

E-CIGARETTE TRENDS, CONCERNS, RECOMMENDATIONS

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WHAT ARE E-CIGARETTES?

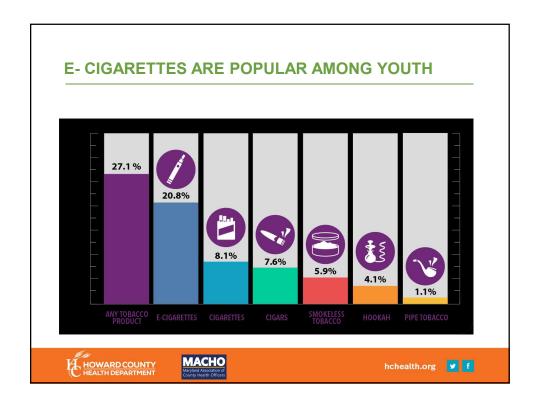
E-cigarettes are sometimes called "e-cigs," "vapes," "e-hookahs," "vape pens," and "electronic nicotine delivery systems (ENDS)." Some e-cigarettes look like regular cigarettes, cigars, or pipes. Some look like USB flash drives, pens, and other everyday items.

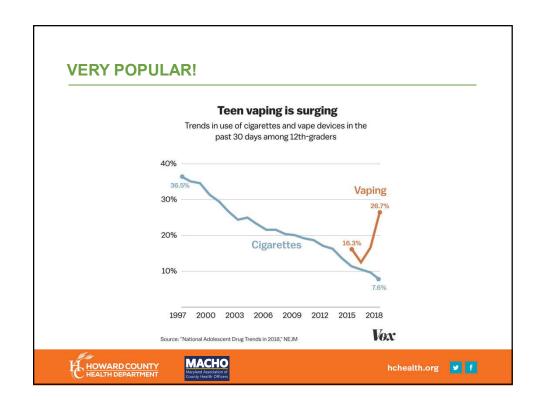


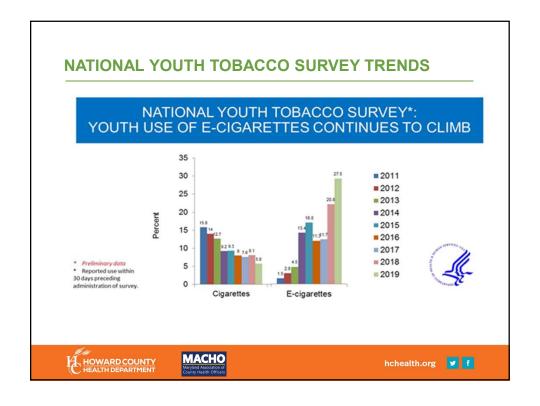


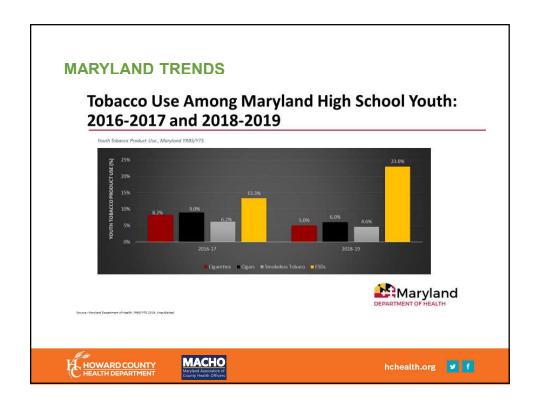












JAMA NOVEMBER 5, 2019 E-CIGARETTE USE AMONG YOUTH IN THE UNITED **STATES, 2019**

Karen A. Cullen, PhD1; Andrea S. Gentzke, PhD2; Michael D. Sawdey, PhD1; et al

- 27.5 % use among High School students
- 10.5 % use among middle school students

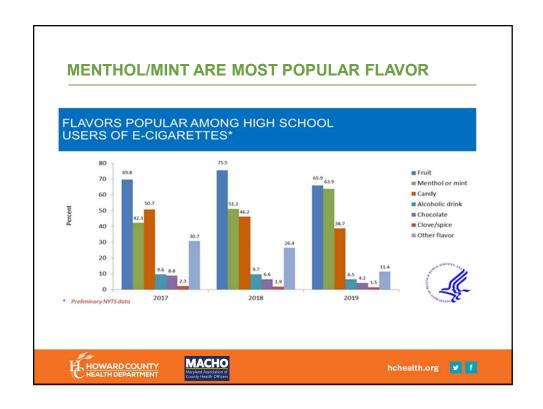
2019 Youth Tobacco Survey

- Over 5 million youth are currently using e cigarettes
- Nearly 1 million used the product daily
- About 1.6 million use 20 or days per month
- Majority report using JUUL as their usual brand (60%)
- Flavorings are popular (mint, mango, fruit)









