

Vaping: The New Trend



West Hartford Police Department
Community Relations Division



Tobacco

- Smoking is the leading preventable cause of disease and death in the U.S.
- Responsible for about 1 in every 5 deaths.
- It puts smokers and those exposed to secondhand smoke at risk for serious health problems, including heart attack, stroke, lung cancer and many other cancers.

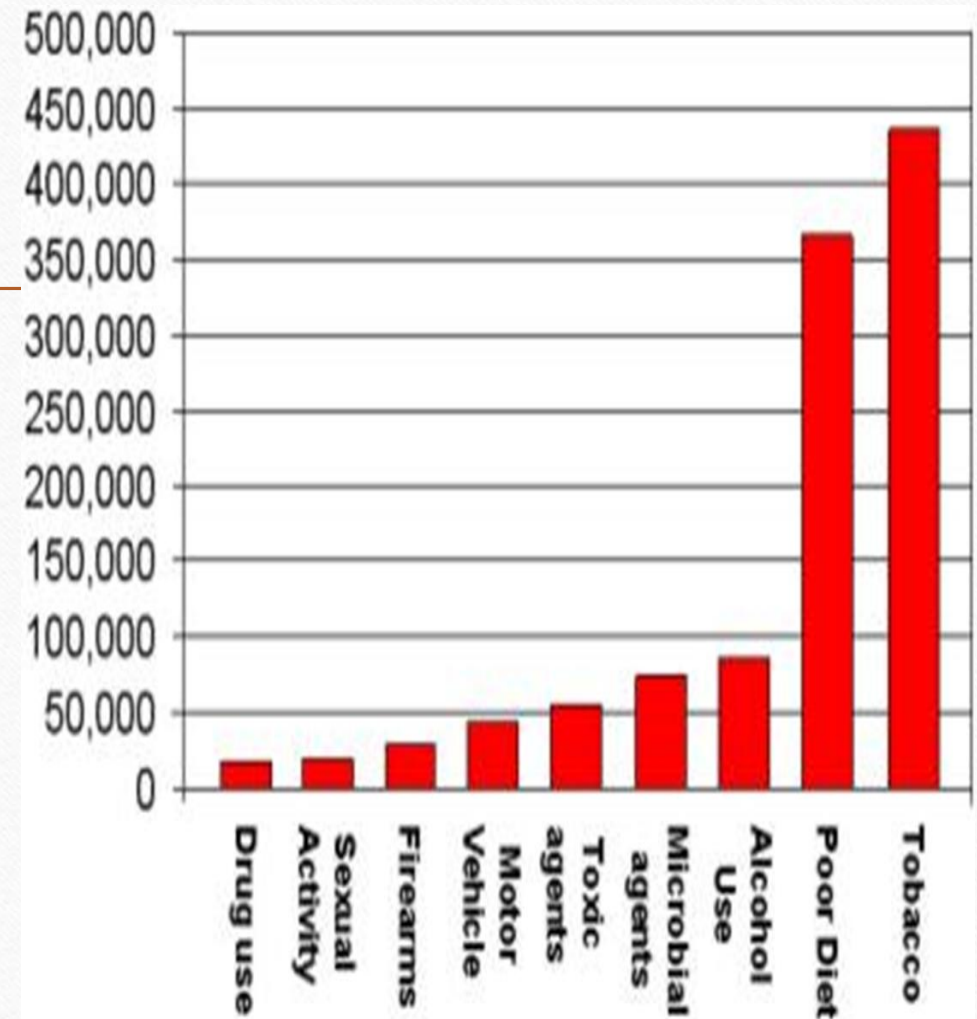
SMOKING
causes more deaths each year
than all of these combined:

Human immunodeficiency virus (HIV)
Illegal drug use
Alcohol use
Motor vehicle injuries
Microbial agents
Toxic agents

480,000 deaths



caused by cigarette
smoking each year



Estimated percentage of high school students who used tobacco products in the past 30 days

