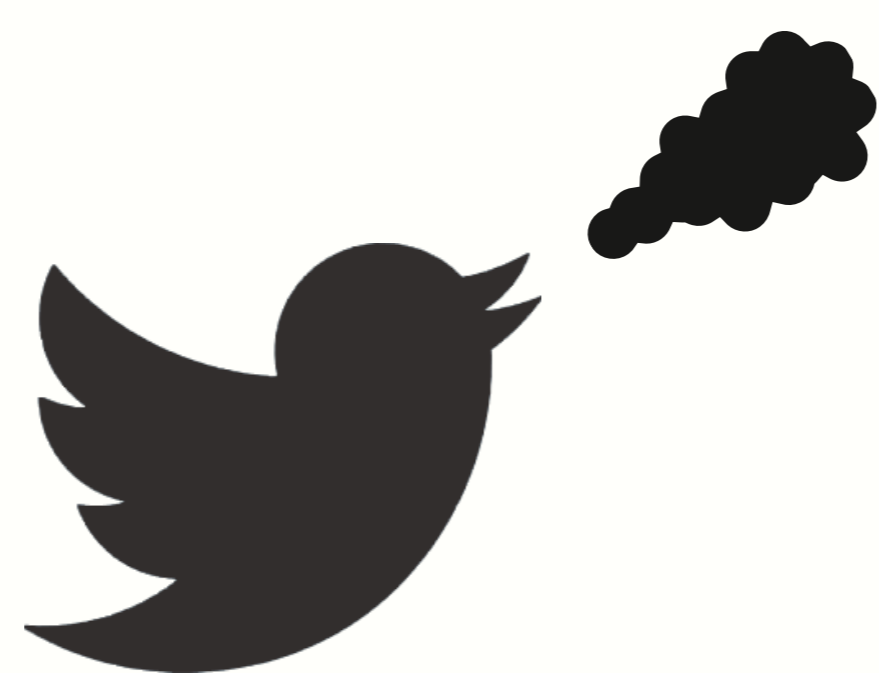


WHAT'S IN THAT vape?



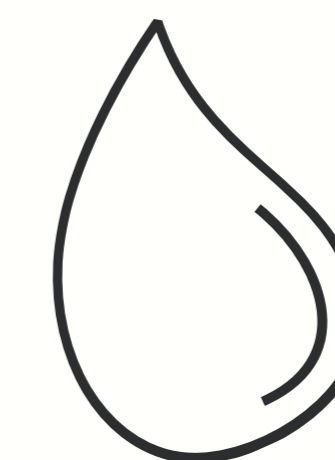
DID YOU KNOW? E-JUICE INGREDIENTS

Ranked 5th In an analysis of states with vape-related tweets, Hawai'i places in the top 5.



PROPYLENE GLYCOL & VEGETABLE GLYCERIN

Propylene glycol and vegetable glycerin are commonly found in antifreeze.



In the human body they irritate the epithelium, a thin layer of cells that lines blood vessels and helps regular blood flow, blood clotting, and immune responses.

\$1,000 PER YEAR

Annual spending by teens on vape pens and pods.

HAWAII COUNTY HAS

64

VAPE SHOPS PER 100,000 PEOPLE.

The State of Hawai'i has about six vape shops per 100,000 people.

NICOTINE

Nicotine is a highly addictive drug that's hard to quit, and is the reason why users continue vaping even after they start getting sick.



There is so much nicotine in vape pods that **1** pod equals **40** cigarettes!

FLAVORING CHEMICALS



97% of youth start vaping because of the attractiveness of flavors



Diacetyl has been found in many e-liquids with sweet flavors. It is known to cause

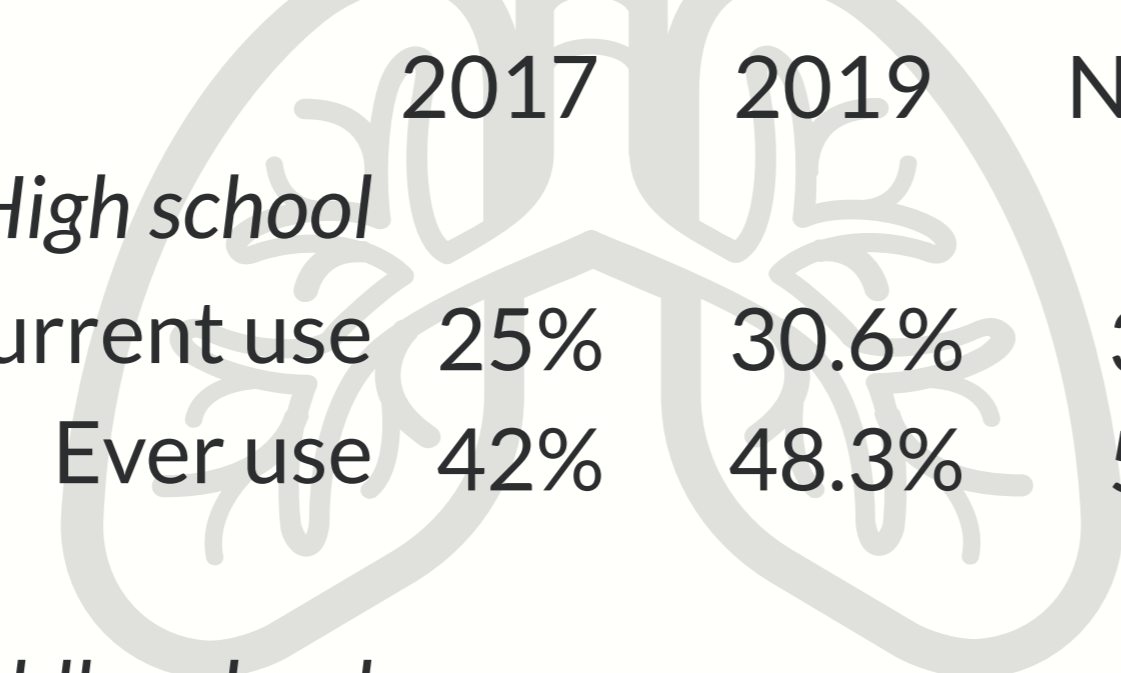
popcorn lung.

This disease causes the small airways in the lungs to become scarred and constricted, impairing breathing.



Individual flavoring ingredients such as **cinnamaldehyde, citral, ethylvanillin, and vanillin** have the potential to combine to create more complex substances which are not disclosed to the user. The long-term effects of inhaling these substances are **unknown**

Youth Risk Behavior Surveillance System (YRBS)



	2017	2019	National
<i>High school</i>			
Current use	25%	30.6%	32.7%
Ever use	42%	48.3%	50.1%
<i>Middle school</i>			
Current use	15%	17.7%	
Ever use	27%	30.6%	

SOURCES

Stanford Tobacco Prevention Toolkit
 Nicotine-Free E-Cigarettes Can Damage Blood Vessels, University of Pennsylvania School of Medicine
 VaporFi
 MarketWatch
 Honolulu Civil Beat
 Youth Risk Surveillance System
 Quartz
 Formation of flavorant-propylene Glycol Adducts With Novel Toxicological Properties in Chemically Unstable E-Cigarette Liquids

CREATED BY

Tobacco-Free Hawai'i Island