PEDIATRICS OCTOBER 28 2019: E- CIGARETTE **FLAVORING AND TEEN USE**

- A study by Leventhal published Oct. 28 in the journal Pediatrics found that teens who use flavored ecigarettes are more likely to become regular users and vape more heavily.
- A study by Chen-Sankey published October 28 in the journal Pediatrics found teens exposure to e-cig marketing stimulates e-cigarette use.





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E-CIGARETTES USE - WHAT ARE THE CONCERNS?

Risks

- Unsafe for kids, teens, and young adults
- Highly addictive
- Exposure user to harmful chemicals that cause cancer
- Contain addictive nicotine that harms brain development
- Lead to other nicotine/tobacco use
- Can contain ingredients that cause severe lung disease and death

Benefits

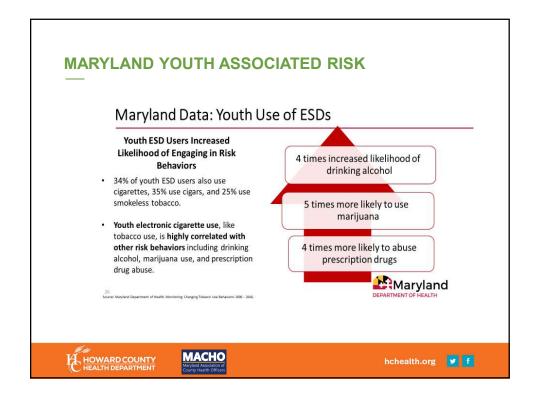
• The potential to benefit adult smokers who are not pregnant if used as a complete substitute for regular cigarettes and other smoked tobacco products

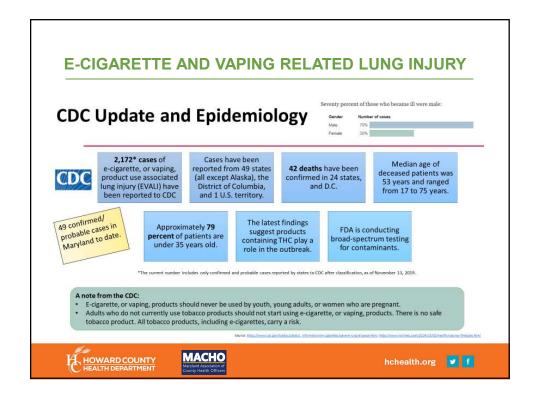
Source: CDC











CM2/APING ILLNESSES AS OF NOV. 20, THERE HAVE BEEN 2,290 VAPING **ILLNESSES AND 47 DEATHS**

51 confirmed or probable cases in Maryland





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FINDING THE CAUSE Investigators Find Clue to Mysterious Vaping Injuries Vitamin E oil was detected in all 29 samples taken from vaping patients tested by the CDC • Vitamin E oil (acetate) found in fluid in lungs of all 29 patients from ten states (including Maryland) • "Potential toxin of concern", not enough to be labeled a · Could still be more than one culprit. • THC found in 23 samples (82%); nicotine in 16 (63%) THE WALL STREET JOURNAL. November 8, 2019

Slide 13

CM1 Maura -- 51 cases as of November 19, 2019 in Maryland Cliff Mitchell, 11/26/2019

Also, CDC uses the November 20, 2019 reporting date in its Vaping Page. Cliff Mitchell, 11/26/2019 CM2

RECOMMENDATIONS

RESTRICT ACCESS

- ✓ Increase legal age to purchase tobacco products including e-cigarettes. (New Maryland Tobacco 21 Law)
- Limit locations/distance where e-cigarettes may be sold. (Montgomery County)
- Ban the sale of flavored products. (Massachusetts, New York, Michigan)
- Require age verification for DtC sales and delivery.





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RECOMMENDATIONS

ADDRESS MARKETING

- Restrict marketing of products to youth and public.
- Use tested public health counter marketing and educational campaigns.

DISCOURAGE USE

- ✓ Require childproof packaging (Federal Law)
- Require health warning messages on packaging.
- Tax E-cigarette products. (19 States and DC)