West Hartford

National Youth Tobacco Survey

*Survey distributed in Phys. Ed period during last week of February, 2017

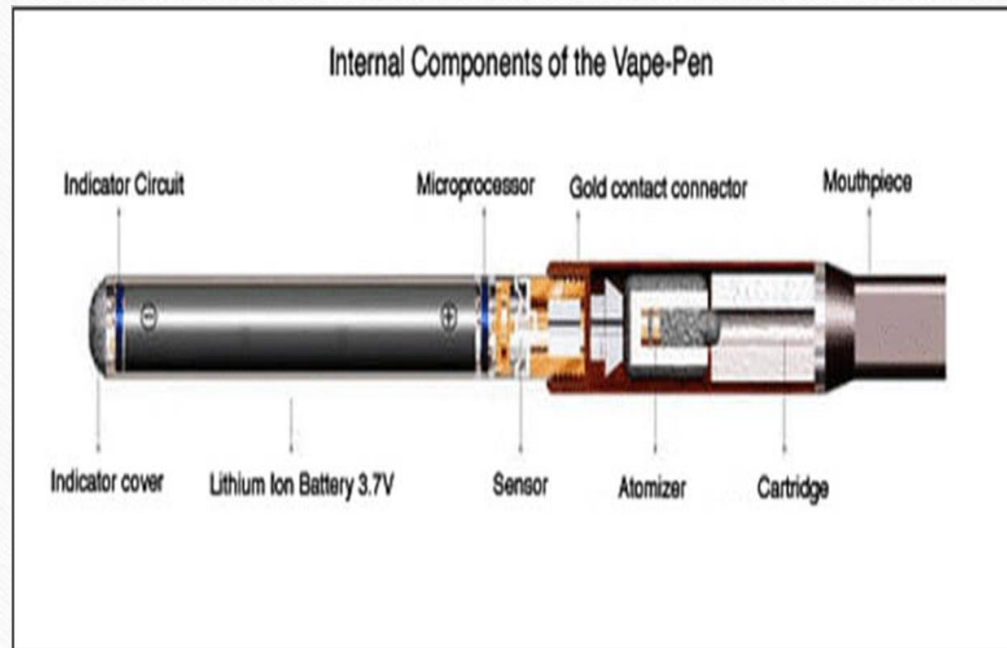
United States, 2016

	2011	2013	2017
Marijuana	18.1%	17.7%	19.9%
Tobacco	12.3%	9.4%	5.2%
Electronic tobacco (vaping)	--	--	14.2%

	Females	Males	Total
Tobacco	6.9%	9.1%	8.0%
Electronic tobacco (vaping)	9.5%	13.1%	11.3%

What is VAPING?

The act of inhaling vapor produced by any kind of e-cigarette or personal vaporizer. Users load a liquid solution containing their drug of choice into the device. When they draw on the device, the battery heats the liquid, which is then atomized into an inhalable vapor.



Electronic cigarette

An electronic cigarette, developed by a Chinese company, gives the user nicotine but no fire, no tar, no carbon monoxide, no ash and no stub.

Light Simulates cigarette glow, indicates when device is ready for use and works as battery indicator

Electronic components Such as control circuits, pneumatic airflow sensor

Vaporizer Atomizes the nicotine smoking liquid in the liquid container

Nicotine liquid container



Electronic cigarette	Comparison	Regular cigarette
One e-cigarette	Equivalent	6-7 cigarettes
100	Puffs per cigarette	15
6-24 mg.	Nicotine level	0.6-2.4 mg.
E-cigarette with 24 mg of nicotine: 0.16 mg/puff	Nicotine per puff	Cigarette with 1.8 mg of nicotine: 0.16 mg/puff

