

# Device and Substance Visual Dictionary

Severe Pulmonary Disease with E-cigarette Use

# E-cigarettes

E-cigarettes typically contain nicotine, most also contain flavorings and other chemicals, and some may contain marijuana or other substances.

They are known by many different names and come in many shapes, sizes and device types. Devices may be referred to as “e-cigs,” “vapes,” “e-hookahs,” “vape pens,” “mods,” tanks, or electronic nicotine delivery systems (ENDS).

Some e-cigarette devices resemble other tobacco products such as cigarettes; some resemble ordinary household items such as USB flash drives, pens, and flashlights; and others have unique shapes. Use of e-cigarettes is sometimes referred to as “vaping” or “juuling.” E-cigarettes used for dabbing are sometimes called “dab” pens.



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# The Evolution of E-cigarette Devices

1<sup>st</sup> Generation



Disposable e-cigarettes

2<sup>nd</sup> Generation



E-cigarettes with  
prefilled pods

3<sup>rd</sup> Generation



Tanks or Mods  
(refillable)

4<sup>th</sup> Generation



Pod MODS  
(nicotine salts)

# Disposable e-cigarettes (First Generation)



A type of e-cigarette designed to be used one time, only. These devices are not rechargeable or refillable. They are thrown away once it runs out of charge or e-liquid. Often referred to as "cigalikes".



**ePuffer XPOD**



**ePuffer Eco Premium**



**Blu**

**NKD 100 Salt**



**Vapor4Life**



**Mojo**

## E-cigarettes with prefilled pods (Second Generation)



A type of rechargeable e-cigarette designed to be used multiple times. Substances vaped come in pre-filled cartridges. Users generally replace the cartridge when it is empty.



**Mini-X9**



**MigVapor SR-72**



### Prefilled THC cartridges (carts/karts)

Cartridge and battery pen are purchased separately.

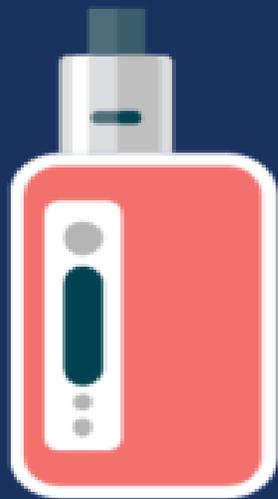
THC liquid is recognizable by its dark honey color



## Tank or Mods (Third Generation)

A type of rechargeable e-cigarette or vape device designed to be used multiple times. They are larger devices than e-cigarettes, and are known for their high aerosol production.

Users fill the device's tank with e-liquid, e-juice, or other liquid to use. For some devices ("mods"), users can modify different components or parts of the device, such as atomizers, wicks, or coils to customize their user experience. Often called vape-pens, tanks, or mods.



**SMOK Morph  
219W**



**Innokin Proton 235W**

**Vandy Vape  
Pulse Dual 220W**



**GeekVape Aegis  
Legend 200W**



**SnowWolf  
MFeng  
200W**



**Vaporesso  
Polar  
220W TC**



## Sub-ohm (Third Generation)

# SUB-OHM TANKS



An e-cigarette with low resistance coils that are less than one ohm, hence the name sub ohm. This results in a higher overall wattage and heat output and larger plume of aerosol and stronger hit/more nicotine delivery. They also provide enough airflow suitable for direct lung inhalation. Popular brands include the OFRF nexMesh, SMOK TFV16, UWELL Valyrian II, Freemax Fireluke2, Geekvape Alpha.

