



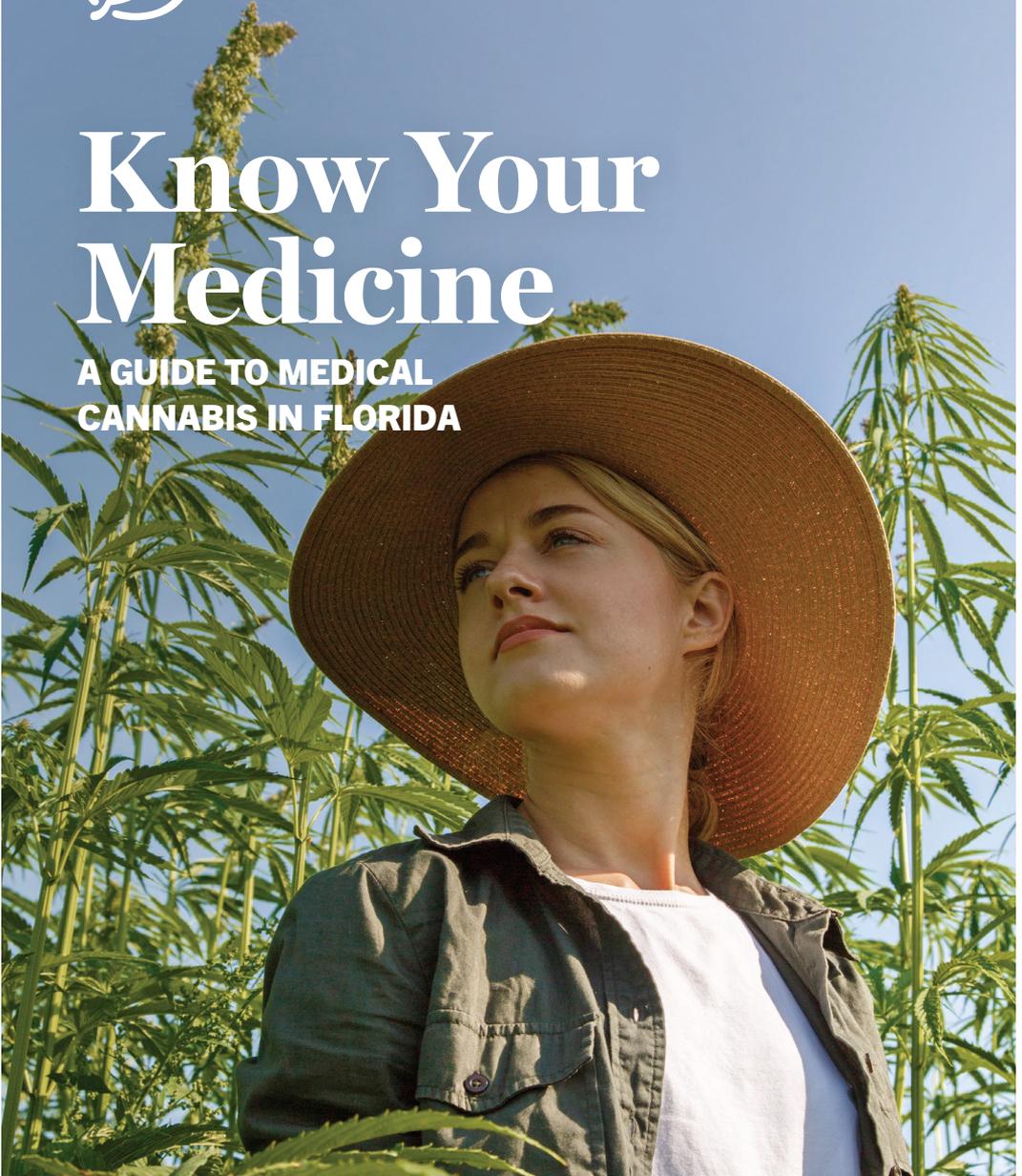
Dispensary Education and Resource Packet

	Pages 2-14	Full educational packet with journal, Patient Perks
	Pages 15-25	Full educational packet
	Page 26	Strain Guide
	Pages 27-28	Price Sheet and Terpene Sheet
	Page 29	Healing Chart
	Page 30	Discount Card
	Pages 31-34	Full educational packet
	Pages 35-39	Price sheet and education
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	Pages 68-77	Product and Strain Guide, Tikun educational packet



Know Your Medicine

**A GUIDE TO MEDICAL
CANNABIS IN FLORIDA**



- HOW TO BECOME A PATIENT
- VISITING OUR DISPENSARY
- METHODS OF PRODUCT ADMINISTRATION
- CANNABINOIDS
- TERPENES

curaleaf
CANNABIS WITH CONFIDENCE



How to Become a Patient in Florida



A patient must be a resident of Florida.



A patient must have one of the qualifying conditions on this brochure.



A patient must obtain a certification from a Qualified Medical Cannabis Physician who has taken the medical cannabis training offered by the Department of Health. These include Physicians and Osteopathic Physicians. To find a physician near you, visit: <https://curaleaf.com/florida/physicians/>



Once your condition has been evaluated and approved, the physician will initiate your registration with the Medical Marijuana Use Registry (MMUR). For questions, contact the Office of Medical Marijuana at (800) 808-9580.



You will receive an email from the MMUR with a link to the identification card application, which you will need to finalize. In addition, there is a \$75 fee for the Registry Identification Card.



Once your Registry Identification Card application has been approved, and you have an active order from your physician, please contact your local Curaleaf Dispensary to fill your order. To find a dispensary or to order online, visit our website www.curaleaf.com.

QUALIFYING CONDITIONS

- Cancer
- Epilepsy
- Glaucoma
- Positive status for human immunodeficiency virus (HIV)
- Acquired immune deficiency syndrome (AIDS)
- Post-traumatic stress disorder (PTSD)
- Amyotrophic lateral sclerosis (ALS)
- Crohn's disease
- Parkinson's disease
- Multiple sclerosis
- Medical conditions of the same kind or class as or comparable to those listed above
- A terminal condition diagnosed by a physician other than the qualified physician issuing the physician certification
- Chronic nonmalignant pain-chronic nonmalignant pain means pain that is caused by a qualifying medical condition or that originates from a qualifying medical condition and persist beyond the usual course of that qualifying medical condition

Your Initial Visit

WHAT YOU'LL NEED

In order for a patient to enter our dispensary, they must present his or her Florida issued medical marijuana card or another form of government-issued ID such as a driver's license.

We create a safe, open and honest environment for cannabis discovery and enjoyment.

WHAT TO EXPECT

Registration

Patients will be greeted by one of our dispensary associates upon entering the dispensary. During the patient intake process, the reception staff will scan the State issued medical cannabis card and print out the order their physician entered into the MMUR.

Product selection

Once registration is complete, the patient will meet with one of our dispensary associates. The dispensary associate will then walk through the different product offerings, features, benefits and any discounts that may be applicable.



Methods of Administration

When talking to your doctor, here are a few things you need to know:

- A qualified physician may issue a physician certification for no more than three (3) - 70-day supply limits for each of the approved forms and 6, 35-day supply limits for smokable flower.
- Please consult with your physician about the best routes of administration for your medical conditions and make sure they are part of your recommendation.



Sublingual Administration

Sublingual forms are administered under the tongue and may be faster acting as the medicine is absorbed into the blood through the mucosal membrane in the mouth.

Peak effect: 15 minutes

Duration: 6 – 8 hours

Administration: Sublingual

We offer a variety of products in multiple strengths & formulations.



Oral Administration

Oral administration is one of the strongest delivery methods out there. Unlike inhaled Cannabis, ingested Cannabis is metabolized by the liver. This means that more THC is converted into usable forms by the body.

Peak effect: 2 – 6 hours

Duration: 4 – 12 hours

Administration: Oral

We offer a variety of products in multiple strengths & formulations.



Vaporizing Administration

Inhalation through vaporization is the fastest acting method of administration. When inhaled, the active ingredients of the product pass directly into the bloodstream from the lungs.

Peak effect: 15 – 30 minutes

Duration: 2 – 3 hours

Administration: Inhalation

We offer a variety of products in multiple strengths & formulations.



Topicals

Topicals forms are typically used as creams or lotions, delivering active ingredients to the bloodstream through the skin.

Peak effect: 1 hour*

Duration: 3 – 4 hours*

Administration: Topical



Smokable Cannabis

When the cannabis flower is smoked, THC, CBD and other phyto-cannabinoids, as well as terpenes, are vaporized by the heat of combustion and inhaled. This provides the whole plant benefit, known as the Entourage Effect. Inhaled active ingredients are quickly passed from the lungs into the bloodstream.

Peak effect: 15 – 30 minutes*

Duration: 2 – 3 hours*

Administration: Inhalation, Smokable Flower



Edibles

Edibles need to be digested in order for your body to process it. More precisely, it needs to reach the small intestine and the liver. As soon as it arrives there, the fats in the edibles are broken down and finally passed into the bloodstream to supply the body with nutrients, cannabinoids and other substances.

Peak effect: 1 – 2 hours*

Duration: 4 – 6 hours*

Administration: Edibles

*Onset peak time and duration may vary per person and will depend on various factors, including, but not limited to, cannabis experience, tolerance, comorbidities, adverse effects, drug interaction, and other factors. Please consult recommended doses with your physician.



**We take the
confusion
and doubt out
of cannabis
discovery and
decision-making**



Terpenes

DO YOU USE SMELL WHEN CHOOSING YOUR MEDICAL CANNABIS?

Then you are familiar with terpenes—aroma and taste molecules in the essential oils of plants. Terpenes provide each plant's distinctive scent, or essence, and are used to attract pollinators, repel pests and discourage herbivores. Humans have used them in a wide range of products—from perfumes to soaps and pharmaceuticals.

Like roses or spices, different strains of Cannabis have unique odors ranging from sweet to acrid and skunky to floral—the chemical signatures of terpenes. Terpenes are also building blocks of chemicals such as THCA, the acidic version of THC. They are major components of Cannabis resin and extracts

produced from these resins. Up to 30% of the resin in Cannabis smoke consists of terpenes.

Terpene content is one of the biggest differentiators between Cannabis sativa and Cannabis indica. The general rule that patients often prefer sativa for daytime use and indica for nighttime use suggests that the effects of Cannabis are influenced by terpenes.

Patients should take into account the content of major terpenes when evaluating various strains of medical Cannabis. This information can help you select the right medicine for your needs.



TERPENE	ALSO FOUND IN	AROMA
 Pinene	Pine needles	Pine Earth
 Myrcene	Hops	Floral Pungent Earth
 Limonene	Citrus	Citrus Fresh spice
 Terpinolene	Coriander	Pine Herbal Anise Lime
 Linalool	Lavender	Floral Lavendar Citrus Spice
 Terpineol	Mugwort	Lilac Citrus Woody
 Caryophyllene	Black pepper	Citrus Spice
 Humulene	Basil	Robust Herbaceous Earth
 Ocimene	Thyme and Alfalfa	Citrusy green Woody Tropical fruit

Cannabinoids

While THC gets the attention, there are over 70 cannabinoids in Cannabis. The other cannabinoids - and terpenes – are also believed to be an important part of the plant and should be considered by patients.

Cannabinoids are believed to interact with each other to enhance their effectiveness.



DID YOU KNOW THAT THERE IS NO THC IN CANNABIS?

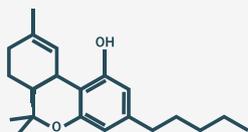
Raw Cannabis contains the acidic compound THCA, not the neutral compound THC. THCA is converted into THC by the heat of combustion, vaporization or cooking in a process called decarboxylation. This rule applies to all cannabinoids: naturally occurring acidic CBDA converts to CBD, CBGA to CBG, etc.

The acidic versions have traditionally been considered biologically inactive.

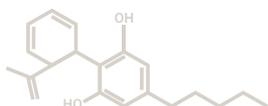
However, depending on the method of preparation and administration, not all of the acidic cannabinoids are converted during decarboxylation (particularly in edibles).

The presence of all the major cannabinoids should be taken into account by patients when evaluating a strain of medical Cannabis.

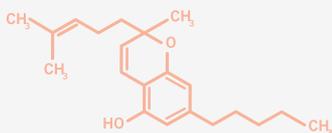
CANNABINOID



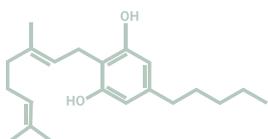
THC ■
Tetrahydrocannabinol
THCA



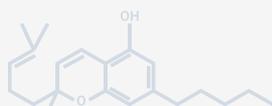
CBD ■
Cannabidiol
CBDA



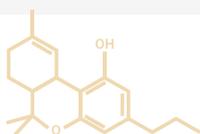
CBC ■
Cannabichromene
CBCA



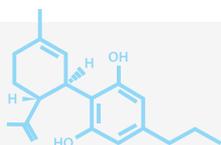
CBG ■
Cannabigerol
CBGA



CBN ■
Cannabinol
CBNA



THCV ■
Tetrahydcannabivarin
THCVA



CBDV ■
Cannabidivarin
CBDVA

Where to find us

Florida

<https://curaleaf.com/florida/locations>

curaleaf.com / [@curaleaf.usa](https://www.instagram.com/curaleaf.usa)



For more information visit: www.curaleaf.com
Curaleaf can provide education FREE to your group or practice.

The information provided herein is not intended to serve as medical advice or as a substitute for talking with your health care provider. Please consult with your personal health care provider prior to using medical cannabis

Patient Perks

We understand that high-quality cannabis doesn't fit every budget. That's why we offer standard discounts at all of our medical locations to ensure your medicine is as affordable as possible.

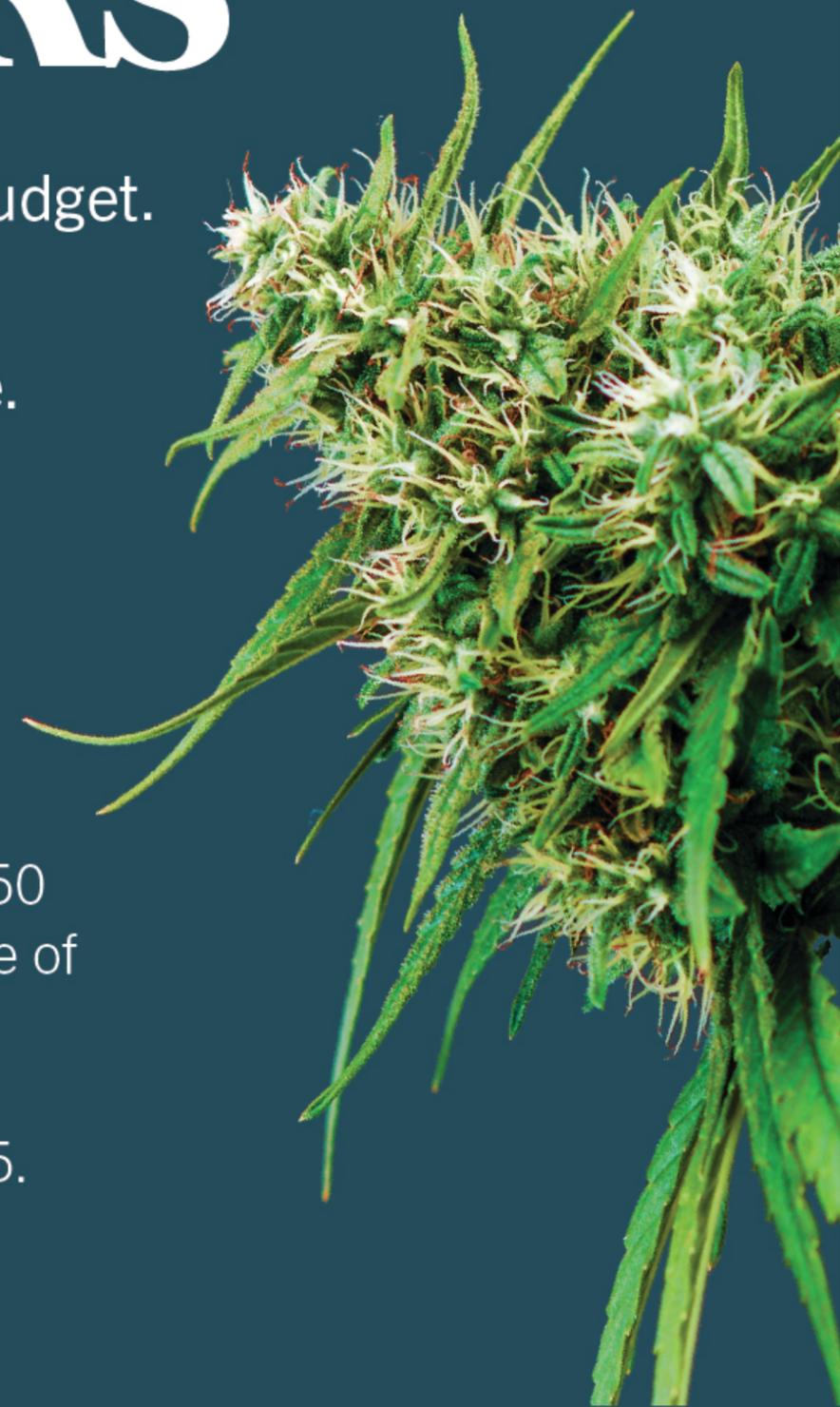
**50% OFF
FIRST-TIME*
PATIENT
DISCOUNT**



**PATIENT
RENEWAL DISCOUNT****

Get \$75 OFF when you spend \$150
+ Get \$25 OFF your next purchase of
\$75 or more.