Source: E-Cig Graphic: Eeli Polli, Elsebeth Nielsen

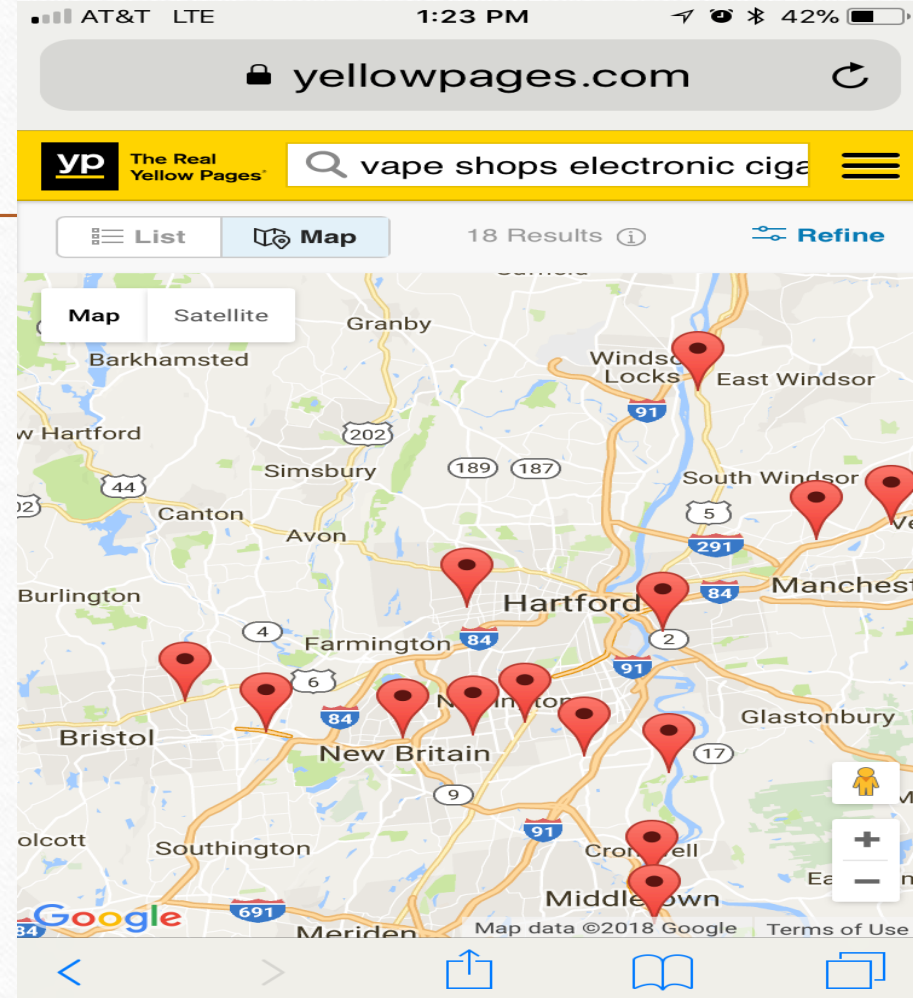
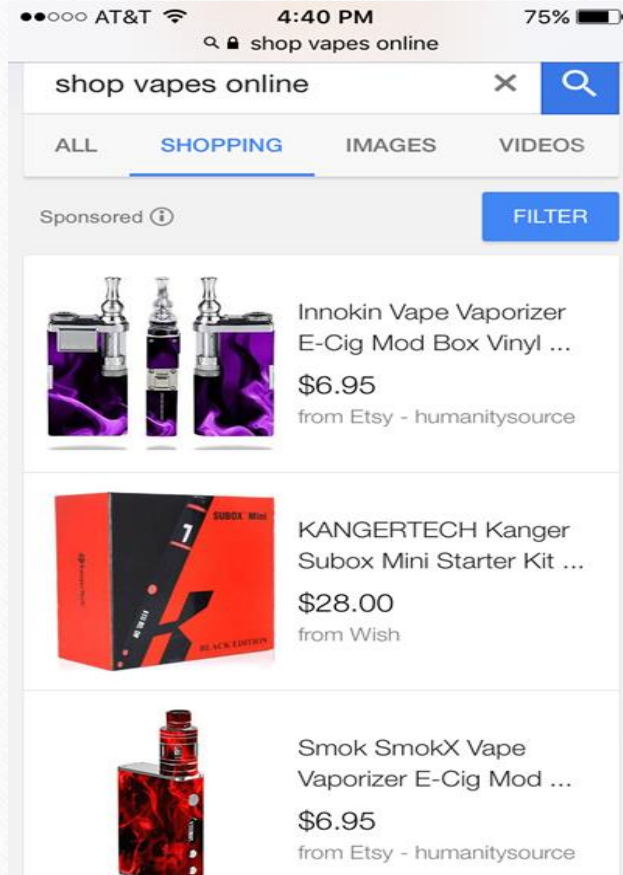
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What is it? How does it work?

- Electronic cigarette: smokeless, battery operated device used to deliver nicotine with flavorings or other chemicals to the lungs.
- Vaporizer pen “vape pen”: hand-held device used to generate an inhalable vapor from a solid, semi-solid, or liquid substance. This is specifically designed to vaporize THC.
- Both use the same technology, leave no detectable odor, and are similar in appearance.
- E-cigarettes have been around since the 1960s, but has started to take off in the last decade with more than 250 brands and flavors
- Estimated 4 million Americans use them, according to the Tobacco Vapor Electronic Cigarette Association.



How do teens get Vapes and how much do they cost?





Tobacco Laws



- **53-344(b)** Illegal sale, giving or delivery of tobacco involving minors (\$200-500)
- **53-344(c)** Purchase or misrepresentation of age to purchase tobacco by minor (\$50-100 fine)
- **53-344(c)**** Possession of tobacco by a minor in a public place (\$50-100)
- **53-344b(c)** Purchase of, or misrepresentation of age to purchase, electronic nicotine delivery system (vape) or vapor product by a minor (\$50-100)
- **53-344b(c)**** Possession of an electronic nicotine delivery system or vapor product in a public place by a minor (\$50-100)

Recent Health Studies

- <https://www.technologynetworks.com/applied-sciences/news/lead-and-other-toxic-metals-found-in-e-cigarette-vapors-297818>
- <https://www.nbcnews.com/health/health-news/teen-inhale-cancer-causing-chemicals-e-cigarettes-n853611>
- <http://tetribe.net/e-cigarettes-found-to-have-10-times-more-cancer-causing-ingredients-than-regular-cigarettes/>