



**Cannabidiol (CBD):** a naturally occurring plant compound found in the flower of cannabis, a plant with a rich history as a medicine going back thousands of years.

**Acute Pain vs Chronic Pain:**

**Acute pain:** sudden onset and is usually the result of clearly defined cause such as an injury.  
**Chronic pain:** persists for weeks or months and is usually associated with an underlying condition, such as arthritis.

**NSAID (Nonsteroidal anti-inflammatory drugs):** a drug class that reduces pain, decreases fever and decreases inflammation.

**Hydrocortisone:** the name for the hormone cortisol when supplied as a medication. Used for conditions such as adrenocortical insufficiency, high blood calcium, thyroiditis, rheumatoid arthritis, dermatitis and COPD.

**Adrenocortical insufficiency:** a disorder that occurs when the adrenal glands don't make enough of certain hormones. COX-1 vs. COX-2 enzyme: COX-1: known to be present in most of the tissues in our bodies. In the gastrointestinal tract, COX-1 maintains the normal lining of the stomach and intestines. COX-2: primarily found at sites of inflammation.

**About US**

dwel CBD was started as a means to provide premium quality CBD and CBD-infused products with unmatched service and unparalleled commitment to our community.

Our commitment to providing world-class products and improved quality of life for people and animals is a passion for everyone at dwell, and we are committed to being good stewards of our natural resources to earn and retain the confidence our customers have placed in our company and products.

**Our Mission**

To provide our customers with the highest quality CBD & CBD-infused products available, while serving our community with a commitment and dedication to wellness for everyone!



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**CBD for  
 Chronic Pain**

D W ≡ L L

**CBD**

*wellness for life*

## CBD for Chronic Pain

Chronic pain represents a public health issue of massive proportions, particularly in view of aging populations. Associated facts and figures are daunting: chronic musculoskeletal pain of a disabling nature affects over one in four elderly people, while figures from an ABC News poll in the USA indicated more than 19% of adults (70 million) have chronic pain, and 6% utilized OTC medications in attempts to treat their pain.

Long before mechanisms of cannabinoid analgesia were understood, studies found CBD to activate or inhibit other compounds in the endocannabinoid system.



For example, CBD (as a re-uptake inhibitor) can stop the body from absorbing one of its own endogenous cannabinoids, Anandamide, a compound associated with regulating pain. CBD has twenty times the anti-inflammatory potency of normal aspirin and as much as twice that of hydrocortisone.

## CBD and Arthritis

The most precarious and debilitating symptoms suffered by arthritis patients include pain, stiffness, and decreased movement within the joints, all of which can be severe and worsen over time. Recently, the Arthritis Foundation published a “CBD Guidance for Adults with Arthritis” in which they reported the results of a survey of 2,600 people with arthritis showing significant use of and interest in CBD. Their “Key Takeaways” section reported that “CBD may help with arthritis-related symptoms, such as pain, insomnia, and anxiety.”

Some medications and treatment programs can potentially help ease negative effects, but many people are searching for a natural pain relief option. This is where CBD oil comes into play.

A study published in 2017 analyzed whether CBD could prevent osteoarthritis pain and joint neuropathy. Based on its findings, researchers affirmed it did both because it decreased joint inflammation and served as a nerve protectant.

Long-term use of regular painkillers, such as NSAID's, may be associated with a number of adverse health effects, such as increased risk of heart and liver problems, as well as a possible addiction. In contrast, the World Health Organization's report on CBD concluded it is non-addictive and CBD carries fewer risks than many traditional medications.



*Dwell CBD products are all proudly grown and formulated in KY!*

At dwell CBD™ we take the science of hemp-derived cbd and cbd-infused products very seriously. dwell CBD™ is not simply a brand; it's a lifestyle and a commitment to wellness, through enriched natural resources and a focus on purity.

Our culture is as simple and pure as the process we implement for our products. Clean, honest and dedicated team members will continue to be the face of dwell CBD™ - because they are your friends, neighbors and family, they are the people you know and trust, they are the people who care about your health and wellness for life. Welcome to the family!

dwell CBD™ operates under the Kentucky Department of Agriculture in association with producers and farmers - within section 7606 of the U.S. Farm Bill and the laws of the State of Kentucky.