Get \$25 OFF when you spend \$75.



the ENDOCANNABINOID system

The endocannabinoid system (ECS) plays an important role in the human body as it regulates its balance via cannabinoid receptors found in specific body organs.

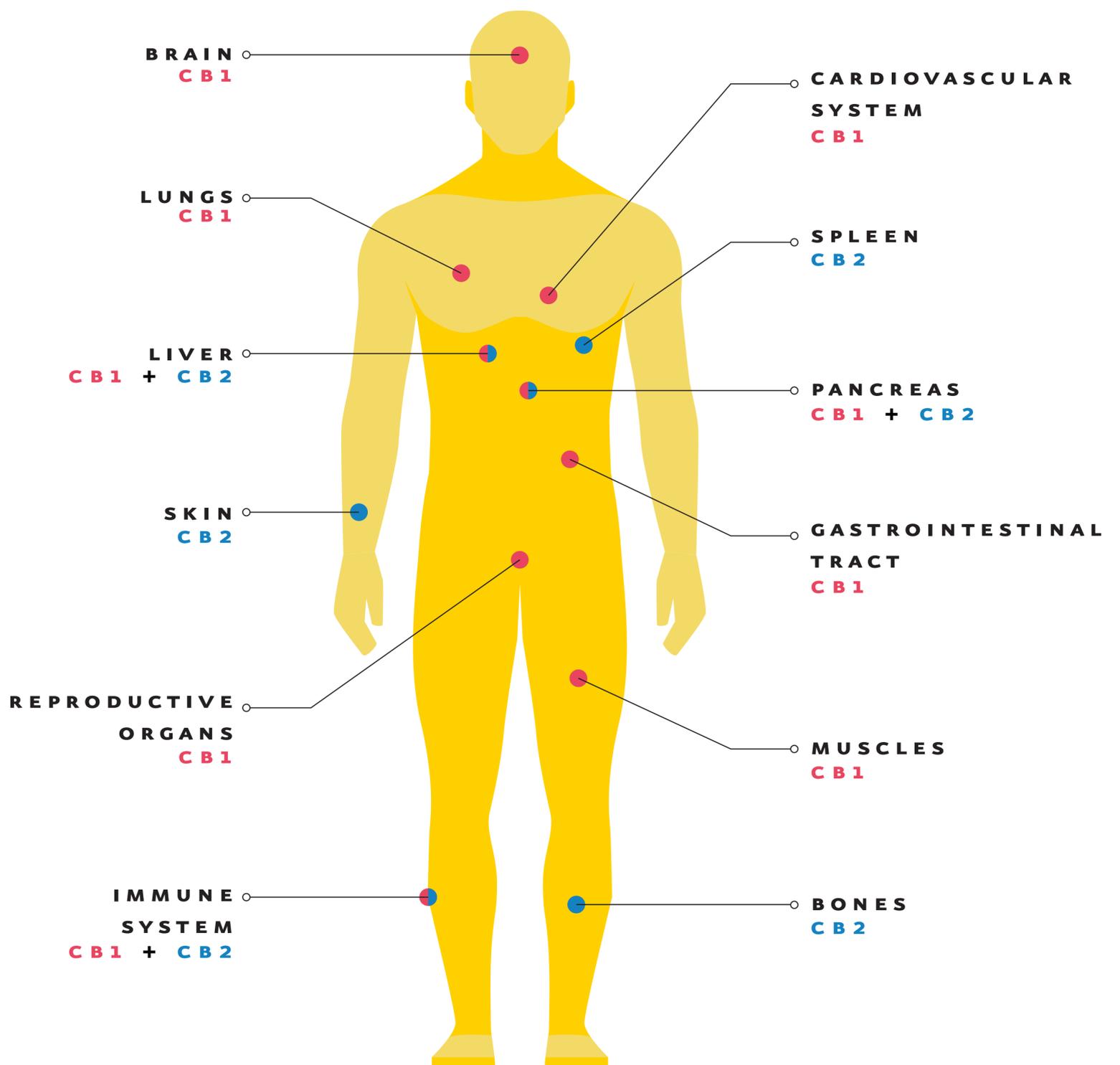
THE MAIN CANNABINOID RECEPTORS ARE CB1 AND CB2.

CB1 is mainly found in the central nervous system (brain and nerves of the spinal cord)

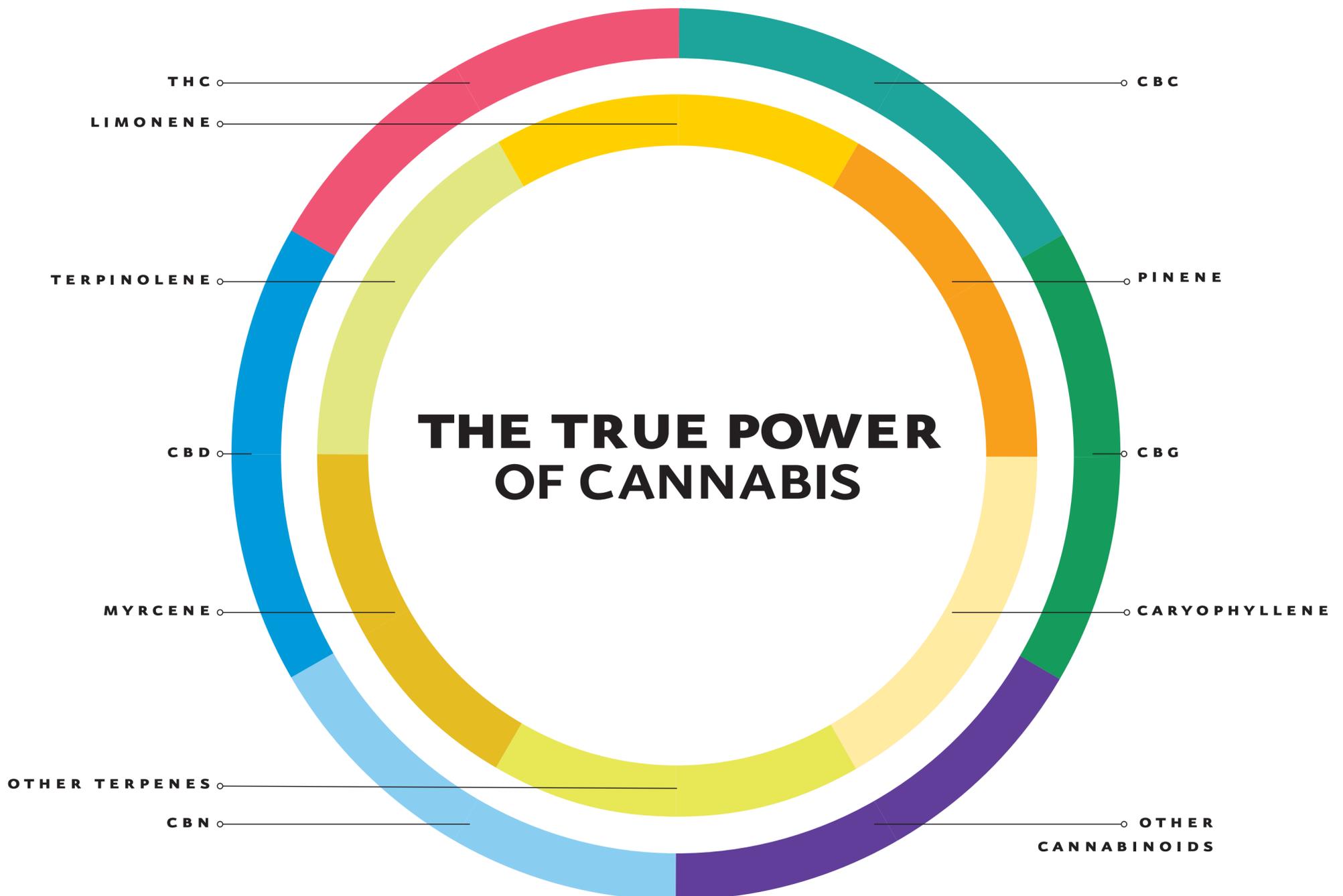
CB2 is mainly found in the immune tissues and cells and is overexpressed during pathological conditions in selected cells.

Through these receptors, the ECS helps regulate several important functions, such as appetite, digestion, immune function, inflammation, mood, and many more. The presence of the ECS across so many systems of the body explains why such a wide variety of medical conditions are proving to be responsive to cannabis-based treatments.

As research continues to evolve, it's exciting to learn how cannabis and other plants might be the future tonic to our most central physiologic healing system.



FULL SPECTRUM



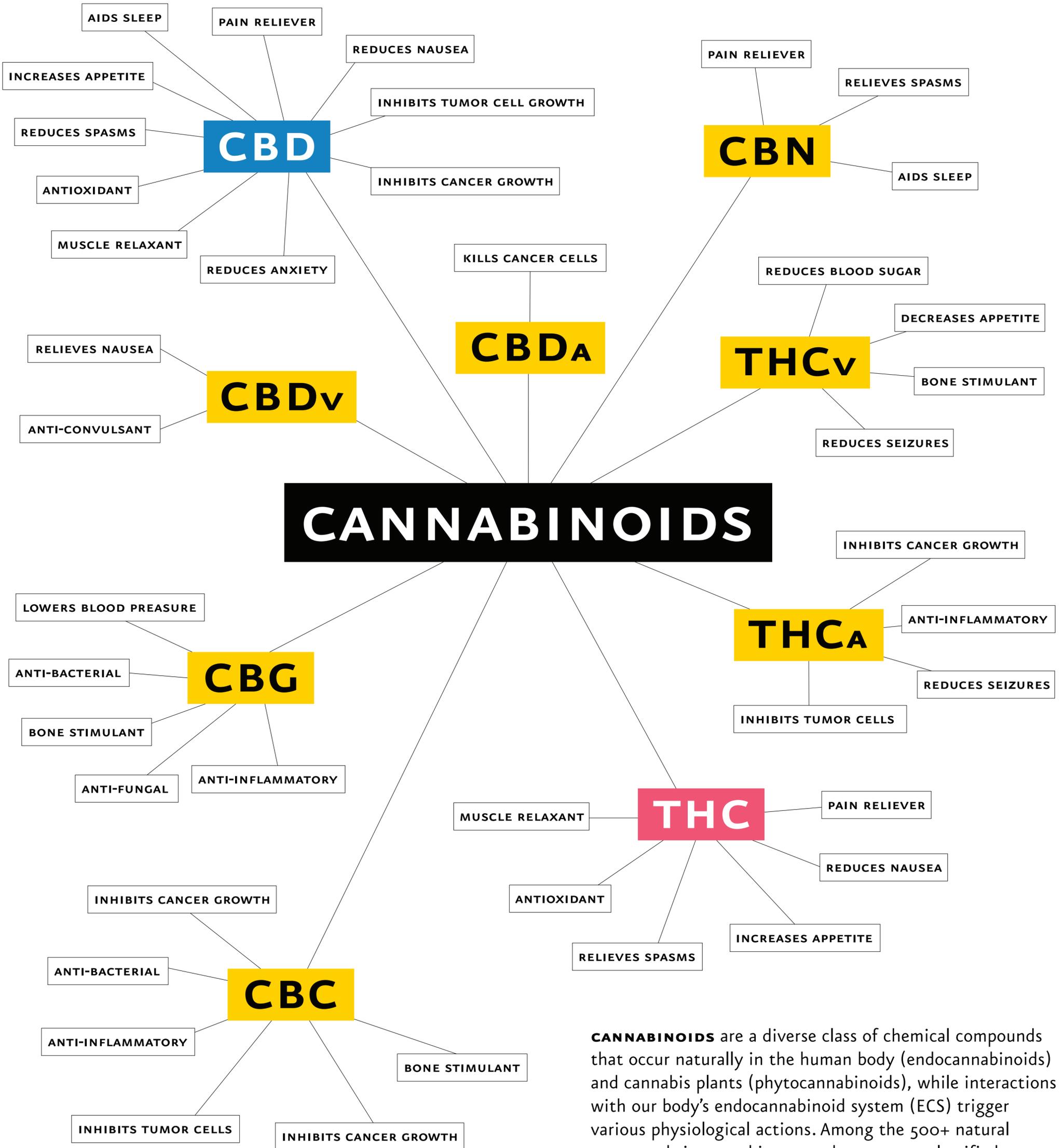
The best medicine is produced when all bioactive components are included. But what does that really mean? Basically, there are so many combinations of natural products such as cannabinoids, terpenes and other less popularized compounds that make whole-plant therapy the only way to really get the most

from your medicine. Scientists have observed that the health benefits of the whole plant extract is much greater than the sum of its individual components. When it comes to cannabis, this synergistic effect is known in the industry as the **ENTOURAGE EFFECT**.

The cannabis plant consists of over 500 medicinal compounds which include cannabinoids, terpenes, flavonoids, etc, that all work together bringing the plant's unique therapeutic potential to life. This is the essential basis behind the entourage effect and full-spectrum medicine.

Learn more about **FLUENT** and full-spectrum cannabis at [GETFLUENT.COM](https://www.getfluent.com)

FLUENT



CANNABINOIDS are a diverse class of chemical compounds that occur naturally in the human body (endocannabinoids) and cannabis plants (phytocannabinoids), while interactions with our body's endocannabinoid system (ECS) trigger various physiological actions. Among the 500+ natural compounds in cannabis, more than 100 are classified as phytocannabinoids.

Tetrahydrocannabinol (THC) is the most well-known compound due to its psychoactive effects, accompanied by cannabidiol (CBD) because of its' significant role in the plant's medicinal benefits. The therapeutic benefits of cannabis are enhanced by the combination of multiple cannabinoids together, contributing to the healing benefits of the **ENTOURAGE EFFECT**.

**PRODUCT
OVERVIEW**

JANUARY 2021

FLUENT

FLUENT PROMOTIONS

WELCOME BUNDLE

50% OFF ON YOUR FIRST VISIT

on purchases of \$200 or less, plus \$10 credit on all Fluent merch and accessories

FLUENT SAMPLER DEALS

unique first-time customer discounts, revealed on your first visit

CART MONDAYS

15% DISCOUNT ON ALL CARTRIDGES

EXPRESS TUESDAYS

DEALS ON SELECT FLUENT PRODUCTS

every Tuesday through Express Pick-Up (online or by phone)

STUDENT SATURDAYS

10% OFF YOUR ENTIRE PURCHASE

every Saturday, with valid Student ID card

SILVER SUNDAYS

SENIORS GET 10% OFF ON EVERYTHING

in-store every Sunday (must be 55 or older)

BIRTHDAY CLUB

10% OFF YOUR ENTIRE PURCHASE

during your birthday month

VETERANS AND SPOUSES

20% DISCOUNT ON EVERYTHING

with valid VA card - Stackable up to 30%

PLUS MANY MORE...

FOR A COMPLETE LIST OF CURRENT PROMOTIONS HEAD TO [GETFLUENT.COM/PROMOTIONS](https://www.getfluent.com/promotions)

CANNABIS 101

Cannabis is a highly popular and natural medication used for its countless medicinal properties. The human body has receptors that process Cannabis and use it to restore the body, mind, and treat a range of ailments. It has been claimed to help with nausea, sleep, stress, to just being used for elevating or excite everyday life or activities like, exercising, socializing, and being creative. Medicinal Cannabis products are now available in an array of applications to consume that everyone can enjoy, from joints, vapes, and capsules, to topical creams.

CANNABIS PHENOTYPES: SATIVA, INDICA, OR HYBRID?

SATIVA

- Best for Daytime use
- Mentally Stimulating
- Uplifting & Euphoric
- Energizing
- Creative

INDICA

- Best for Nighttime use
- Relaxing, Physically & Mentally
- Pain Relief & Sleep Aid
- Appetite Stimulant
- Anxiety Reducing

HYBRID

- Daytime and Nighttime use
- Produces strain specific effects from both Sativa & Indica
- Can be Sativa-dominant or Indica-dominant
- Often reduces Anxiety & Stress

WHAT ARE CANNABINOIDS?

Cannabis contains 85+ types of cannabinoids, most of which hold documented medical benefits. The most common cannabinoids are THC and CBD. THC is characterized by its popular psychoactive effects, while CBD offers therapeutic effects without the euphoria or psychoactive properties. Other main cannabinoids, like CBG or CBN, all have their unique impact and influence as well. The human body holds a system of receptors that make up our **Endocannabinoid System**, specifically designed to process the cannabinoids found in the cannabis plant. Below are some of the conditions that THC & CBD help with:

THC CAN HELP WITH:

- Anxiety
- Glaucoma
- Low appetite
- Pain
- Insomnia
- Nausea

CBD CAN HELP WITH:

- Epilepsy/seizures
- Pain & inflammation
- PTSD & anxiety
- Crohn's disease
- Multiple sclerosis
- Opioid withdrawal

WHAT ARE TERPENES?