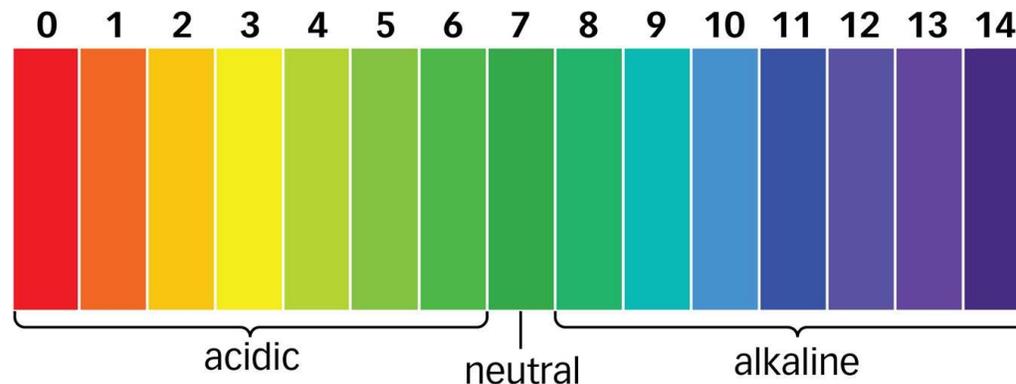


# Pod MODS (Fourth Generation)



4<sup>th</sup> Generation e-cigarettes contain nicotine salts.

Nicotine salts allow high levels of nicotine to be inhaled more easily



# Pod MODS (Fourth Generation)



Companies such as eonsmoke, +PODS, Sea100 manufacture JUUL compatible pods that contain nicotine.

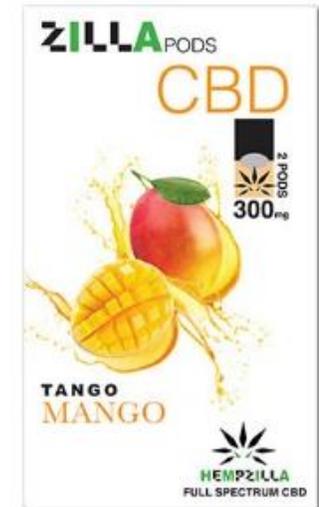
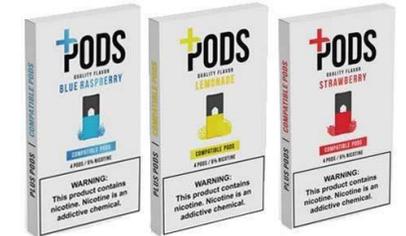
Other companies like ZILLA PODS manufacture JUUL compatible pods that contain CBD.

## JUUL



## JUUL compatible Pods

\*May contain CBD



Suorin Drop



Suorin Air



Suorin Edge



Ruby Kandypens



Lost Vapes Orion Q



JoyeTech Exceed Grip



SMOK INFINIX



SMOK Novo 2



SMOK Nord



# Pod MODS (Fourth Generation)



# Vaporizers



**Dray Dry Herb Vaporizer**



**The PAX 2 and 3**



**Khan Dry Herb Vaporizer**



**The Crafty Vaporizer**



**Mig Vapor Sol E-Nectar Collector**



**DaVinci IQ**



**Herb-E**



**Pro 50 Combustor**



**Mig Vapor - Mig Rig (formerly known as La Queef)**



**Volcano Vaporizer**



**The Dr. Dabber Switch**

An inhalation device used to release the active substances of organic or inorganic materials in a form of an aerosol through the application of non-combusting heat

Vaporizers can be used to vape dry herbs, wax, and oil. They heat marijuana to a point where its active ingredients are released in a gas and inhaled while avoiding combustion.

# Substances

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# Marijuana

Also called weed, herb, pot, grass, bud, ganja, Mary Jane, and a vast number of other slang terms—is a greenish-gray mixture of the dried flowers of *Cannabis sativa*.

THC is the main psychoactive chemical in marijuana.

THC and terpenes are extracted from marijuana as THC concentrates, hash oil, and wax from cannabis flower or trim using butane and heat. These derived products have high dosage of THC.

It contains much more THC than hemp, while hemp has a lot of CBD.



**Marijuana**



**Butane hash oil**



**Wax**  
90% THC



**CRUMBLE**  
Dried oil with a honey-comb consistency



**CRYSTALLINE/ SUGAR**  
Isolated cannabinoids in their pure crystal structure.



**DISTILLATE**  
Refined cannabinoid oil free of taste, smell and flavor.



**ROSIN**  
End product of cannabis being squeezed under heat and pressure.



**BUBBLE HASH**  
A process using ice and mesh screens pull out whole trichomes into a paste.



**SHATTER**  
A golden, translucent, and brittle concentrate made with solvents.



**BADDER/BUDDER**  
Whipped under heat, this concentrate has a cake batter-like texture.



**DRY SIFT/KIEF**  
Flower is ground and sifted, leaving behind complete trichome glands.

## DABBING TOOLS



Dab Rig with Nail



Carb Cap



Concentrate



Torch

# Dabbing

Dabbing or dibbing is a process that allows the user to inhale a high concentration of THC by vaporizing extracts of a concentrate that has been placed on a hot surface (the "nail").



