



PRESENT
KNOWLEDGE
**OF CBD &
THCV**

A phenomenon has emerged
around cannabidiol





CBD

Our current understanding

5.3bn

USD | CBD product sales

2bn

USD | E-commerce sales

The market for cannabis-derived products is expected to grow to \$11 billion by 2027. Regulation reform by the FDA is partially responsible for the industry's success. However, even without such reforms, the industry will still reach \$6 billion by 2027.



According to the Brightfield Group

Cannabis-derived cannabidiol Is now an official trend

There are many forms of CBD products available, including tinctures, salves, pills, gummies, and oils, which promise all the benefits of medical cannabis without the negative side effects or legal ramifications.

68%

Report that it is effective for them

Researchers suggest that CBD may aid in the treatment of anxiety, addiction, and PTSD symptoms.

22%

Of people do not trust CBD

There is still a lot of research to be done before CBD's therapeutic benefits are clear cut.

66

Epidiolex

Is the only CBD product that has been approved by the FDA to treat children with epilepsy

USE



33 PERCENT

Of American adults have used CBD once or more.

FAMILIAR



64 PERCENT

Are familiar with CBD and/or CBD products.

TRIED



64 MILLION

Americans have tried CBD in the last 24 months.



Full-spectrum

Whole Plant CBD products contain CBD as well as terpenes, flavonoids, and other cannabinoids such as THC. In most cases, the THC in these products is extracted from the marijuana subspecies, though the amount can differ.



Broad-spectrum

CBD products contain additional compounds, such as terpenes and cannabinoids, but are often lower in THC than full-spectrum CBD products. Most often sold as an oil.



CBD isolate

Is pure CBD, typically sourced from hemp plants. In addition to being edible, it is also available as an oil or tincture.

Additionally

CBD appears to be relatively safe

Experts caution that CBD will not harm most consumers, but some manufacturers have made exaggerated claims.



UC

There are no studies to support most of these claims, according to Daniele Piomelli, Ph.D.



UCLA

As we study CBD more, we'll better understand the conditions CBD can truly benefit and the appropriate dosages required, said Dr. Jeff Chen.



USER

CBD user demographics skew young. Of all age groups, Americans age 18-29 are most likely to use CBD consistently. (Gallup, 2019)

Product Mislabeling

There are almost 70% of cannabidiol products online that are mislabeled according to a recent study by Penn Medicine. There is the risk of cross-contamination during the CBD manufacturing process, in stores and at home, and when both CBD and THC are contained in the same product.



Pass

The fact that you pass a drug test does not mean that you do not have any THC or THC-COOH in your body.



Negative

Instead, a negative drug test indicates that the amount of THC or THC-COOH was below the threshold.

Does this mean that CBD won't be detected on a standard drug test?

Typical drug tests do not screen for CBD. Most commonly, they detect THC or a metabolite of THC.

An individual ordering the drug test could request that CBD be included in the list of substances being tested. There is, however, a high probability that this is not the case, especially in states where CBD is legal.



Tetrahydrocannabivarin (THCV)

Is a cannabis-derived compound distinguished from other cannabinoids by its unique properties.

The cannabinoid THCV, found in cannabis products alongside THC, is rapidly gaining popularity. Although it's difficult to compare THCV directly to THC, some people say it mitigates the intoxicating effects of THC.



01

Once a compound is digested, metabolites remain as leftovers.



02

The metabolites of THCV are similar to those of THC.



03

THCV may provide a therapeutic template for glycemic control.

As a minor cannabinoid

THCV binds to cannabinoid receptors in the body and regulates certain processes that impact our daily moods and functions.

The Federal Government

Continues to prohibit the sale of cannabis containing more than 0.3 percent THC, but many states have legalized it for both medical and adult use.

Aspects to consider

Dosing and Strength, Regularity, & Delivery Method

- Products carry various milligram strengths, allowing users to select a variety of dosage levels.
 - Regular THCv use is more likely to lead to positive results than consuming a small amount once a week.
 - THCvs are delivered in different ways, so each one has a different half-life.
-

For those who will be tested in the near future, it is recommended that they strictly avoid tetrahydrocannabivarin, (THCV).

➤ Both vaping and smoking THCv flower deliver short-lived effects, while metabolizing it more quickly.

➤ THCv edibles have a long-lasting effect, allowing THC-COOH to remain in the body for the longest amount of time.

Does THCv fail drug tests?

The short answer is yes, THCv can fail a drug test as it may be mixed with other substances that will trigger a test. In sum: residual compounds can fail drug tests.



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