Terpenes are aromatic oils found in nature that provide plants, such as Cannabis, with distinctive flavors and aromas like citrus, berry, mint, and pine. The Cannabis industry has dubbed non-cannabis derived terpenes to be called Botanical. Cannabis-derived terpenes contain their natural taste and smell, while botanical terpenes offer a variety of flavors and aromas beyond cannabis. Botanical terpenes have the same benefits as native terpenes and both have unique, important roles within the plant. The effect profile of any given terpene can also change in the presence of other compounds, in a phenomenon known as the **entourage effect**.

FLUENT PRODUCT LINES

BLACK LINE: High-potency, full spectrum THC products

THC - RED LINE: Full spectrum THC products

BLEND - PURPLE LINE: A combination of various full spectrum CBD:THC ratio products

CBD - BLUE LINE: Full spectrum CBD, low-THC products

MOODS: High-potency, flavorful THC products with botanical terpenes and extracts

SCAN ME





CARTRIDGES

Vaporizer cartridges are filled with cannabis extract; it's one of the most convenient and discreet ways for inhalation as the vapor dissipates quickly with minimal odor. The effects after inhalation are felt within minutes, providing immediate relief from any strain of choice.

PRESENTATIONS: 450 mg (high-potency), 600 mg

PRODUCT LINES: BLACK, **THC**, **BLEND**, **CBD**, AND **MOODS**

PRICING: \$60 - \$80

WHOLE FLOWER

Flower is the purest way to understand the complexity of each strain; it offers a well-rounded cannabis experience with a unique and pleasant taste. Fresh batches and new strains are continually available in stores.

PRESENTATIONS: 3.5 g (1/8 oz)

PRODUCT LINES: **THC - SATIVAS**, **HYBRIDS**, **INDICAS**

PRICING: \$35 - \$55 DEPENDING ON STRAIN AND SIZE

LEARN MORE AT [GETFLUENT.COM/FLOWER](https://getfluent.com/flower)

PRE-ROLLS

If you're looking for a quick and easy way to enjoy the experience of cannabis flower, pre-rolls could be the perfect solution. Ready to smoke, pre-dosed, and extra convenient. Available in 3-pack bundles.

PRESENTATIONS: 1 g singles, 0.5 g 3-packs

PRODUCT LINES: **THC - SATIVAS**, **HYBRIDS**, **INDICAS**

PRICING: \$13 - \$20

GELS

These THC and CBD infused edibles are the tastiest and most straightforward way to enjoy Cannabis. Gels are an edible treat that comes naturally flavored and pre-dosed. After ingested, it has a prolonged onset but will deliver powerful and long-lasting effects. Gels are also Vegan, Gluten-Free, Dairy-Free, and contain NO High Fructose Corn Syrup.

PRESENTATIONS: 100 mg (10 gels x 10 mg per gel)

PRODUCT LINES: **THC** AND **BLEND**

PRICING: \$30



SYRINGES

Concentrate syringes dispense high-potency cannabis extract. They provide precise dosing and can be consumed in various ways. It's a great alternative to inhalation and medicinal patients appreciate its ease of use.

PRESENTATIONS: 500 mg (high-potency)

PRODUCT LINES: BLACK AND **MOODS**

PRICING: \$60



SUBLINGUAL DROPS

Liquid drops are taken sublingually by placing pre-dosed drops under the tongue, offering a simple and odorless application. This allows cannabinoids to be absorbed by the body easily. You can expect long-lasting effects in comparison to inhalation methods

PRESENTATIONS: 450 mg & 1200 mg (high-potency), 600 mg

PRODUCT LINES: BLACK, **THC**, **BLEND**, **CBD**, AND **MOODS**

PRICING: \$60 - \$140



TOPICAL CREAM

Our 1:1 cream is crafted by blending a range of anti-inflammatory agents, cannabinoids, and other medicinal cannabis-based compounds. Cannabinoids in creams are absorbed directly into the skin. It's often used for relief from localized pain and inflammation.

PRESENTATIONS: 600 mg

PRODUCT LINES: **BLEND**

PRICING: \$100



CAPSULES

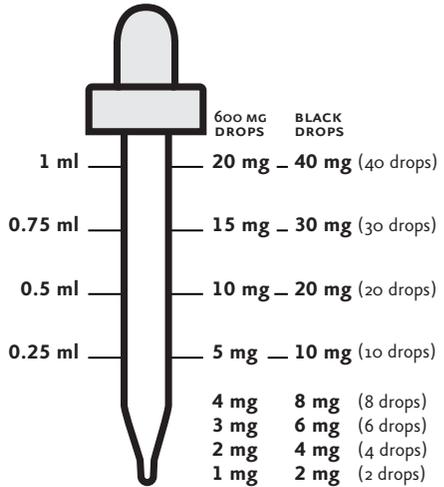
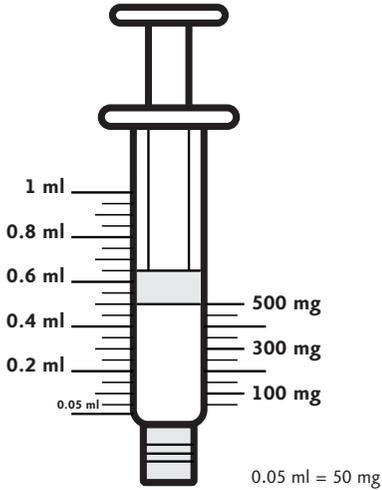
Cannabis capsules give cannabinoids the ability to be directly processed and absorbed by the liver. This allows effects to last noticeably longer than other ingestion methods. Each capsule is pre-dosed and convenient to take, making it a simple consumption alternative.

PRESENTATIONS: 90 mg (mini pack), 600 mg

PRODUCT LINES: **THC**, **BLEND**, AND **CBD**

PRICING: \$20 - \$100

DOSING GUIDE



DISPENSARY LOCATIONS

CAPE CORAL
CASSELBERRY
CLEARWATER
CORAL GABLES
CORAL SPRINGS
CUTLER BAY
FORT MYERS
FORT PIERCE
FORT WALTON BEACH
GAINESVILLE
JACKSONVILLE - ATLANTIC
JACKSONVILLE - SAN JOSE

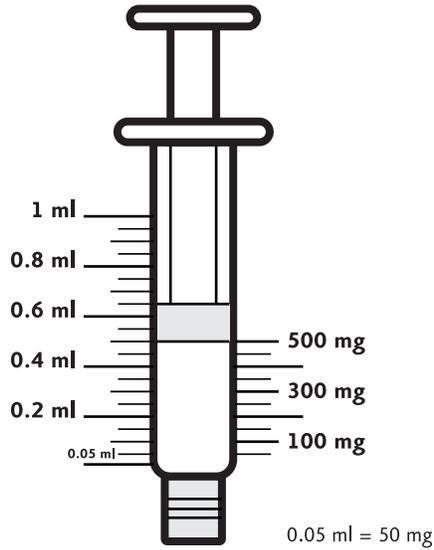
KENDALL
LAKE WORTH
LAKELAND
MELBOURNE
NEW PORT RICHEY
NORTH MIAMI BEACH
ORLANDO - COLONIAL DR
ORLANDO - ORANGE AVE
PANAMA CITY
ST. PETERSBURG
TALLAHASSEE
TAMPA

FOR A FULL LIST OF DISPENSARY ADDRESSES HEAD TO [GETFLUENT.COM/DISPENSARIES](https://www.getfluent.com/dispensaries)

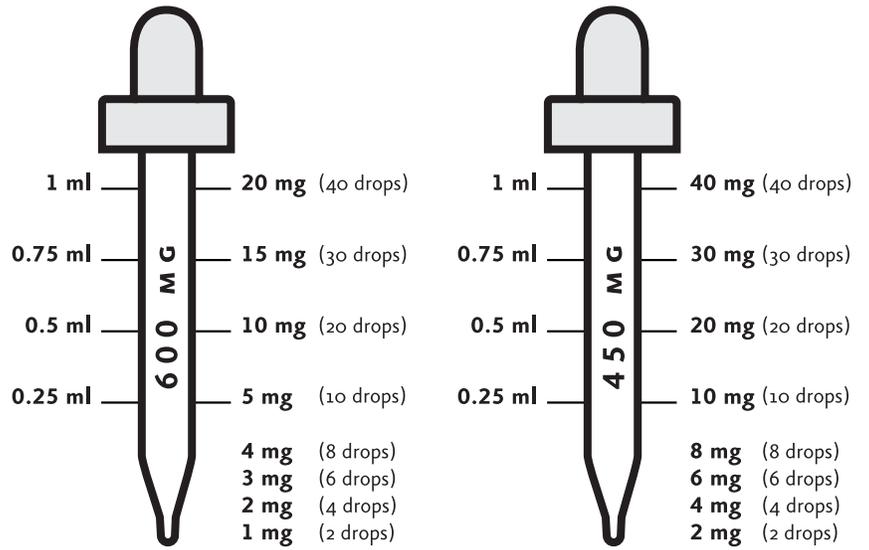
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CANNABIS CARE

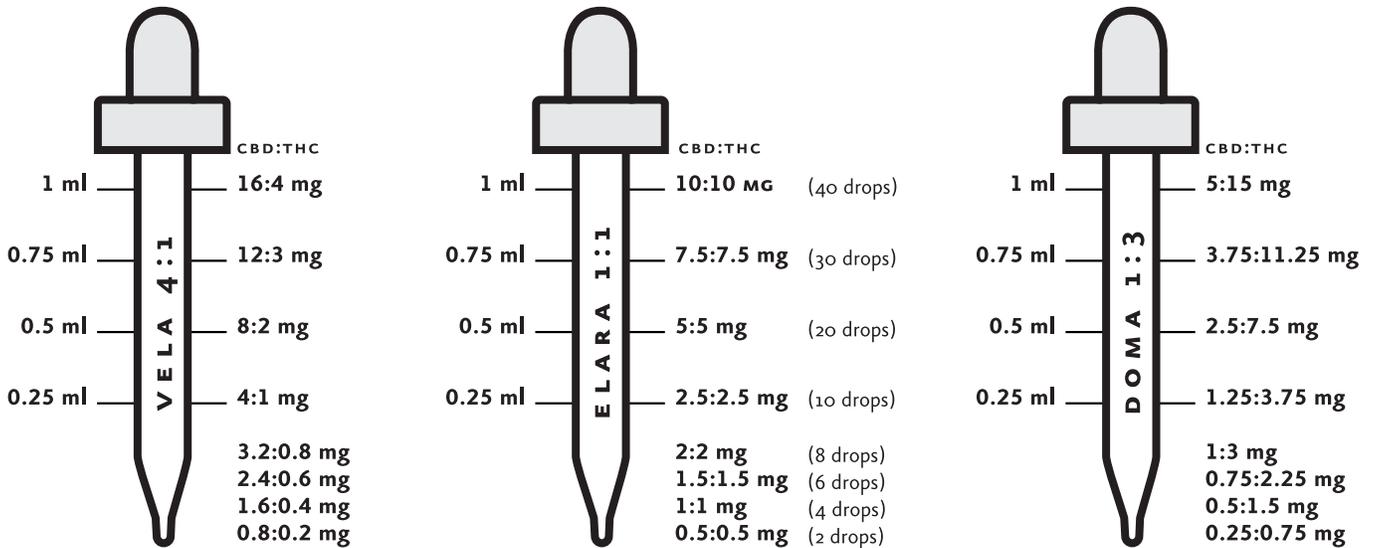
SYRINGE - THC



DROPPER - THC



DROPPER - BLENDS



UNITS OF MEASURE

PRODUCT PRESENTATION	UNITS	TOTAL UNITS PER PRODUCT
600 mg cartridge	~ 2 mg per inhalation	~300 inhalations per cartridge
300 mg cartridge	~1 mg per inhalation	~300 inhalations per cartridge
450 mg cartridge	~3 mg per inhalation	~150 inhalations per cartridge
600 mg drops	~0.5 mg per drop	~1200 drops per bottle
450 mg drops	~1 mg per drop	~450 drops per bottle
600 mg capsules	~10 mg per capsule	60 capsules per bottle
300 mg suppositories	~30 mg per suppository	10 suppositories per package
500 mg syringe	~50 mg per 0.05 ml	~ 10 doses (0.05 ml) per syringe
600 mg cream	~5 mg per finger tip unit	~ 120 finger tip units per jar

LEARN MORE AT [GETFLUENT.COM](https://www.getfluent.com)

WE SPEAK CANNABIS

GETFLUENT.COM

+1 (833) 735.8368

INFO@GETFLUENT.COM

LET'S GET SOCIAL
FOLLOW US ON:



GrowHealthy Strain Guide

Balance HYBRID

Grape Stomper (GRST)
 Queso Perro (QSPQ)
 White 99 (WT99)
 Stardawg (STDG)
 Durban Dawg (DBSD)
 Good Dawg (GMSD)
 Frütful Watermelon (WTML)
 99 Valleys (99VA)

Purple Elephant x Chemdawg Sour Diesel
 Stardawg x UK Cheese
 The White x Cinderella 99
 Chemdog 4 x Tres Dawg
 Durban x Stardawg
 Good Medicine X Stardawg
 THC Blend x Fruit-derived terpenes
 99 Problems x Silicon Valley OG

	DEPRESSION	STRESS	PAIN	LACK OF APPETITE	HEADACHES	MUSCLE SPASMS	SPASTICITY	INFLAMMATION	INSOMNIA	NAUSEA	ANXIETY	FATIGUE
Purple Elephant x Chemdawg Sour Diesel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Stardawg x UK Cheese	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
The White x Cinderella 99	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Chemdog 4 x Tres Dawg	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Durban x Stardawg	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Good Medicine X Stardawg	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
THC Blend x Fruit-derived terpenes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
99 Problems x Silicon Valley OG	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Body INDICA

Bubba Kush (BUBK)
 Wookie Girl (WGRL)
 Silicon Valley OG (SVOG)
 Brick House (BRKH)
 Emerald City Kush (EMCK)
 Frütful Blueberry (BBRY)
 Mikan (MKAN) Mandarin Sunset Phenotype* 1
 Kinno (KNNO) Mandarin Sunset Phenotype* 2
 Mandelo (MDLO) Mandarin Sunset Phenotype* 3
 Citrus Slice (CTSL) Mandarin Sunset Phenotype* 4
 Master Grower Series™ Mandarin Sunset (MNSN)
 Master Grower Series™ Florida Keys (FKLS)
 Duck Key (DCKY) Florida Keys Phenotype* 1
 Islamorada (ISMD) Florida Keys Phenotype* 5
 Big Pine Key (BPKY) Florida Keys Phenotype* 8
 Key Largo (KYLK) Florida Keys Phenotype* 9

Hindu Kush x OG Kush
 Girl Scout Cookies x The White
 Valley Girl x Stardawg
 Ghost Train Haze x Oz Kush Bx1
 Triangle Kush x Oz Kush Bx1
 THC Blend x Fruit-derived terpenes
 Herijuana x Orange Skunk
 Bubba Kush x Key Lime Mints
 Bubba Kush x Key Lime Mints

	DEPRESSION	STRESS	PAIN	LACK OF APPETITE	HEADACHES	MUSCLE SPASMS	SPASTICITY	INFLAMMATION	INSOMNIA	NAUSEA	ANXIETY	FATIGUE
Hindu Kush x OG Kush	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Girl Scout Cookies x The White	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Valley Girl x Stardawg	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ghost Train Haze x Oz Kush Bx1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Triangle Kush x Oz Kush Bx1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
THC Blend x Fruit-derived terpenes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Herijuana x Orange Skunk	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Herijuana x Orange Skunk	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Herijuana x Orange Skunk	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Herijuana x Orange Skunk	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Herijuana x Orange Skunk	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bubba Kush x Key Lime Mints	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bubba Kush x Key Lime Mints	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bubba Kush x Key Lime Mints	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bubba Kush x Key Lime Mints	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bubba Kush x Key Lime Mints	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Mind SATIVA

99 Problems (99PR)
 Birds of Paradise (BIRD)
 Strawberry Haze (SBHZ)
 Jilly Bean (JLBN)
 Frütful Brazilian Orange (ORNG)
 Yellow Brick Road (YBRD)
 Blue Coffin (BCFN)

White 99 x Stardawg
 Kali Snapple x Blue Heron
 Strawberry Cough x Super Silver Haze
 Space Queen x Orange Velvet
 THC Blend x Fruit-derived terpenes
 Ghost Train Haze x Oz Kush Bx1
 Blue Heron x Fort Collins Cough

	DEPRESSION	STRESS	PAIN	LACK OF APPETITE	HEADACHES	MUSCLE SPASMS	SPASTICITY	INFLAMMATION	INSOMNIA	NAUSEA	ANXIETY	FATIGUE
White 99 x Stardawg	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Kali Snapple x Blue Heron	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Strawberry Cough x Super Silver Haze	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Space Queen x Orange Velvet	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
THC Blend x Fruit-derived terpenes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ghost Train Haze x Oz Kush Bx1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Blue Heron x Fort Collins Cough	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Relief 1:1

Frütful Mint & Lime (MILI)

THC Blend x Fruit-derived terpenes

	DEPRESSION	STRESS	PAIN	LACK OF APPETITE	HEADACHES	MUSCLE SPASMS	SPASTICITY	INFLAMMATION	INSOMNIA	NAUSEA	ANXIETY	FATIGUE
Frütful Mint & Lime (MILI)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

