer, Merkley, and Rep. Pallane Jr.(Report written by staff), "Gateway to Addiction- A Survey of Popular Electronic Cigarette Manufacturers and Targeted Marketing to Youth", April 14, 2014

  London, William M. (2000, July 1) How addictive is cigarette smoking?
- Public Health Law and Policy, Technical Assistance Legal Center. "Electronic Cigarettes: How They Are- and Could Be- Regulated," July 2011.
- Youth Risk Behavior Survey 2015

#### E-cigarette References as of 12/18/19

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- American Cancer Society, Prevention and Early Detection. "Guide to Quitting Smoking," Revised May 2009
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   Campaign for Tobacco Free Kids. "FDA and the States Must Regulate E-Cigarettes to Protect Public Health: Our Policy Regarding E-Cigarettes," July 2013.
   Campaign for Tobacco Free Kids. "New Study Finds Dramatic Rise in Youth Exposure to E-cigarette Ads on TV," June 2, 2014.
   Centers for Disease Control and Prevention. Morbidity and Mortality Weekly Report. "Electronic Cigarette Use

- Centers for Disease Control and Prevention. Morbidity and Mortality Weekly Report. "Electronic Cigarette Use Among Middle and High School Students United States, 2011–2012," Volume 62, Number 35, September 6, 2013.
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   Cobb, NK, and D.B. Abrams, E-cigarette or drug-delivery device?
   Consumer Reports, "E-cigarettes: Still many questions," March 2014
   Food and Drug Administration, FDA and public health experts warn about electronic cigarettes. 2009.
   Grana, R., N. Benowitz, and S. Glantz, Background Paper on Ecigarettes. Center for Tobacco Control Research and Education, University of California, San Francisco and WHO Collaborating Center on Tobacco Control, 2013.
   Nevada Poison Center, A. Bronstein, February 4, 2015.
- 2013.
  Nevada Poison Center, A. Bronstein, February 4, 2015.
  Senator Richard J. Durbin (D-IL), Rep.Henry Waxman, Senators Rockefeller IV, Blumenthal. Markey, Brown, Reed, Boxer, Merkley, and Rep. Pallane Jr. (Report written by staff), "Cateway to Addiction- A Survey of Popular Electronic Cigarette Manufacturers and Targeted Marketing to Youth", April 14, 2014
  Sussan TE, Gajghate S, Thinmulappa RK, Ma J, Kim J-H, et al. (2015) Exposure to Electronic Cigarettes Impairs Pulmonary Anti-Bacterial and Anti-Viral Defenses in a Mouse Model. PLoS ONE 10(2): e0116861. doi:10.1371/journal.pone.0116861
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  Surveon Centerals Report on F-Gigarettes 2016.

- Surgeon Generals Report on E-Cigarettes, 2016