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### What is Vaping? It's Not Water Vapor

Vaping is inhaling and exhaling the aerosol (often called vapor) produced by an ecigarette or similar battery-powered device.

-Sometimes referred to by brand names such as JUUL (Juuling), BO, Blue, and others



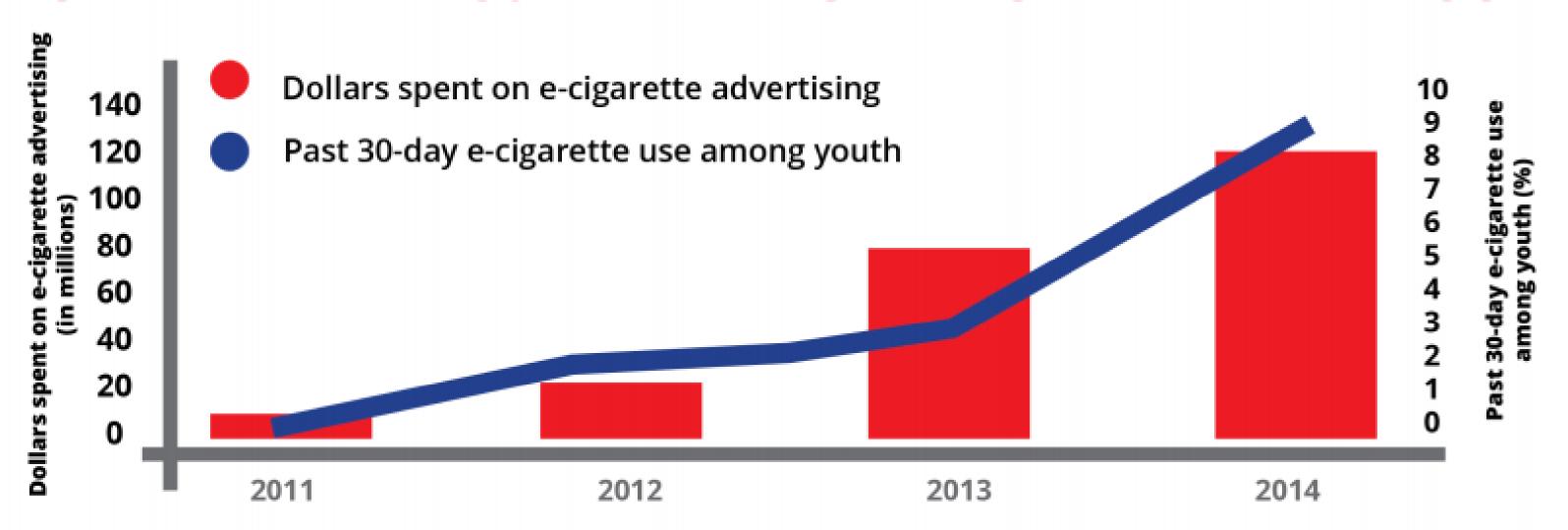
### The Industry



FlavorsHookKids.org



#### E-cigarette use among youth is rising as e-cigarette advertising grows



### Survey!

Green apple caramel suckers

**Peanut butter jelly** 

**Popcorn** 





E-Juices and E-Liquids



Kid-Friendly Packaging





- Nicotine
- Vegetable Glycerin
- Propylene Glycol
- Ultrafine Particles
- Flavoring such as diacetyl
- Heavy metals such as nickel, tin, and lead
- Cancer-causing chemicals



Diacetyl, an ingredient in e-juices, causes bronchiolitis obliterans - more commonly referred to as "popcorn lung" - a scarring of the tiny air sacs in the lungs resulting in the thickening and narrowing of the airways.

#### Nicotine and the Developing Brain

\*Brain development continues through the mid-20s

- Nicotine can prime the developing brain for addiction to other substances
- People who start smoking or using tobacco products in adolescence, smoke more and have a harder time quitting than people who start as adults
- Secondhand vape is also unsafe





#### Other Health Risks

The process of heating the nicotine solution produces aldehyde, acetaldehyde, formaldehyde, and acrolein, which are known carcinogens.

It's difficult to know what e-cigarette products contain. For example, some products have been marketed as having zero nicotine, but have been found to actually contain nicotine.

Nicotine is dangerous for pregnant women and their developing babies.

Defective e-cigarette batteries have caused fires and explosions, some of which have resulted in serious injuries.

Children and adults have been poisoned by swallowing, breathing, and absorbing ecigarette liquid

## Questions?



### References

Central District Health Department

**Tobacco-Free Community Partnership**