CBD+ HIGH CBD

Afghan Rubi (AFRB)
 Frütful Banana (BNNA)

Rubicon x Pure Afghan
 THC Blend x Fruit-derived terpenes

	DEPRESSION	STRESS	PAIN	LACK OF APPETITE	HEADACHES	MUSCLE SPASMS	SPASTICITY	INFLAMMATION	INSOMNIA	NAUSEA	ANXIETY	FATIGUE
Afghan Rubi (AFRB)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Frütful Banana (BNNA)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

*Cannabis phenotypes share the same genetic cross but have varying characteristics resulting from different environmental factors during cultivation, such as light. The information on this insert may be used as an educational aid. This information does not cover all possible uses, precautions, side-effects, or interactions of this medicine. These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

MÜV Topicals		PACKAGE CONTENT	APPROX. THC CONTENT	APPROX. CBD CONTENT	CURRENT PRICE*	NOTES
	Pain Relief Cream	50 mL	200 mg	200 mg	\$65.00	
	Sports Gel	50 mL	100 mg	100 mg	\$40.00	
	Hydrating Lotion	50 mL	60 mg	60 mg	\$20.00	

MÜV Transdermal Patches		PACKAGE CONTENT	APPROX. THC CONTENT	APPROX. CBD CONTENT	CURRENT PRICE*	NOTES
	CBD Formulation	.5 g		20 mg	\$15.00	
	THC Formulation	.5 g	20 mg		\$15.00	
	1:1 Formulation	.5 g	10 mg	10 mg	\$15.00	

MÜV Metered Dose Inhaler		PACKAGE CONTENT	APPROX. THC CONTENT	APPROX. CBD CONTENT	CURRENT PRICE*	NOTES
	THC Inhaler	400 mg	400 mg		\$50.00	
	1:1 Inhaler	400 mg	200 mg	200 mg	\$50.00	

MÜV EVOLVE Transdermal Gel		PACKAGE CONTENT	APPROX. THC CONTENT	APPROX. CBD CONTENT	CURRENT PRICE*	NOTES
	EVOLVE CBD Gel	5 mL		500 mg	\$65.00	
	EVOLVE THC Gel	5 mL	500 mg		\$65.00	
	EVOLVE 1:1 Gel	5 mL	250 mg	250 mg	\$65.00	

MÜV Vape Products		PACKAGE CONTENT	APPROX. THC CONTENT	APPROX. CBD CONTENT	CURRENT PRICE*	NOTES
	Dart Pod (THC)	500 mg	375 mg		\$50.00	Requires a Dart battery.
	Dart Pod (High CBD)	500 mg	200 mg	200 mg	\$50.00	
	PÜRE Vape (Indica, Sativa, Hybrid)	500 mg	400 mg		\$50.00	
	PÜRE Vape (High CBD)	500 mg	200 mg	200 mg	\$50.00	
	MÜV Plus Cartridge	500 mg	400 mg		\$50.00	Rotating menu of MÜV strains.
	All-in-One Vape	300 mg	230 mg		\$35.00	Plus and All-in-One use same strains. Plus and Pure use same 510 battery.

MÜV Concentrates		PACKAGE CONTENT	APPROX. THC CONTENT	APPROX. CBD CONTENT	CURRENT PRICE*	NOTES
	Shatter	1 gram	750 mg		\$65.00	
	Live Rosin	1 gram	1000 mg		\$85.00	
	Crumble	1 gram	750 mg		\$65.00	
	Distillate Syringe	1000 mg	750 mg		\$70.00	
	RSO Syringe	1000 mg	600 mg		\$55.00	

MÜV Oral Ingestibles		PACKAGE CONTENT	APPROX. THC CONTENT	APPROX. CBD CONTENT	CURRENT PRICE*	NOTES
	Sublingual Tincture CBD	30 mL		300 mg	\$40.00	
	Sublingual Tincture THC	30 mL	300 mg		\$40.00	
	Sublingual Tincture 1:1	30 mL	150 mg	150 mg	\$40.00	
	RSO Strain Specific Tincture	30 mL	600 mg		\$65.00	
	Oral Spray THC	15 mL	250 mg		\$25.00	
	RSO EnCaps Capsules	30 capsules	750 mg*		\$80.00	25 mg THC / capsule
	THC EnCaps Capsules	30 capsules	300 mg		\$45.00	10 mg THC / capsule
	1:1 THC/CBD EnCaps Capsules	30 capsules	300 mg	300 mg	\$70.00	10 mg THC & 10 mg CBD / capsule

Edibles		PACKAGE CONTENT	APPROX. THC CONTENT	APPROX. CBD CONTENT	CURRENT PRICE*	NOTES
Wana Soft Chews	Blueberry(I), Mango(S), Watermelon(H)	10 pieces	100 mg		\$25.00	10 mg THC / piece
	Strawberry Lemonade (1:1)	10 pieces	100 mg	100 mg	\$25.00	10 mg THC, 10mg CBD / piece
MÜV Lozenges	Green Apple, Orange	10 pieces	100 mg		\$20.00	10 mg THC / piece
	Wildberry (1:1)	10 pieces	50 mg	50 mg	\$20.00	5 mg THC, 5mg CBD / piece
	MÜV Chocolates (Dark & Milk)	10 pieces	100 mg		\$25.00	10 mg THC / piece

MÜV Flower		PACKAGE CONTENT	APPROX. THC CONTENT	APPROX. CBD CONTENT	CURRENT PRICE*	NOTES
	3-Pack Pod Vaporizer Cups	3.5 grams	Varies by strain	Varies by strain	\$55.00	
	3.5 Gram Premium Cannabis Flower	3.5 grams	Varies by strain	Varies by strain	Tier 1: \$50 Tier 2: \$40 Tier 3: \$32	
	1 Gram Pre-roll	1 gram	Varies by strain	Varies by strain	\$12.00	

TERPENES SUMMARY TABLE

	EFFECTS	AROMA	STRAINS	
Myrcene	<ul style="list-style-type: none"> Anti-inflammatory Anti-bacterial Anti-fungal Anti-septic Pain relief Sedative Muscle relaxant 	<ul style="list-style-type: none"> Musky Herbal Earthy Hoppy 	<ul style="list-style-type: none"> Chemdawg Northern Lights Kush Group Sirius Lemon Bubba Pootie Tang 	<ul style="list-style-type: none"> Blue Dream Grape Ape Strawberry Cough Triangle Kush Pillow Factory
Limonene	<ul style="list-style-type: none"> Anti-depressant Anti-anxiety Anti-fungal Anti-bacterial Improves mood Relieves nausea 	<ul style="list-style-type: none"> Citrus Lemon Orange 	<ul style="list-style-type: none"> Tangerine Dream OG group Forum Cut Cookies Pootie Tang Sirius Lemon Bubba 	<ul style="list-style-type: none"> Black Fire Florida-195 Headband Triangle Kush Pillow Factory
Pinene	<ul style="list-style-type: none"> Anti-inflammatory Bronchodilator Boosts energy Improves focus 	<ul style="list-style-type: none"> Pine Dill Slightly woody 	<ul style="list-style-type: none"> Jack Herer Banana Hammock Kush Group Lemon Bubba 	<ul style="list-style-type: none"> Strawberry Cough Blue Dream
Linalool	<ul style="list-style-type: none"> Anti-anxiety Anti-depressant Anti-bacterial Anti-convulsant Muscle relaxant Pain relief Sedative 	<ul style="list-style-type: none"> Floral Citrus 	<ul style="list-style-type: none"> Sour Diesel Headband OG Group Banana Hammock Rainmaker 	<ul style="list-style-type: none"> GG #4 Pootie Tang
Caryophyllene The only Terpene that has the ability to activate CB2 receptors within the Endocannabinoid System	<ul style="list-style-type: none"> Anti-depressant Anti-anxiety Anti-oxidant Anti-inflammatory Anti-convulsant Pain relief Muscle spasms Insomnia 	<ul style="list-style-type: none"> Peppery Spicy Earthy Woody Cloves 	<ul style="list-style-type: none"> Forum Cut Cookies Kush Group Chemhund Fairy Godmother White Chem Florida I-95 GG #4 Pillow Factory 	<ul style="list-style-type: none"> Black Fire Pootie Tang Sour Jack Tangerine Dream The White Strawberry Cough Triangle Kush
Humulene	<ul style="list-style-type: none"> Anti-inflammatory Anti-bacterial Pain relief Appetite suppressant Anti-fungal 	<ul style="list-style-type: none"> Hoppy Earthy Woody Herbal 	<ul style="list-style-type: none"> GG #4 Kush Group Chemhund Fairy Godmother Pootie Tang 	<ul style="list-style-type: none"> White Chem Banana Hammock Florida I-95 Gelato
Terpineol	<ul style="list-style-type: none"> Anti-anxiety Anti-inflammatory Anti-oxidant Sedative 	<ul style="list-style-type: none"> Floral Lilac Lemon 	<ul style="list-style-type: none"> Jack Herer OG Group Forum Cut Cookies White Chem 	

The Cannabis Healing Chart

Therapeutic Uses of Cannabinoids



Medical Benefit

	THC	CBD	CBG	CBN	CBC	THCV	THCA	CBDA
Relieves Pain	●	●			●	●	●	
Suppresses Appetite					●		●	
Kills or Slows Bacteria Growth			●	●	●			
Reduces Blood Sugar Levels			●					
Reduces Vomiting and Nausea	●	●						●
Reduces Seizures and Convulsions		●					●	●
Reduces Inflammation	●	●	●			●		●
Aids Sleep	●				●			
Reduces Risk of Artery Blockages			●					
Inhibits Tumor/Cancer Growth	●	●	●			●		●
Nervous System Protectant	●	●						
Suppresses Muscle Spasms	●	●			●			●
Relieves Anxiety	●	●	●			●	●	
Stimulates Appetite	●							
Modulates the Immune System			●					
Reduces Spasms in Small Intestine			●					●
Tranquilizing and Antipsychotic			●					



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Bonita Springs, FL 34135

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bonitasprings@risecannabis.com

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308 N. Federal Highway

Hallandale Beach, FL 33009

561-440-2360

hallandale@risecannabis.com

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6999 US Highway 19 N.

Pinellas Park, FL 33781

727-275-1933

pinellaspark@risecannabis.com

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West Palm Beach, FL 33401

561-448-0020

westpalmbeach@risecannabis.com

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LOYALTY PROGRAM

100 POINTS = \$3

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1000 POINTS = \$30

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RISE

**PINELLAS PARK/HALLANDALE BEACH/
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MONDAY - FRIDAY 10AM - 7PM

SATURDAY 10AM - 6PM

**DEERFIELD BEACH/BONITA
SPRINGS/OVIEDO:**

MONDAY - FRIDAY 10AM - 7PM

SATURDAY 10AM - 6PM

SUNDAY 12PM - 5PM



Sanctuary

FIND YOUR SANCTUARY

OUR LOCATIONS

ORLANDO

5381 International Drive Orlando, FL 32819

(321) 352-7316

Email: orlando@sanctuarymed.com
(Coming Soon)

JUPITER

Opening Spring 2021

ST. PETERSBURG

Opening Spring 2021



Sanctuary Medicinals

Providing the highest quality medicine, service, and education to qualified Florida medical marijuana patients.

How to Become a Patient at Sanctuary Medicinals

To prepare for your first visit to Sanctuary Medicinals, there are a few steps you need to take.

01

FIND A MEDICINAL CANNABIS DOCTOR

Florida requires that a doctor be certified by the state to provide an "order" for a patient to obtain medical marijuana. If your primary care doctor is not certified, you will need to find doctor who is certified. Please call Sanctuary Medicinals and our staff will help locate a doctor for you. Additionally, the Office of Medical Marijuana Use website has a Medical Marijuana qualified physician search tool. Once a doctor has placed the order for Medical Marijuana, you can move on to the next step.

Pediatric patients need to have TWO doctor recommendations. For more information, please visit : www.sanctuarymed.com

02

REGISTER WITH THE STATE

The doctor that certified you for the Florida Medical Use of Marijuana program will give you a registration number. This number will be used to complete the medical marijuana online system registration process. To register online visit:

www.ommuregistry.flhealth.gov

Once you have finished registration and you have been approved by the OMMU, you will receive your Medical Use of Marijuana Program Identification Card in the mail.

For additional questions or information on the registration process, including requesting paper forms, please call your doctor or visit: www.sanctuarymed.com

03

VISIT SANCTUARY MEDICINALS

Bring your state issued Medical Use of Marijuana Program ID card and another form of government-issued identification (driver's license, passport) to Sanctuary Medicinals. One of our Patient Care Advisors will work with you one-on-one to help you find the best products suited for your needs.

Our Products

We carry a wide range of products to accommodate individual needs and preferences. Please visit www.sanctuarymed.com or our dispensary for the latest menu.



FLOWER

Sativa, Indica, Hybrid, and CBD



TINCTURES

Strain and dosage specific with varying potencies



EDIBLES

Gummies, Chocolate, Gel Caps, and more



TOPICALS

Salve, Oils, and Transdermal Gels



CONCENTRATES

Vape Cartridges, Shatter, Crumble, and more

Services

STAFF & RESOURCES

We encourage you to ask questions and interact with our staff when you visit Sanctuary Medicinals. Our patient care advisors are well-trained and extremely knowledgeable about medical cannabis. We welcome your questions you may have and will be happy to guide you towards products that might suit your needs.

PATIENT CONSULTATIONS

While drop in visits and on-the-spot discussions with our staff are most common, we do offer appointments for longer discussions. To schedule an appointment, please email us at orlando@sanctuarymed.com or call us at **(321) 352-7316**

FINANCIAL HARDSHIP PROGRAM

Patients may be eligible for reduced pricing if they are enrolled in SSI, SSDI, Medicaid, and/or have a verified financial hardship. Please speak with a staff member at our location, email us, or call us for more information on how to apply. Sanctuary Medicinals reserves the right to limit the amount of discounted product sold to financial hardship participants and to adjust the discount parameters of the program.

TRANSLATION & INTERPRETATION SERVICES

If one of our staff members does not speak your language, we will utilize a translation service to ensure effective communication. We also provide accommodations for the blind/visually impaired and deaf/hard of hearing.

Types & Effects of Cannabis

Cannabis has been used for medicinal purposes for many years. Mature cannabis plants contain many different cannabinoids that give the user physical and/or psychotropic effects. Each strain or variety of cannabis has a different cannabinoid profile with varying strengths. Sanctuary Medicinals produces many different strains of medical marijuana to ensure individual can find a product that suits their needs.

TETRAHYDROCANNABINOL (THC)

This was the first cannabinoid identified. The therapeutic effects of THC have been well documented as a result. THC is known to produce the "high" effect associated with cannabis.

CANNABIDIOL (CBD)

CBD is another well-known cannabinoid. It has gained attention for its medicinal benefits but provides little to no "high." Sanctuary Medicinals offers a many of CBD products in varying strengths.

For more information about the benefits of specific cannabinoids, please see the chart on the next page.

FACTORS TO CONSIDER

Everyone has different experiences using medical cannabis. There are a number of factors that impact the effect you feel including:

- ✓ Dosage (amount used)
- ✓ Strain or type of cannabis
- ✓ Environment/setting
- ✓ Delivery systems
- ✓ Mood or mindset
- ✓ Experience/history of cannabis use

Limited Psychoactive Effects

Sanctuary Medicinals understands many patients are looking for products that provide limited psychoactive effects. We offer several products with little to no psychoactive effects including flower, vaporizers, capsules, and tinctures.

THC-A

THC-A is the main non-psychoactive cannabinoid in raw cannabis. It converts to THC when heated, smoked, or vaporized. THC-A has been reported to help with inflammation, seizures, and muscle spasms.

CBD-DOMINANT

CBD products are reported to be helpful in treating many conditions while producing very little to no psychoactive effects. It has been used for anxiety, pain, seizures, and inflammation.

CBD:THC 1:1

A one-to-one ratio of CBD and THC offers both CBD and THC. These products offer a balance of psychoactive and non psychoactive effects that many patients find are helpful.

In addition to the products listed above, there are other products at Sanctuary Medicinals with similar ratios. Talk with your Patient Care Advisor on your next visit to learn more about these products.

Cannabinoids

Potential medical uses	THC	CBD	CBG	CBN	CBC	THCv	THC	CBDa	
Relieves Pain	●	●			●	●	●		
Suppresses Appetite							●		
Kills or Slows Bacterial Growth		●	●	●					
Reduces Blood Sugar Levels		●							
Reduces Nausea & Vomiting	●	●						●	●
Reduces Seizures & Convulsions		●					●	●	
Reduces Inflammation	●	●	●			●		●	●
Aids Sleep	●				●				
Reduces Risk of Artery Blockage		●							
Inhibits Tumor Growth/Cancer Cells	●	●	●			●		●	●
Nervous System Protectant	●	●							
Suppresses Muscle Spasms	●	●			●			●	
Relieves Anxiety	●	●	●			●	●		
Stimulates Appetite	●								
Modulates the Immune System		●							
Reduces Spasms in the Small Intestines		●						●	
Tranquilizing/Antipsychotic		●							

Strain Types

Cannabis strains can be divided into four categories: sativa, indica, hybrid and high CBD. Sativa & indica strains originate from different geographic locations. They have distinct characteristics in appearance and growth cycle. More importantly, the two types of cannabis can have very different effects on the human body. Strains are bred to maximize/minimize specific traits and effects, and hybrid strains are created when genetics from both sativas and indicas are joined together.