Dabbing is also a term used when vaping THC concentrates and wax using a dab pen or a vaporizer.



# Synthetic cannabinoids

Synthetic cannabinoids are a class of molecules that bind to cannabinoid receptors in the body (the same receptors to which THC and CBD attach).

They are designer drugs that are usually smoked, they have been marketed as herbal incense, or “herbal smoking blends”. They are sold under common names like K2, Spice, Black Mamba, Kronic and Synthetic Marijuana.

# CBD

CBD stands for cannabidiol.

It is the second active ingredient of cannabis (marijuana) and it is not a psychoactive substance.

It is derived directly from the hemp plant, which is a cousin of the marijuana plant.





## Dank Vapes

"Dank Vape", while a brand name, is manufactured by many other companies. It is a translucent oil which is 100% solvent-free cannabis concentrate, anywhere from 75%-98% THC.

# E-liquid or “E-Juice”

All refer to the same thing, specifically the liquid that is converted into an aerosol by a vape device. A mixture of water, food grade flavoring, a choice of nicotine levels or zero nicotine, and propylene glycol (PG) or vegetable glycerin (VG).

Nicotine dosage is labeled as either mg, mg/mL, or %. Examples of how to convert between these units are as follows,

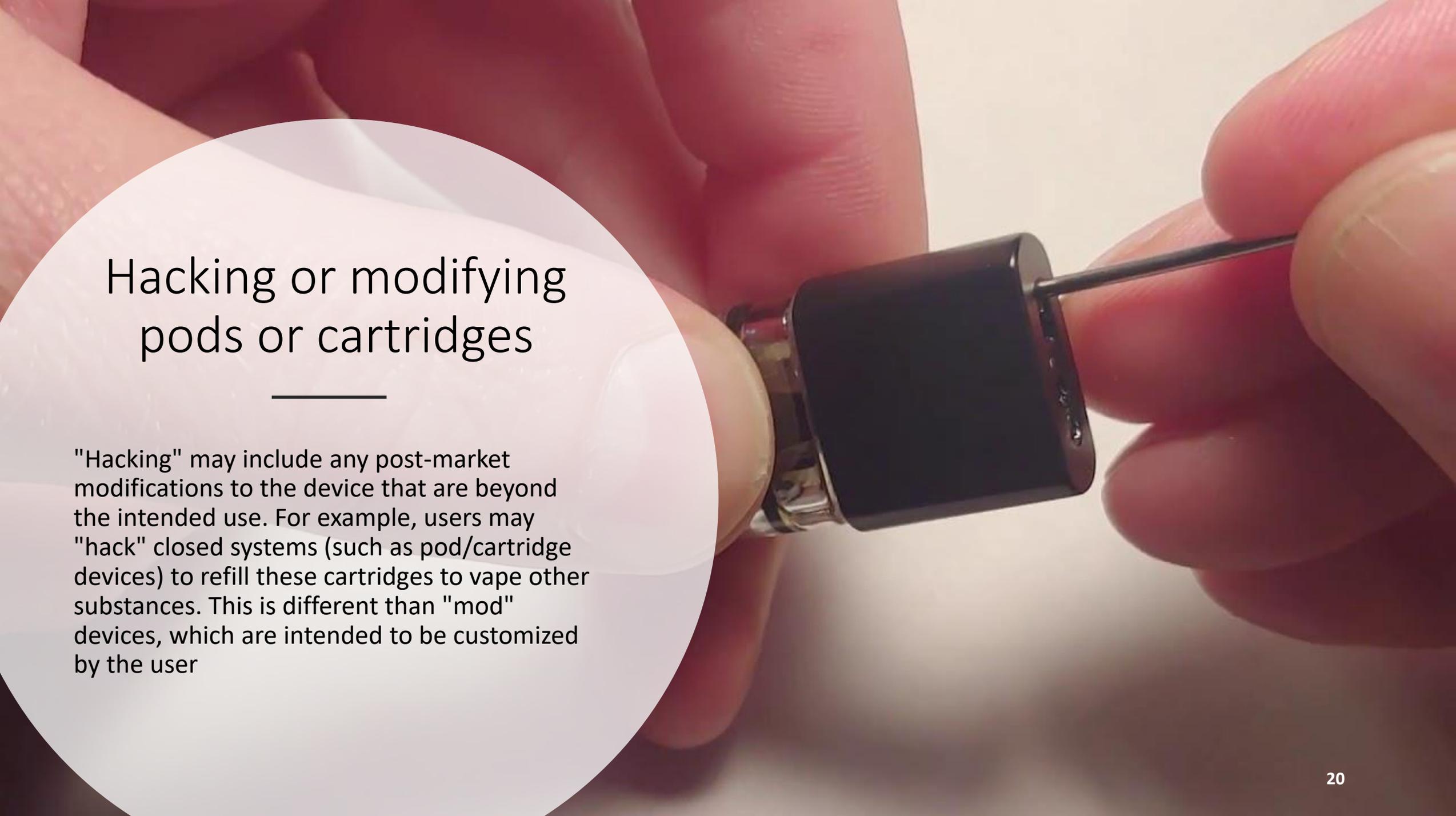
0mg = 0mg/mL = 0%  
6mg = 6mg/mL = 0.6%  
10 mg = 10mg/mL = 1%  
24mg = 24mg/mL = 2.4%