SATIVA

Sativa strains tend to provide uplifting and energizing effects that are good for daytime use. Patients seeking medicine that offers pain relief and encourages physical activity, increased energy, and creativity may prefer sativa strains. Sativas can also help alleviate anxiety and depression, promoting a sense of well-being.

INDICA

They are also effective indica strains are known for relaxing the body and mind. Indica strains are helpful for patients looking to manage pain, insomnia, anxiety, and stress - especially in the evenings. Indica strains also help relieve intraocular pressure. The full-body sedating effects of indicas are best for those with chronic pain and issues with sleep. They are also effective in stimulating appetite and reducing nausea.

HYBRID

Hybrid strains are crossbred strains of cannabis that have genetics from both sativa and indica strains. Their traits depend on what is inherited from parent strains. Hybrid strains are generally categorized as sativa-dominant, indica-dominant, or balanced (50/50) hybrid.

HIGH-CBD

High-CBD strains are reported to be helpful in treating a number of conditions while producing little to no psychoactive effects. These strains can be an indica, sativa, or hybrid. Strains are specifically bred for high-CBD content, therefore maximizing medicinal benefits. CBD may be helpful in treating pain, inflammation, and anxiety.

Speak with a Patient Care Advisor to learn about our strains, understand their different effects, and find the medicine that may be best for your needs.

Delivery and Dosage

INHALATION

The most common method patients use is inhalation. When inhaled, cannabinoids enter into the lungs and are then passed directly into your blood stream. This enables quick onset, making proper dosing easier than other methods.

1. Vaporizing

Vaporizers are devices that heat cannabis to a specific temperature, below its ignition or combustion point. Due to the fact that there is no combustion occurring, vaping is a much safer alternative to smoking. The temperature range used is 338-390 degrees Fahrenheit. This releases cannabinoids as a vapor without producing smoke. Vaporizing also causes little to no irritation to the throat or lungs.

Dosage

Vaporizing may require up to twice as much dry cannabis flower to deliver the same effect as other delivery methods. However vaping can be more efficient than smoking so some patients may actually use less.

If using a concentrate, much less is required. Concentrates provide a higher dosage. For example, 0.1g of wax might provide 65mg of cannabinoids.

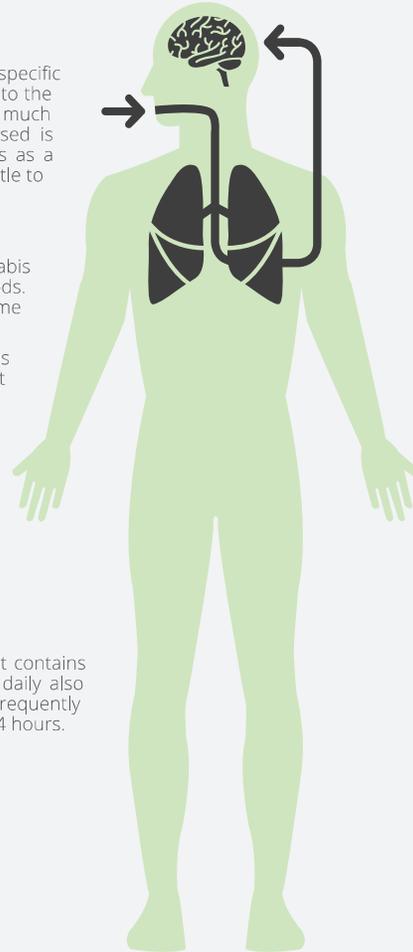
2. Smoking

Smoking is the classic method of cannabis delivery. This is done by smoking cannabis in rolled paper, pipes, or water pipes. Smoking provides patients with controllable and readily available effects which means that many patients can slowly increase their dose to achieve symptom relief.

Dosage

The amount used while smoking varies. The average joint contains 0.5g to 1 gram of cannabis. The average amount used daily also varies from 0.5g to 1g or more. Smoking is done frequently throughout the day as the duration of its action can be 2-4 hours.

ONSET: 5-10 MINUTES
DURATION: 2-4 HOURS



INGESTION

Another popular way to consume cannabis is through ingesting it in edible form. When cannabis is ingested, cannabinoids are metabolized by the liver, which strengthens both the effects and duration of the medicine. Eating or ingesting cannabis usually leads to a longer, stronger, and much more physical effect than smoking. Due to the longer and slower release of cannabinoids, ingestions may be a better choice for chronic conditions that require a maximum dose. The ability to control the effects (titrate) is more difficult than inhalation because of the variability of digestion.

Dosage

Start low and go slow! Wait at least two hours to assess the effects before increasing the amount of cannabis consumed, and remember that an empty stomach can significantly affect the time it can take for the cannabis to take effect.

If the effects are too strong, drink water and find a safe and comfortable place to rest. It may take some time but the effects will pass.

ONSET: 1-2 HOURS
DURATION: 6-8 HOURS

SUBLINGUAL

Some cannabis products are designed for sublingual consumption, including tinctures. "Sublingual" refers to the tissue under the tongue, an area where cannabinoids can enter directly into the bloodstream. Dosing can be easily managed through this discreet, and very effective delivery method.

Dosage

The amount needed will depend on the tincture. Patients should start with a few drops and increase it as needed. Typically one dropper full is considered a dose. One dropper is equal to 1 mL.

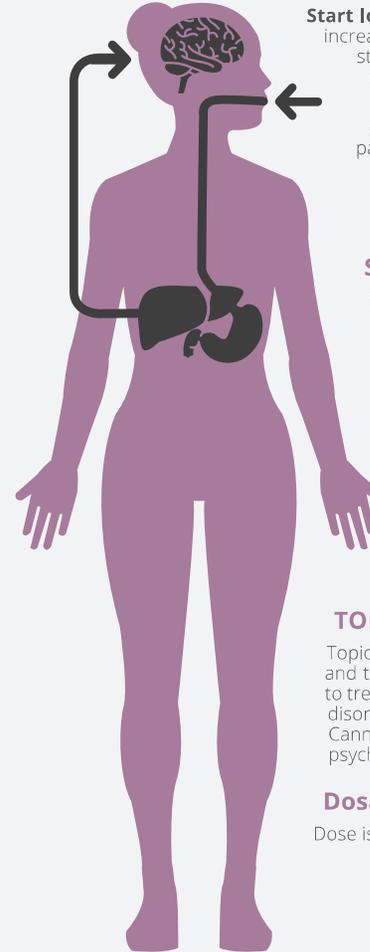
ONSET: 5-30 MINUTES
DURATION: 1-6 HOURS

TOPICALS

Topicals consist mostly of non-psychoactive, cannabis-infused salves, oils, and transdermal gels. Patients apply these products directly onto their skin to treat localized pain, muscle soreness, and inflammation. Patients with skin disorders or peripheral pain disorders do well with topical cannabis. Cannabinoids are absorbed through the skin and do not result in psychoactive effects.

Dosage

Dose is a function of an area to be covered. Topicals can be used as needed.



DOSING YOUR PATIENTS

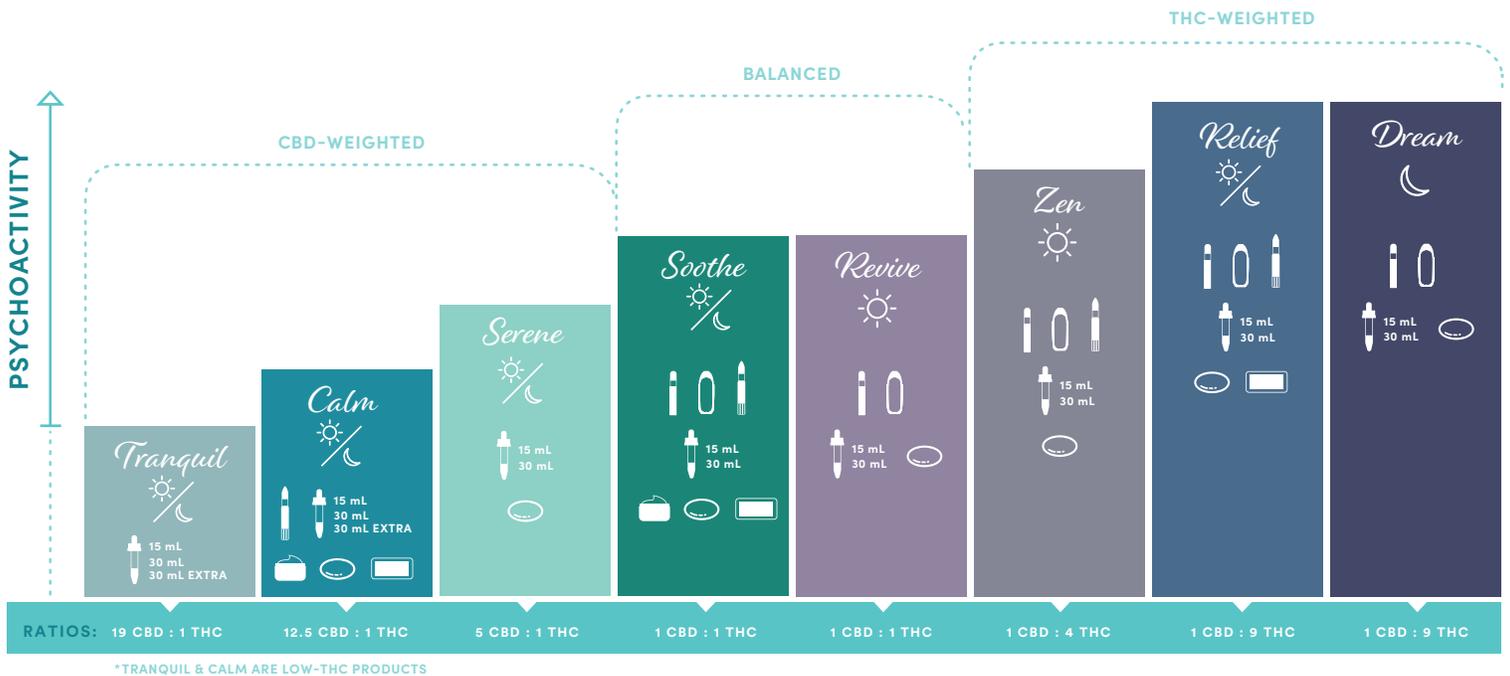
To determine which product is most beneficial for your patients, consider these two things:

1 PATIENT TOLERANCE

For patients with little to no cannabis experience, start with the smallest dose within the recommended product families and slowly increase as necessary as they adjust to the effects. For patients with more cannabis experience, it may be possible to start with a higher dose and increase until the patient reaches the desired state.

2 DESIRED PSYCHOACTIVITY

For patients who do not want to experience psychoactive effects, products with a high-CBD, low-THC cannabinoid ratio are recommended. For patients who would benefit from more psychoactive effects, products with a balanced or THC-weighted cannabinoid ratio are recommended.



INTAKE METHODS

VAPORIZER PEN
0.3 mL

- Typical Onset Time: 2 - 10 Min.
- Average Duration: 3 - 4 Hrs.

VAPORIZER PODS
0.5 mL

- Typical Onset Time: 5 - 10 Min.
- Average Duration: 3 - 4 Hrs.

PURE RESERVE OIL
1.2 mL

- Typical Onset Time: 30 - 60 Min.
- Average Duration: 6 - 8 Hrs.

TINCTURE OIL
15 mL

- Typical Onset Time: 30 - 60 Min.
- Average Duration: 6 - 8 Hrs.

LOTION
50 mL

- Typical Onset Time: 10 - 15 Min.
- Average Duration: 4 - 6 Hrs.

THERAGELS
20 ct

- Typical Onset Time: 30 - 60 Min.
- Average Duration: 6 - 8 Hrs.

PATCH
SINGLE: 20 mg

- Typical Onset Time: 45 Min. - 1.5 Hrs.
- Average Duration: 8 - 12 Hrs.

TINCTURE OIL
30 mL
30 mL EXTRA STRENGTH

- Typical Onset Time: 30 - 60 Min.
- Average Duration: 6 - 8 Hrs.



KNOW WHAT YOU ARE RECOMMENDING:

The active ingredient for low-THC cannabis is cannabidiol, or CBD. The active ingredient for medical marijuana is tetrahydrocannabinol, or THC. Each Surterra Wellness product family has its own unique cannabinoid (CBD:THC) ratio and terpene profile.

WHEN ENTERING DOSES INTO THE REGISTRY:

For products that are classified as low-THC, enter the number of CBD MG per dose. For products that are classified as Medical Marijuana, enter the number of THC MG per dose. The suggested starting dose on the chart shows the suggested starting dose for each product. Use this when recommending how many doses per day your patient should take.

LOW-THC PRODUCTS:

- Tranquil
- Calm

MEDICAL MARIJUANA PRODUCTS:

- Serene
- Soothe
- Zen
- Relief
- Revive
- Dream

For questions on our products, dosing or the registry please contact us at (850) 391-5455

SURTERRAWELLNESS.COM

FAMILY (CBD:THC RATIO)	SKU	SUGGESTED STARTING DOSE			PER PRODUCT UNIT			SRP \$
		CBD (mg)	THC (mg)	TOTAL (mg)	CBD (mg)	THC (mg)	TOTAL (mg)	
Tranquil 19 CBD : 1 THC	TINCTURES (15 ML)	9.50	0.50	10	285	15	300	\$ 40
	TINCTURES (30 ML)	9.50	0.50	10	570	30	600	\$ 75
	TINCTURES EXTRA STRENGTH (30 mL)	9.50	0.50	10	1282.50	67.50	1350	\$ 150
Calm 12.5 CBD : 1 THC (THERAGELS 9 : 1)	TINCTURES (15 ML)	9.25	0.75	10	277.78	22.22	300	\$ 40
	TINCTURES (30 ML)	9.25	0.75	10	555.56	44.44	600	\$ 75
	TINCTURES EXTRA STRENGTH (30 mL)	9.25	0.75	10	1250	100	1350	\$ 150
	PRO	N/A	N/A	N/A	833.33	66.67	900	\$ 75
	LOTION	N/A	N/A	N/A	333.33	26.67	360	\$ 60
	THERAGELS 9 : 1 (20 UNITS)	9	1	10	180	20	200	\$ 40
	PATCH (1 UNIT)	18.52	1.48	20	18.52	1.48	20	\$ 10
Serene 5 CBD : 1 THC (THERAGELS 4 : 1)	TINCTURES (15 mL)	8.30	1.70	10	250	50	300	\$ 40
	TINCTURES (30 mL)	8.30	1.70	10	500	100	600	\$ 75
	THERAGELS 4 : 1 (20 UNITS)	8	2	10	160	40	200	\$ 40
Soothe 1 CBD : 1 THC	DISPOSABLE VAPE	2.50	2.50	5	125	125	250	\$ 30
	VAPORIZER PODS	2.50	2.50	5	207.50	207.50	415	\$ 50
	TINCTURES (15 mL)	2.50	2.50	5	150	150	300	\$ 40
	TINCTURES (30 mL)	2.50	2.50	5	300	300	600	\$ 75
	LOTION	N/A	N/A	N/A	180	180	360	\$ 60
	THERAGELS (20 UNITS)	5	5	10	100	100	200	\$ 40
	PATCH (1 UNIT)	10	10	20	10	10	20	\$ 10
Zen 1 CBD : 4 THC	DISPOSABLE VAPE	1	4	5	50	200	250	\$ 30
	VAPORIZER PODS	1	4	5	83	332	415	\$ 50
	TINCTURES (15 mL)	1	4	5	60	240	300	\$ 40
	TINCTURES (30 mL)	1	4	5	120	480	600	\$ 75
	PRO	N/A	N/A	N/A	180	720	900	\$ 75
	THERAGELS (20 UNITS)	2	8	10	40	160	200	\$ 40
	Relief 1 CBD : 9 THC	DISPOSABLE VAPE	0.50	4.50	5	25	225	250
VAPORIZER PODS		0.50	4.50	5	41.50	373.50	415	\$ 50
TINCTURES (15 mL)		0.50	4.50	5	30	270	300	\$ 40
TINCTURES (30 mL)		0.50	4.50	5	60	540	600	\$ 75
PRO		N/A	N/A	N/A	90	810	900	\$ 75
THERAGELS (20 UNITS)		1	9	10	20	180	200	\$ 40
PATCH (1 UNIT)		2	18	20	2	18	20	\$ 10
Revive 1 CBD : 1 THC	DISPOSABLE VAPE	2.50	2.50	5	125	125	250	\$ 30
	VAPORIZER PODS	2.50	2.50	5	207.50	207.50	415	\$ 50
	TINCTURES (15 mL)	2.50	2.50	5	150	150	300	\$ 45
	TINCTURES (30 mL)	2.50	2.50	5	300	300	600	\$ 75
	THERAGELS (20 UNITS)	5	5	10	100	100	200	\$ 40
Dream 1 CBD : 9 THC	DISPOSABLE VAPE	0.50	4.50	5	25	225.00	250	\$ 30
	VAPORIZER PODS	0.50	4.50	5	41.50	373.50	415	\$ 50
	TINCTURES (15 mL)	0.50	4.50	5	30	270	300	\$ 45
	TINCTURES (30 mL)	0.50	4.50	5	60	540	600	\$ 75
	THERAGELS (20 UNITS)	1	9	10	20	180	200	\$ 40

*TRANQUIL & CALM ARE LOW-THC PRODUCTS

DART HIGH-PERFORMANCE BATTERY: \$50.00

DART HIGH-PERFORMANCE BATTERY WITH POD: \$70.00

CANNABIS INTAKE METHODS

Learn more at [surterrawellness.com](https://www.surterrawellness.com)

INHALE



Disposable Vaporizer Pen
Cannabis oil is heated and inhaled.

-  Onset Time: 5-10 Min.
-  Duration: 3-4 Hrs.



High-Performance Battery + Pod
Cannabis oil is heated and inhaled.

-  Onset Time: 5-10 Min.
-  Duration: 3-4 Hrs.

INGEST



Tincture Oil
Cannabis oil taken orally.

-  Onset Time: 30-60 Min.
-  Duration: 6-8 Hrs.



Pure Reserve Oil
Highly concentrated cannabis oil taken orally.

-  Onset Time: 30-60 Min.
-  Duration: 6-8 Hrs.



Theragels
Odorless, flavorless softgel capsules filled with cannabis oil.

-  Onset Time: 30-60 Min.
-  Duration: 6-8 Hrs.

APPLY



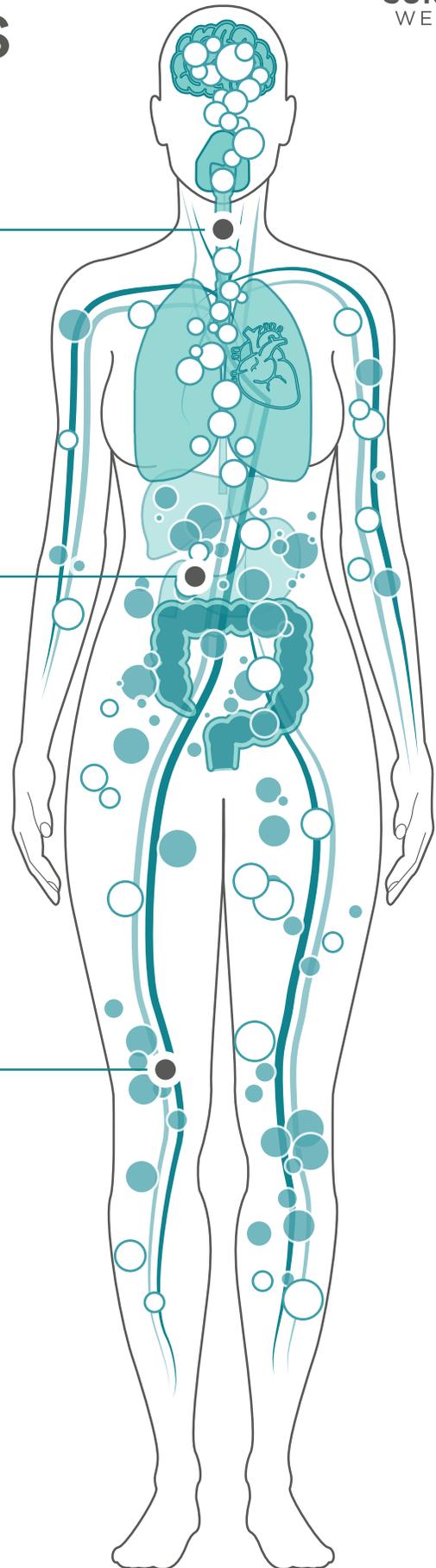
Lotion
Cannabis-infused lotion for targeted relief.

-  Onset Time: 10-15 Min.
-  Duration: 4-6 Hrs.



Patches
Cannabis-infused patches for steady, long-lasting relief.

-  Onset Time: 45-90 Min.
-  Duration: 8-12 Hrs.



 CB1 receptors

 CB2 receptors

BENEFITS OF TERPENES

Learn more at surterrawellness.com

What are Terpenes?

Terpenes are organic compounds common to the plant kingdom and some species of insects—200 of which have been identified in the cannabis plant. These molecules are responsible for strong aromas, have been used in medicine since ancient China, and play a critical role in creating the unique therapeutic effects attributed to cannabis. Some of the more prominent terpenes found in cannabis are Linalool, Caryophyllene, Myrcene, Limonene, Humulene, Alpha-Pinene and Beta-Pinene.

In cannabis, terpenes are concentrated in the sticky glandular trichomes where THC and other cannabinoids are also produced. The production of terpenes in cannabis varies widely, depending on the strain genetics, as well as growth conditions, maturity of the plant, and post-harvest processing and storage.

Benefits & Effects

Terpenes are highly bioactive, and demonstrate a wide variety of therapeutic effects, ranging from relaxation, to stimulation, to pain relief (Russo 2011). Terpenes also demonstrate nootropic benefits for cognition, helping to improve memory and focus. Inhalation of terpenes in lemon oil has been shown to increase dopamine and serotonin, leading to antidepressant and anti-anxiety effects (Fischedick 2013). Many terpenes are also antibacterial, antifungal, and antiviral. Fortunately, most terpenes are also generally recognized as safe, since they occur naturally in foods and tend to be non-sensitizing to the skin (Russo 2011).

b-Myrcene

Medical Benefits: Antiseptic, Antibacterial, Antifungal, Anti-Inflammatory

Effects: Sedating, Relaxing, Enhances THC's Psychoactivity

Also Found In: Mango, Thyme, Hops, Lemongrass, Basil

Another terpenoid found in cannabis with noteworthy effects is myrcene, which exhibits both anti-inflammatory and opioid-type analgesic effects (Russo 2013). In contrast to the stimulating properties of α -Pinene, the terpene β -Myrcene has relaxing and sedative effects. β -Myrcene has a musky, fruity, clove-like scent and it occurs in cannabis, as well as in hops, eucalyptus, lemongrass, basil, thyme, and mango. β -Myrcene has been shown to enhance permeability of the blood-brain barrier, and to increase the maximum saturation level of CB1 receptors (Steep Hill Labs 2017). This property helps to synergistically enhance the effects of cannabinoids and other compounds that are taken along with myrcene. According to anecdotal evidence, consumption of mango prior to cannabis use can accelerate the onset and intensify the effects of cannabis, possibly because of the synergistic effects of myrcene.

Myrcene is anti-inflammatory and analgesic, helping to relieve pain and muscle tension, and its sedative effects help with insomnia (Guimarães 2013; Russo 2011). Myrcene may mediate the body's natural, endogenous opioid system to help relieve pain (Guimarães 2013; Fine 2014). A study that compared myrcene to morphine for pain relief showed that in contrast to morphine, myrcene did not show any tolerance after 5 days of consecutive treatment (Guimarães 2013). Myrcene also acts as a muscle relaxant and can be used in the treatment of muscle spasms (Russo 2011).

Indica strains of cannabis, known for the relaxing "couch-lock" effect often have greater than 0.5% β -Myrcene, while Sativa strains normally contain less than 0.5% β -Myrcene and tend to be less sedating (Steep Hill Labs 2017).

Limonene

Medical Benefits: Antidepressant, Anti-Anxiety, Anti-Reflux, Antifungal

Effects: Elevated Mood, Stress Relief

Also Found In: Orange, Juniper, Peppermint

Limonene is one of the main terpenes formed from α -Pinene, and it has a distinct citrus odor. In addition to cannabis, limonene is also found in peppermint, orange, rosemary, and juniper. Limonene is a potent anti-oxidant and anti-inflammatory, and it's shown promise as a pain-reliever (Guaimaraes 2013). Limonene is readily bioavailable, with rates of absorption up to 70% via inhalation, and it also aids in the uptake of other compounds applied topically or absorbed via mucus membranes or the digestive tract (Russo 2011; Steep Hill Labs 2017). Limonene may help alleviate gastrointestinal complaints such as reflux or heartburn, and it is antidepressant and anxiolytic, helping to elevate mood and alleviate stress and anxiety. Limonene, like many terpenes, is also antibacterial and antifungal.

Linalool

Medical Benefits: Antidepressant, Anti-Anxiety, Anti-Reflux, Antifungal

Effects: Elevated Mood, Stress Relief

Also Found In: Citrus, Coriander, Birch, Rosewood

Linalool is a terpene distinguishable by its floral aroma, and in addition to cannabis, it occurs in lavender, citrus, coriander, black pepper, birch, and rosewood (Steep Hill Labs 2017; Costa 2016). It is helpful for reducing stress and anxiety, and improving sleep. Research has shown it can help reduce pain and inflammation, and it also can act as a local anesthetic (Guimarães 2013; Russo 2013). Linalool is sometimes used as an anticonvulsant or anti-epileptic, as well as an antidepressant.

β -Caryophyllene

Medical Benefits: Antioxidant, Anti-Inflammatory, Antispasmodic, Pain Relief, Improved Sleep

Effects: No Known Physical Effects

Also Found In: Black Pepper, Cloves Hops, Basil, Oregano

β -caryophyllene acts at CB2 receptors, with demonstrated anti-inflammatory effects, as well as efficacy in treatment of neuropathic pain. The terpene β -Caryophyllene has a spicy, woody aroma and occurs in plants such as black pepper, Thai basil, cinnamon, and cloves. β -Caryophyllene is often the predominant terpene found in cannabis extracts, or cannabis products that have been heat processed. Drying, storage, and heat decarboxylation causes other compounds in cannabis to convert to β -Caryophyllene (Russo 2011). β -Caryophyllene is anti-inflammatory, anti-bacterial, and antifungal (Steep Hill Labs 2017). Its action at CB2 receptors mimics the effects of cannabinoids (Russo 2013), and when combined with CBD, β -Caryophyllene has a synergistic entourage effect to help relieve inflammation and neuropathic pain (Fine 2014). A clinical trial that evaluated the analgesic effects of inhalation of black pepper oil (known to contain both β -Caryophyllene and linalool) showed that black pepper essential oil resulted in a significant reduction in pain intensity compared to placebo (Costa 2016). Black pepper essential oil has also been shown to reduce nicotine cravings, and may be helpful in treating addictions (Russo 2011). β -Caryophyllene may also be helpful for gastrointestinal complaints such as ulcers. It's FDA-recognized as a food additive, and is generally recognized as safe.

Humulene

Medical Benefits: Anti-Inflammatory, Antibacterial, Pain Relief

Effects: Suppresses Appetite

Also Found In: Hops, Coriander, Basil, Clove

Humulene is very closely related to β -Caryophyllene, with the same chemical formula and a slightly different structure. Humulene is found most notably in hops and cannabis, but also in basil, coriander, and clove. It has a spicy, woody or earthy smell, also associated with the "hoppy" aroma of beers. In contrast to the common reputation cannabis has for increasing appetite, humulene on its own seems to suppress appetite. Humulene is also anti-inflammatory and antibacterial (Steep Hill Labs 2017).

Alpha/Beta-Pinene

Medical Benefits: Anti-Inflammatory, Anti-Asthmatic

Effects: Memory Retention, Alertness

Also Found In: Pine Needles, Conifers, Citrus

α -Pinene, detectable by its characteristic pine smell, is the most commonly occurring terpene in nature, found in plants such as citrus, conifers, and cannabis, as well as culinary herbs including basil, rosemary, and dill. α -Pinene has stimulating nootropic effects that can enhance memory and alertness (by inhibiting acetylcholinesterase), potentially counteracting unwanted cognitive effects of THC (Russo 2011). α -Pinene is also anti-inflammatory, and has broad-spectrum antibiotic properties. α -Pinene has historically been used in the treatment of asthma because it acts as a bronchodilator, improving respiratory function (Russo 2011).

Eucalyptol

Medical Benefits: Pain Relief, Antibacterial, Antifungal, Anti-Inflammatory, Anti-Proliferative, Antioxidant

Effects: Stress Relief, Alertness

Also Found In: Eucalyptus, Bay Leaves, Tea Trees, Mugwort

Eucalyptol (also known as cineole or cajeputol) is a stimulating terpene found in eucalyptus. Eucalyptol is licensed as a medicinal product in Germany for treating rheumatism. When applied topically, eucalyptol causes a cooling sensation and localized anesthesia to help relieve pain. Eucalyptol dose-dependently blocks nerve hypersensitivity, and it's anti-inflammatory, by way of COX inhibition and several other physiological mechanisms (Guimarães 2013). In animal studies, low doses of eucalyptol provided pain relief that was nearly equivalent to morphine (Guimarães 2013). Eucalyptol also acts as a percutaneous enhancer, improving transdermal delivery, by helping promote absorption of topical products applied to the skin (Guimarães 2013).

Terpineol

Medical Benefits: Antioxidant, Anti-Inflammatory, Anti-Proliferative

Effects: Sedating, Calming

Also Found In: Lilac, Pine Trees, Lime Blossoms

Terpineol has been shown to induce relaxation and pain relief in animal studies. It has also been shown to attenuate withdrawal effects of morphine dependency, and to reduce development of tolerance to the analgesic effects of morphine (Russo 2017). Terpineol may offer synergistic therapeutic effects with CBD and β -caryophyllene in treating addiction (Russo 2017).

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Skrabek, R.Q., Galimova, L., Ethans, K. and Perry, D., 2008. Nabixin for the treatment of pain in fibromyalgia. *The Journal of Pain*, 9(2), pp.164-173.

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HARVEST

MEDICAL CANNABIS EDUCATION

William Troutt, Director of Medical Education

The following compilation is proprietary to William Troutt, NMD.
Please contact Dr. Troutt for consent to reprint.

IMPORTANT NOTES & WARNINGS

This information is for **EDUCATIONAL PURPOSES ONLY**, not for diagnosing or treating any medical condition.

KEEP CANNABIS & CANNABIS PRODUCTS OUT OF REACH OF CHILDREN!

Cannabis use can be addictive and lead to dependence.

Cannabis use can impair an individual's ability to drive a motor vehicle or operate heavy machinery.

There may be potential developmental and health risks to a fetus caused by smoking or ingesting cannabis while pregnant, or to infants while breastfeeding. Use of cannabis during pregnancy or while breastfeeding may result in being reported to Child Protective Services by Medical Professionals who are required to report.

Under the U.S. Federal law, cannabis is illegal. A patient's qualified decriminalization of cannabis use may not extend across state borders, to other states, tribal land, or federal land.

Using cannabis in public places is prohibited.

Cannabis smoke contains carcinogens that can lead to an increased risk for cancer, tachycardia, hypertension, heart attack, and lung infection.

Individuals with specific legal concerns should consult a licensed and experienced attorney.

In a **MEDICAL EMERGENCY: DIAL 911**



Cannabis use is being decriminalized across the United States and around the world, due to increasing evidence of medical benefits versus the potential risks.

Although more human studies are needed to recognize the full potential of cannabis, the evidence is compelling. A National Academies of Sciences, Engineering and Medicine report recently concluded:

- There is conclusive or substantial evidence that cannabis or cannabinoids are effective:
 - For the treatment of chronic pain in adults
 - As antiemetics in the treatment of chemotherapy-induced nausea and vomiting
 - For improving patient-reported multiple sclerosis spasticity symptoms
- There is moderate evidence that cannabis or cannabinoids are effective for:
 - Improving short-term sleep outcomes in individuals with sleep disturbance associated with obstructive sleep apnea syndrome, fibromyalgia, chronic pain, and multiple sclerosis
- There is limited evidence that cannabis or cannabinoids are effective for:
 - Increasing appetite and decreasing weight loss associated with HIV/AIDS
 - Improving clinician-measured multiple sclerosis spasticity symptoms
 - Improving symptoms of Tourette syndrome
 - Improving anxiety symptoms in individuals with social anxiety disorders
 - Improving symptoms of post-traumatic stress disorder
- There is limited evidence of a statistical association between cannabinoids and:
 - Better outcomes (i.e., mortality, disability) after a traumatic brain injury or intracranial hemorrhage

National Academies of Sciences, Engineering, and Medicine. 2017. *The Health Effects of Cannabis and Cannabinoids: The Current State of Evidence and Recommendations for Research*. Washington, DC: National Academies Press.

Medical Cannabis Qualifying Conditions

Historical use, patient reports, case studies, preclinical research, and human studies suggest cannabis may be beneficial in many medical conditions. The following are some of the conditions that have been approved by Medical Marijuana Programs in the United States:

Alzheimer's Disease	Hydrocephalus	Pain
Amyotrophic Lateral Sclerosis	Huntington's Disease	Parkinson's Disease
Anorexia	Idiopathic Pulmonary Fibrosis	Post-concussion Syndrome
Arthritis	Interstitial Cystitis	Post Herpetic Neuralgia
Autism	Lupus	Post-traumatic Stress Disorder
Cachexia (wasting syndrome)	Migraines	Psoriasis
Cancer	Mitochondrial Disease	Renal Failure
Cerebral Palsy	Multiple Sclerosis	Rheumatoid Arthritis
Crohn's Disease	Muscle Spasms	Seizures
Cystic Fibrosis	Muscular Dystrophy	Sickle Cell Disease
Decompensated Cirrhosis	Myasthenia Gravis	Sjogren's Syndrome
Dystonia	Nausea	Spasticity
Epilepsy	Neurodegenerative Diseases	Spinal Cord Injury
Fibromyalgia	Neurofibromatosis	Terminal Illness
Glaucoma	Neurological Disorders	Tourette's Syndrome
Hepatitis C	Obstructive Sleep Apnea	Traumatic Brain Injury (TBI)
HIV/AIDS		Ulcerative Colitis
Hospice		



Inquire with your State Health Department for more information on the legalities of medical cannabis and qualifying conditions in your state.