# C-Liquid

The name for the liquid form of synthetic cannabinoids. These are often mixed with a variety of different flavors to provide for a pleasant experimental arrangement.





## Hacking or modifying pods or cartridges

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"Hacking" may include any post-market modifications to the device that are beyond the intended use. For example, users may "hack" closed systems (such as pod/cartridge devices) to refill these cartridges to vape other substances. This is different than "mod" devices, which are intended to be customized by the user

# Mod Devices

## Tank MOD (3<sup>rd</sup> Generation)



## Pod MOD (4<sup>th</sup> Generation)



## Vaporizer

\*Using a MOD attachment



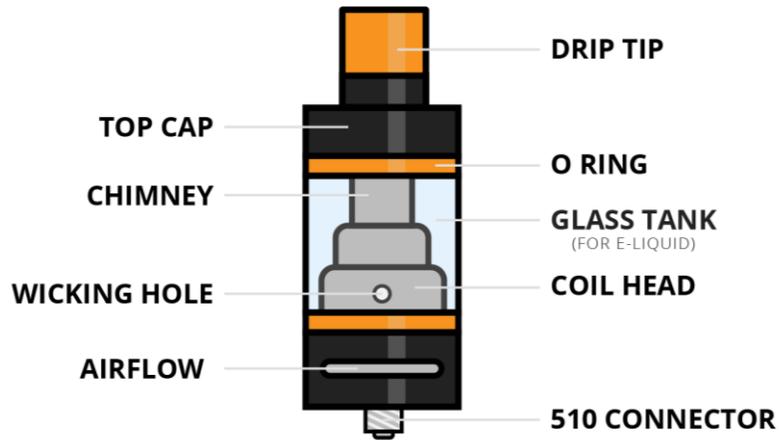
MOD systems (3<sup>rd</sup> and 4<sup>th</sup> generation) are designed to be able to change the atomizer, wicks, power output (Voltage or Watts), and the coils to either lower or increase the heating resistance (ohm).

The higher the power setting and the lower the coil resistance, the faster the e-liquid is heated to turn into an aerosol. This allows the user to obtain a higher hit of nicotine and create a bigger cloud of aerosol.

Certain vaporizers allow the user to control the temperature used to heat the marijuana or THC concentrate and other vaporizer brands allow the user to modify the power output and coils. In addition, certain vaporizers can be attached to a MOD device.

# Hacking a Mod system

## THE ANATOMY OF A VAPE TANK



## Dripping

Users hack the mod system in order to create a bigger hit of the substance used. This is done by increasing the temperature used to heat the e-liquid. Dripping is when users expose the heating coils to "drip" liquids directly on the heating device and get a more flavorful and thicker cloud of aerosol. This is dangerous because it exposes users to higher levels of nicotine and to harmful non-nicotine toxins, such as formaldehyde and acetaldehyde, which are known carcinogens.