Adult-use and recreational use of cannabis has been decriminalized in some states. Be aware of state regulations and conscience of the risks associated with recreational activities.

Cannabis Terminology

Cannabis: The accepted botanical name for the plant. The cannabis plant is well documented throughout human history as a valuable resource, including use as food, fuel, fiber, ritual, and medicine.

Hemp: A common name for the cannabis plant. This term is typically associated with its industrial use and non-psychoactive products, such as fiber, clothing, paper, seed, food, and oil that is absent of euphoric or impairing effects.

Marijuana: A common name for the cannabis plant. This term is typically associated with the prohibition, legal status, or euphoric use of the plant.

Cannabis Strains or Types

Cannabis Sativa: A cannabis strain reported to have more of an energizing effect. It has been described as uplifting, cerebral, or mentally stimulating. It may be preferred for daytime use or for patients experiencing low energy, fatigue, or depression. It may not be preferred by patients prone to anxiety.

Cannabis Indica: A cannabis strain reported to have a more sedating effect. It has been described as a relaxing, calming, full body experience. It may be preferred for night time use or by patients prone to hyperactivity or anxiety.

Hybrid: A cannabis strain that is a cross between sativa and indica strains. Most cannabis strains available today are hybrids, which exhibit selective or balanced characteristics.

CBD Rich: A cannabis strain that is selected for greater cannabidiol content.

Cannabis Safety

Psychoactive effect: A change in mental-emotional state associated with the use of cannabis rich in THC. It is popularly characterized by euphoria, relaxation, happiness, and an overall sense of well-being or what is commonly referred to as being “high.”

Psychoactive side effect: Cannabis has been reported to cause impairment, anxiety, panic attacks, psychosis, and complete sedation. These effects are dose dependent, making the psychoactive effect the limiting factor as to how much cannabis can be consumed.

Toxicity studies suggest no potential for lethal overdose or liver or kidney damage from cannabis consumption. However, if a patient is experiencing chest pain, vomiting, loses consciousness, or behaves in an unsafe manner following cannabis use, monitor their airway and seek emergency medical services for precaution.

Constituents of the Cannabis Plant & Potential Benefits

Cannabis is a very unique and complex plant with numerous identified chemical compounds, including over 100 identified cannabinoids, as well as terpenoids, flavonoids, and other botanical compounds. It is understood that all of these components work together synergistically to provide the greatest medical benefit. Varieties of cannabis strains contain different constituent profiles, medicinal qualities, and potency.

The following are common chemical compounds found in the cannabis plant:

Phytocannabinoids: Plant-derived cannabinoid molecules, named after the cannabis plant, where they are most abundantly found. *Phyto-* originates from the Greek *phuton*, meaning “plant.”

Tetrahydrocannabinol (THC): The most abundant phytocannabinoid. THC is primarily responsible for the psychoactive effect. It has also been reported to be effective for treating nausea and vomiting, stimulating appetite, managing pain, reducing muscle spasms, facilitating sleep, opening airways, decreasing pressure of the inner eye, and relieving mental-emotional stress. THC is also known to cause impairment, sedation, mental confusion, anxiety, and panic attacks in some people. This risk increases with larger doses.

Cannabidiol (CBD): The most abundant non-psychoactive phytocannabinoid, CBD does not produce the euphoric effect associated with THC. CBD has been reported to reduce THC's psychoactive side effects (mental confusion, sedation, anxiety, and psychosis). CBD may also have anti-anxiety effects and many preventive health effects, particularly in neurological, immunological, and inflammatory conditions.

Patients concerned with the cannabis plant's psychoactive effects or patients susceptible to mental-emotional disorders or imbalances may prefer CBD-dominant strains or products.

CBD rich strains and products may be described by the amount or ratio of CBD to THC content, such as, 1:1, 2:1, 5:1, 10:1, and 20:1. The more CBD to THC content, the less potential for psychoactive side effects. This allows for larger doses, greater nutritional benefit and health support. The smaller the CBD to THC content, the greater potential for psychoactive effects and relief from severe symptoms with smaller doses.



CBD hemp strains and products are selected and produced with less than 0.3% THC to be legal for nutritional use and to lack psychoactive euphoric effects. They may contain a spectrum of other cannabinoids and terpenoids.

CBD isolate products are purified to remove the THC, other cannabinoids, and terpenoids. Often, they are preferred by persons who desire a more standardized CBD product. CBD isolates are not considered whole plant or full spectrum.



Cannabinoid Acids: Phytocannabinoids are initially produced by the cannabis plant in a carboxylic acid form, specifically *tetrahydrocannabinolic acid* (THCA) and *cannabidiolic acid* (CBDA).

Heating or aging processes are required to activate (i.e. decarboxylate) these cannabinoid acids, turning THCA and CBDA into THC and CBD, respectively. THCA does not cause euphoria until it has been converted to THC through the process of smoking, vaporizing, cooking, curing, etc.

These non-psychoactive cannabinoid acids may have selective health benefits, particularly with respect to antioxidant value, inflammatory conditions, and the immune system. Eating raw or unheated plant products and juicing are ways in which cannabinoid acid constituents can be ingested with less potential for psychoactive side effects.

Cannabichromene (CBC): non-psychoactive, anti-microbial, anti-inflammatory.

Cannabigerol (CBG): non-psychoactive, anti-inflammatory, analgesic, anti-fungal, anti-microbial.

Tetrahydrocannabivarin (THCV): non-psychoactive, decreases appetite, anticonvulsant, improves glucose/insulin function.

Cannabidivarin (CBDV): non-psychoactive, anticonvulsant.

Cannabinol (CBN): produced from THC oxidation, sedative, anti-microbial, mild psychoactive effect.

Izzo, A.A., Borrelli, F., Capasso, R., DiMarzo, V., Mechoulam R. (2009). *Non-psychootropic plant cannabinoids: new therapeutic opportunities from an ancient herb*. Trends Pharmacol Sci.

Terpenoids

Terpenes are aromatic compounds found in cannabis that have diverse biological activity and are responsible for the characteristic cannabis smell. They contribute to the whole plant synergistic or entourage effect. They may also add nuance to the perceived psychoactive effect.

alpha-Pinene (pine trees): anti-inflammatory, bronchodilator, antimicrobial, and memory support.

beta-Myrcene (hops): sedative, muscle-relaxant, analgesic, and anti-inflammatory.

Limonene (citrus): anxiolytic, anti-carcinogenic, anti-oxidant, and immune system support.

Linalool (lavender): anxiolytic, analgesic, sedative, and anticonvulsant.

beta-Caryophyllene (black pepper): anti-inflammatory, analgesic, GI protective, and antimicrobial.

Caryophyllene Oxide (lemon balm): antifungal, insecticidal, and platelet support.

Nerolidol (orange): sedative, antimicrobial, and antifungal.

Phytol (green tea): product of breakdown chlorophyll, antioxidant, and calming.

Russo, E.B. *Taming THC: potential cannabis synergy and phytocannabinoid-terpenoid entourage effects.* Br J Pharmacol, 163 7 (2011):1344-64.

How does Cannabis Work in the Body?

Endocannabinoid System (ECS): A communication and regulatory system in all vertebrate organisms, named after the cannabis plant and its unique cannabinoid constituents. It includes messenger molecules, receptors, and enzymes distributed throughout the body, with the role of maintaining balance and health of the individual. The ECS is essential in human development, reproduction, and survival. It maintains homeostasis through the regulation of our nervous, immune, and endocrine systems.

Endocannabinoid Receptors: Cell structures that act as specialized gatekeepers. When activated, they regulate or allow specific changes in the cells, tissues, system, and body.

Cannabinoid 1 (CB1) Receptors: Receptors located most densely in the central nervous system. They are associated with the regulation of activity within the brain and spinal cord.

Cannabinoid 2 (CB2) Receptors: Receptors located throughout the body most densely associated with the immune system and regulation of immune responses such as inflammation and cell turnover.

Endocannabinoids (Messenger Molecules): Natural compounds made by the body that activate cannabinoid receptors. Phytocannabinoids found in the cannabis plant mimic their activity and activate the ECS.

Forms of Medicine

Flower: The cannabinoids and terpenoids form on the flower of the plant in microscopic, mushroom-shaped, crystal-looking structures called trichomes. Generally, flower has been cured to produce the best product for smoking, vaporizing, and storage. Flower may be lab tested for constituent content by weight. If a flower tests 10% THC content, then 1 gram of flower has the potential of containing 100 mg of THC.

If eating raw or unheated flower, at least 3 - 10% of the available THC-A can be expected to be decarboxylated to psychoactive THC in the drying or curing process. Exposure to heat and aging may increase the percentage of THC significantly.

Kief: A product of trichomes that are physically separated or screen-sifted from the plant material.

Edibles: Cannabis extractions infused into foods. May contain sugar and other less-than-healthy ingredients and variable potency.

Capsules: Cannabis products may be encapsulated to standardize the dose and to bypass the palate.

Concentrates: Also known as extractions, hash, oil, wax, or shatter. Use caution! These products may be very potent. A solvent, such as carbon dioxide (CO₂), ethanol (ETOH), or butane (BHO), may be used to extract and concentrate the constituents from the solid plant material. Some solvents and processes may have additional associated health concerns.

Rick Simpson Oil (RSO): An extracted, THC-rich oil concentrate that is coined after the individual who popularized the use of cannabis oil for treating cancer. Human studies are lacking on the subject; however, cannabinoids have been shown to have anti-cancer properties.

Tinctures: Plant extractions in a solution, commonly with ethanol, vegetable glycerin, fractionated coconut oil (MCT), or olive oil.

Tinctures are available in different concentrations and are typically dosed by drop, dropper, or milliliter. There are approximately 30 - 40 drops in a milliliter, depending on the solution. A syringe may be used for more precise measurement.

Tea: Hot water may be used to heat and activate cannabis, making it more psychoactive. However, water does not extract the cannabinoids well. For best results, steep flower 20 - 30 minutes and swallow the plant material with the tea. Patients also report combining other teas for specific synergistic effects.

Suppositories: A preparation of the medicine intended for insertion into the rectum or vagina. Most useful for conditions localized in the area of insertion.

Topicals: Includes salves, lotions, and balms. Topicals are cannabis extractions prepared to be applied to the skin directly and typically only have localized effects.

Transdermal Patches: Designed to increase medicine availability through the skin for systemic effects. Persons with skin sensitivities to adhesives should use with caution or avoid.

Modes of Administration

METHODS OF INHALATION

With inhalation, absorption occurs through the lungs, with rapid effects being felt within 2 - 5 minutes and lasting approximately 2 - 4 hours.

CAUTION: inhaling anything other than fresh air increases potential health risks.



Reasons patients choose inhalation:

- Quick, short acting
- Effects are more predictable
- Bypass the palate and digestive system

Vaporizer: A device that heats plant products until they boil into a vapor to be inhaled. It is intended to operate below combustion temperatures to reduce the creation of potentially harmful chemicals.

Vape Pens: A convenient, battery operated type of vaporizer used with pre-filled cannabis oil cartridges. **Attention:** the oil is often mixed with a thinning agent, such as polyethylene glycol (PEG), vegetable glycerin (VG), and/or fractionated coconut oil (MCT) to improve pen function.

Smoking: Typically using a device such as a pipe, water-pipe (bong), or rolled in paper (joint). Combustion or burning creates potentially harmful chemicals and heat. Inhaling substances into the lungs may irritate airways, increasing risk of lung disease and lung infections.



ORAL ADMINISTRATION

Oral ingestion includes anything consumed by mouth. Absorption occurs through the mucosa of the gastrointestinal tract. It takes approximately 30 - 45 minutes to experience the effects, which may last 6 - 8 (or more) hours, depending on the dose. Variable absorption and metabolism through the liver may enhance or diminish the effects and make them more unpredictable than inhalation. **IT MAY TAKE SEVERAL HOURS TO FEEL THE FULL EFFECTS. WAIT AT LEAST THREE (3) HOURS BEFORE RE-DOSING.**

Reasons patients choose oral dosing:

- To avoid inhalation concerns
- Long lasting effects
- Potential for larger dosing and a stronger effect

METHODS OF APPLICATION

Sublingual: Absorption occurs under the tongue. It may have quicker, shorter acting effects than oral dosing. The effects may start within 10 - 25 minutes and last 3 - 5 hours.

Topical: Applied directly to the skin for local conditions.

Transdermal: Absorption occurs through the skin usually via a specially formulated patch for systemic effects.

Conservative Dosing Strategies

Test dose small amounts of the cannabis medicine to determine the psychoactive potency. Increase the dose by small increments over extended time periods until reaching a comfortable effective dose. Everyone responds individually to cannabis dosing. The patient can use conservative dosing strategies to find the most effective dose with the least potential for side effects. A daily log or journal is a useful tool to track and evaluate dosing.

IF A DOSE CAUSES ANY UNWANTED SIDE EFFECTS, LOWER THE DOSE OR DISCONTINUE USE AND CONSULT YOUR TREATING PHYSICIAN.

Inhalation: Test dose one inhaled puff, **WAIT AT LEAST ONE (1) HOUR**, and then evaluate the effects. If the effect was not sufficient and without side effects, then re-dose with two (2) puffs and **WAIT ONE (1) MORE HOUR**. Continue this dosing method until the desired results are achieved.

Oral ingestion: Begin test dosing with no more than a quarter ($\frac{1}{4}$) of the manufacturer recommended edible dose. Patients who are new or have a low tolerance may choose to begin with an eighth ($\frac{1}{8}$) or less of the recommended dose. If **AFTER THREE (3) HOURS** the dose was not sufficient to feel the desired effects, increase the dose by the same increment and **WAIT AT LEAST ANOTHER THREE (3) HOURS BEFORE RE-DOSING**.

Oil Concentrates: Begin test dosing with less than $\frac{1}{4}$ the size of a grain of rice, or more conservatively, a pinhead size drop. If **AFTER THREE (3) HOURS** the effect was not sufficient, increase the dose by the same increment and **WAIT AT LEAST ANOTHER THREE (3) HOURS** before re-dosing.

Tinctures: Begin test dosing with 1 - 2 drop increments. If **AFTER THREE (3) HOURS** the effect was not sufficient, increase the dose by the same increment and **WAIT AT LEAST ANOTHER THREE (3) HOURS** before re-dosing.

With conservative dosing, patients may take several sessions or even days of test dosing before the benefit or effects are felt, rather than introducing too much medicine into the system initially. A slow approach also gives new patients a chance to adjust and build a tolerance to the psychoactive effects.

Follow your physician's recommendations and product manufacturer suggested dosing.

DOSING BY THC/CBD CONTENT

THC: The psychoactive potency of the medicine can be approximated by THC content in milligrams (mg). Edible manufacturers report an average adult dose of 5 - 25 mg of THC. Some patients do better with less and some may require more.

New or low-tolerance patients may begin test dosing at or below 1 - 2½ mg of THC, and slowly increase by this same increment.

Microdosing: using the smallest effective dose of THC, at regular intervals. Patients often report improvement of symptoms without feeling psychoactive effects.

CBD: To quantify non-psychoactive cannabinoid dosing, patients may evaluate their dosing based on the milligrams (mg) consumed compared to their body weight in kilograms (kg).

Literature suggests that therapeutic dosing of CBD may be as high as 5 - 25 mg/kg/day. However, dosing at these levels currently may not be practical or necessary, particularly when using whole plant medicines. Dosing below 5 mg CBD/kg may be more practical. Patients can begin with levels below 1 mg/kg/day, and then slowly increase as needed. Wait 1 - 2 weeks between each dose increase for a more conservative approach.

Product manufacturers may suggest a dosage of 10 - 75 mg/day for adult-use CBD nutritional supplementation.

Follow your physician's recommendations and the manufacturer's suggested dosing of the product.



Potential Side Effects of Cannabis

Psychological and behavioral changes	Sensation of slowed time	Dry mouth, potential increase in periodontal disease
Euphoria	Anxiety	Rapid heart rate
Hallucinations, temporary psychosis	Social withdrawal	Lowered blood pressure
Impaired motor coordination and balance	Conjunctival injection (red eyes)	If inhaled — coughing, irritation, inflammation of airway
Impaired judgement and short-term memory	Increased appetite and thirst	Sedation, drowsiness
	Vomiting	
	Dependence	

CONTRAINDICATIONS

Patients should first consult with a physician regarding health conditions that may be exacerbated by cannabis use.

Respiratory Disorders: Smoking and inhaling cannabis may further aggravate respiratory and other related disorders.

Heart Conditions: There may be cardiovascular effects such as an increased heart rate, lowered blood pressure, or increased blood pressure with excitement or anxiety. Use of cannabis may aggravate cardiovascular conditions.

Mental Health: Cannabis use may cause psychosis, schizophrenic episodes, or mental and emotional stress in patients who are predisposed to schizophrenia or other mental illnesses. Even without a history of mental illness, some individuals are sensitive to the psychoactive side effects of cannabis.

Pregnancy: Cannabis constituents pass through breast milk and to a developing fetus during pregnancy. Use of cannabis while pregnant or nursing may increase developmental risks.

Overall Impairment: Cannabis use may cause impairments that can affect daily activities, as well as job performance. Patients should not drive or operate heavy equipment while impaired or participate in responsibilities and activities that require focus and attention, such as childcare.

DRUG INTERACTIONS

COMBINING CANNABIS WITH ALCOHOL, PRESCRIPTION DRUGS, NONPRESCRIPTION DRUGS, OVER-THE-COUNTER MEDICATIONS, OR NUTRITIONAL SUPPLEMENTS MAY INCREASE POTENTIAL IMPAIRMENTS, SIDE EFFECTS AND EFFICACY CONCERNS.

Cannabis use may affect how other drugs, medications, and nutritional supplements are absorbed, metabolized, and eliminated from the body. Although reports of harmful interactions are not common, if you are taking other drugs, medications, and nutritional supplements, consult your physician before cannabis use.

CONTACT RECOMMENDING PHYSICIAN IF ANY SIDE EFFECTS OR CONTRAINDICATIONS OCCUR.

Alternatives to Medical Cannabis

No medicine can make up for improper nutrition, lack of exercise, unchecked stress, and negative mental-emotional habits. The best chance of avoiding disease is a balance of proper nutrition, daily exercise, stress-management, and positive mental-emotional practices.

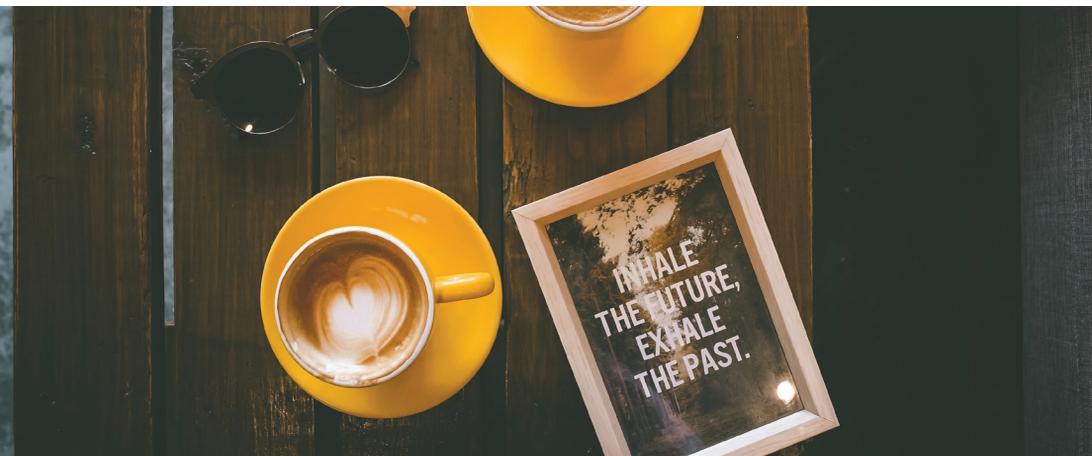
FOCUS ON THE CAUSE OF DISEASE RATHER THAN JUST TREATING SYMPTOMS!

Consult with your primary care physician regularly. Report any symptoms or health concerns that may arise, whether or not they are relieved by medical cannabis.

Consider further naturopathic medical care and alternative treatment options.

- **American Association of Naturopathic Physicians:**
<http://www.naturopathic.org>
- **American Association of Acupuncture and Oriental Medicine:**
<https://aaaomonline.org>

Pharmaceutical Cannabinoids: Synthetic THC has been available by prescription in the USA since the 1980's under the Pharmaceutical name Marinol® (generic name: dronabinol). In 2018, the FDA approved CBD extract, Epidiolex®, for two types of pediatric seizure disorders.



Substance Use Disorders

Medical professionals now use the term “substance use disorders” to signify the growing understanding that these conditions should be regarded and treated as medical conditions rather than sinful or unlawful behaviors.

Tolerance: The need to continue increasing the amount of a substance being used to obtain the desired effects. Heavy THC use may cause downregulation of an individual’s endocannabinoid system and lead to some tolerance. Individuals have reported that after discontinuing cannabis use for several days, they were able to significantly decrease their effective dose on resumption of use. Taking periodic breaks from cannabis use may be considered a good endocannabinoid system detox, a chance to reboot and re-evaluate the continued benefit of cannabis use.

Withdrawal: The body can become dependent on certain substances; stopping or decreasing the amount of use may cause the body to become sick or impaired. With certain substances, such as opiates and alcohol, withdrawal can be severe and medically dangerous.

Cannabis is not reported to cause medically dangerous withdrawal. However, abruptly discontinuing daily cannabis use may result in irritability, depressed mood, and sleep and appetite disturbances for up to a few weeks.

SIGNS & SYMPTOMS OF SUBSTANCE USE DISORDERS

- Using larger amounts of substance over a longer period of time than was originally intended.
- Failure to fulfill major role obligations at work, school or home.
- Risky use of substance.
- Tolerance and withdrawal.

American Psychiatric Association. 2013. *Diagnostic and Statistical Manual of Mental Health Disorders: DSM-V*. Washington, DC: American Psychiatric Association. (pp. 481-490, 509-519)

CANNABIS USE DISORDER

A concern with cannabis overuse is that individuals may spend time and resources using cannabis when they should be directing those resources toward success and quality of life. Another concern is the unknown effects of long-term use on the developing brain, nervous system, and mental-emotional potential.

As with any medication, individuals should be aware of the signs and symptoms of substance use disorders and constantly re-evaluate how cannabis and other substances are affecting their overall health, relationships, and quality of life.

Cannabis should be used as a tool to benefit a patient's health and overall quality of life rather than to escape the realities and responsibilities that lead to improved health and increased quality of life.

SUBSTANCE USE DISORDER RESOURCES

Mental and physical health can improve with good practice. Both are needed to be actively desired and exercised on a daily basis. Health and success are not guaranteed, they are gifts with responsibility and great reward.

- **The Agape Center:** National and local substance abuse treatment facility locator. (theagapecenter.com)
- **The Substance Abuse & Mental Health Services Administration:** Offers treatment facility locator, information by topic, programs, publications, FAQ's, and much more. (findtreatment.samhsa.gov)
TOLL FREE PHONE: 1-800-662-HELP (4357)
- **National Suicide Prevention Lifeline** (suicidepreventionlifeline.org)
TOLL FREE PHONE: 1-800-273-8255

Cannabis Journal

A daily log or journal is a useful tool to evaluate ones benefit and/or negative effects from medical cannabis use.

Patients may use these logs to self-evaluate their overall health, symptoms, cannabis effects and benefits, as well as to provide this information to the treating physician.

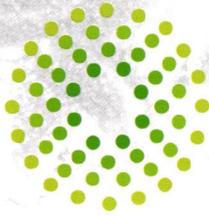
***Symptoms are very important to the treating physician.** Be specific and include details of onset, description, duration, associations and severity. Severity of symptoms can be quantified with a number scale, ten (10) being most severe and one (1) being least severe.

***Notify your recommending physician of any side effects that occur as a result of cannabis use.**

DATE	TIME:	STRAIN/CONSTITUENTS:	AMOUNT:
METHOD OF USE:			
REASON FOR USE/SYMPOMS:			
	BEFORE USE		AFTER USE
PAIN	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10
AGITATION	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10
SLEEP DISTURBANCE	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10
CACHEXIA / WEIGHT LOSS	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10
NAUSEA	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10
SEIZURES	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10
MUSCLE SPASMS	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10
	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10
	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10
QUALITY OF LIFE	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10
POST-USE REPORT/SIDE EFFECTS:			

HARVEST

WWW.HARVESTHOC.COM



TRULIEVE PRODUCT GUIDE

CBD PRODUCTS

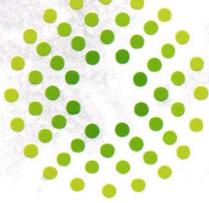
PRODUCT	VARIATIONS	REGISTRY DOSAGE	THC %	THC WEIGHT	CBD %	CBD WEIGHT	DOSING UNIT	THC PER DOSE	CBD PER DOSE	DOSES	PRICE
ORAL SYRINGE 200MG	CBD	200mg	<0.1%	13mg	1.1%	200mg	1 Syringe (1ml)	<0.4mg	10mg	20	\$25
TINCTURE DROPLET BOTTLE 500MG	CBD	500mg	<0.1%	15mg	1.5%	500mg	1 Drop	<0.03mg	1mg	500	\$70
CAPSULE BOTTLE 25CT 10MG EACH	CBD	250mg	<0.2%	19.25	1.5%	250mg	1 Capsule	<1mg	10mg	25	\$60
CBD LOTION 20Z .JAR 250MG	CBD	250mg	0%	<5mg	0.44%	250mg	1 Teaspoon	<0.01mg	20mg	12.5	\$40

RATIOS

PRODUCT	VARIATIONS	REGISTRY DOSAGE	THC %	THC WEIGHT	CBD %	CBD WEIGHT	DOSING UNIT	THC PER DOSE	CBD PER DOSE	DOSES	PRICE
VAPE PEN CARTRIDGE 400MG	16:1 CBD	25mg	<4%	25mg	40%	400mg	3-5second Draw	<0.07mg	1.25mg	320	\$50
DELTA 8 TRUPOD CART	Indica, Sativa, Hybrid	375mg	50%	125mg Delta 8 THC 125mg Delta 9 THC	25%	125mg	3-second Draw	0.78mg	0.39mg	320	\$55
VAPE PEN CARTRIDGE 250MG	1:1	125mg	25.0%	125mg	25.0%	125mg	3-5second Draw	0.8mg	0.8mg	160	\$37
TINCTURE DROPLET BOTTLE 500MG	1:1	250mg	0.75%	250mg	0.75%	250mg	1 Drop	0.5mg	0.5mg	500	\$70
CAPSULE BOTTLE 25CT 50MG EACH	RSO 1:1	625mg	3.8%	625mg	3.8%	625mg	1 Capsule	25mg	25mg	25	\$116
DELTA-8-CBD TRUPOD 350MG	Indica	350MG	40%	150mg Delta 8 THC, 50mg Delta 9 THC	30%	150mg	3-second Draw	0.94mg Delta 8 THC, 0.31mg Delta 9 THC	0.94mg	160	\$50
TOPICAL SUNSCREEN SPF 30 250MG	1:1	250mg	.22%	125mg	.22%	125mg	1 Teaspoon	10mg	10mg	12.5	\$50

By Florida law, ratio product milligrams must be deducted from the Medical Cannabis Recommendation.

The numbers in this document are established conservatively and are within a 2% variance. This document is merely a guide. Final dosing should be decided by a physician. Best practice is to start at a low dose and slowly increase the dose as needed.



TRULIEVE PRODUCT GUIDE

THC PRODUCTS

PRODUCT	VARIATIONS	REGISTRY DOSAGE	THC %	THC WEIGHT	CBD %	CBD WEIGHT	DOSING UNIT	THC PER DOSE	CBD PER DOSE	DOSES	PRICE
VAPE PEN CARTRIDGE 250MG	Hybrid, Indica, Sativa	250mg	50%	250mg	<0.01%	<5mg	3-Second Draw	1.875mg	<0.04mg	160	\$37
VAPE PEN CARTRIDGE 600MG	Hybrid, Indica, Sativa	600mg	60%	600mg	<0.01%	<5mg	3-Second Draw	1.875mg	<0.04mg	320	\$74
TRUPOD 800MG	Indica, Hybrid	800mg	80%	800mg	2%	<30mg	3-Second Draw	2.5mg	<1mg	320	\$94
TRUCLEAR CONCENTRATE SYRINGE	Hybrid, Indica, Sativa	850mg	85%	850mg	<2%	<30mg	1/4 inch	25.5mg	<1mg	33	\$60
ORAL SYRINGE 200MG	Hybrid, Indica, Sativa	200mg	1.1%	200mg	<0.1%	<13mg	1 Syringe (1ml)	10mg	<0.4mg	20	\$25
NASAL RESCUE SPRAY	Cannatol Rx	1,500mg	50%	1,500mg	<0.2%	60mg	1 Spray	5mg	<0.5mg	300	\$120
TOPICAL CREAM 2OZ. JAR 250MG	Hybrid	250mg	0.44%	250mg	0%	<5mg	1 Teaspoon	20mg	<0.01mg	12.5	\$40
CAPSULE BOTTLE 25CT 10MG EACH	Hybrid, Indica, Sativa	250mg	1.5%	250mg	<0.2%	<19.25mg	1 Capsule	10mg	<1mg	25	\$60
CAPSULE BOTTLE 25CT 50MG EACH	Hybrid, Indica, Sativa	1,250mg	7.7%	1,250mg	<0.6%	96mg	1 Capsule	50mg	<4mg	25	\$116
TRUCLEAR DELTA 8 1:1 SYRINGE	Indica	Indica	70%	700mg	<0.2%	<5mg	3-Second Draw	21.2mg	<1mg	33	\$70

ENTOURAGE PRODUCTS

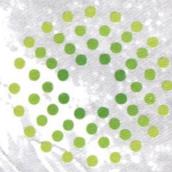
PRODUCT	VARIATIONS	REGISTRY DOSAGE	THC %	THC WEIGHT	CBD %	CBD WEIGHT	DOSING UNIT	THC PER DOSE	CBD PER DOSE	DOSES	PRICE
TRUFLOWER (MG VARIES)	Hybrid, Indica, Sativa	~500mg - 1,000mg	16% - 28%	Varies	Varies	Varies	3-Second Draw	3.9mg - 6.9mg	Varies	Varies	Varies by %
TRUSHATTER (MG VARIES)	Hybrid, Indica, Sativa	Mg Varies	67% - 89%	Mg Varies	Varies Varies	Mg Varies	4-Second Draw	Mg Varies	Mg Varies	Varies	\$60
CO2 VAPE CARTRIDGE 400MG	Hybrid, Indica, Sativa	400mg	80%	400mg	<0.01%	<5mg	3-Second Draw	1.25mg	<1mg	Varies	\$55
RSO SYRINGE	Hybrid, Indica, Sativa	600mg	60%	600mg	<0.01%	<5mg	1/4 inch	30mg	<1mg	20	\$50



TRULIEVE PRODUCT LIST

PRODUCT	VARIATIONS	PRICE
VAPE CARTRIDGE 250MG	Hybrid, Indica, Sativa, 1:1	\$37
RATIO VAPE CARTRIDGE 400MG	16 CBD:1 THC	\$50
VAPE CARTRIDGE 600MG	Hybrid, Indica, Sativa	\$74
TRUSTIK POD 800MG	Hybrid, Indica, Sativa	\$94
TRUFLOWER (MG VARIES)	Hybrid, Indica, Sativa	\$35 - \$55
VAPORIZER CUP 4PK 50MG EACH	Hybrid, Indica, Sativa	\$25
TRUCLEAR CONCENTRATE SYRINGE 850MG	Hybrid, Indica, Sativa	\$60
ORAL SYRINGE 200MG	CBD, Hybrid, Indica, Sativa	\$25
TINCTURE DROPLET BOTTLE 500MG	CBD, 1:1	\$70
NASAL RESCUE SPRAY	Cannatol Rx	\$120
TOPICAL CREAM 2OZ JAR 250MG	Hybrid and CBD	\$40
TOPICAL SUNSCREEN 2OZ JAR SPF 30 250MG	1:1	\$50
CAPSULE BOTTLE 25CT 10MG EACH	CBD, Hybrid, Indica, Sativa	\$60
CAPSULE BOTTLE 25CT 50MG EACH	Hybrid, Indica, Sativa, 1:1	\$116
TRUSHATTER (MG VARIES)	Hybrid, Indica, Sativa	\$60
CO2 VAPE CARTRIDGE 400MG	Hybrid, Indica, Sativa	\$55
DELTA 8 1:1:1 TRUPOD	Indica, Sativa, Hybrid	\$55
TRUCLEAR DELTA 8 1:1 SYRINGE	Indica	\$70
RSO SYRINGE	Indica, Sativa, Hybrid	\$50
DELTA-8:CBD TRUPOD	Indica	\$50

ACCESSORY	PRICE
VAPE PEN	\$20
MYSTICA VAPORIZER	\$20
HERB CUP VAPORIZER	\$50
TRUSTIK VAPORIZER	\$35
TABLETOP VAPORIZER	\$750
SILVER BUTTON BATTERY	\$20
TRUCLEAR WARMER	\$20
CONCENTRATE PEN	\$50



THC STRAINS

Hybrid

Lt

Lemon Tree

LEMON TREE is an evenly balanced hybrid strain created through crossing the delicious Lemon Skunk and Sour Diesel strains. Due to its parent strains, Lemon Tree has an edge in treating conditions such as chronic pain, inflammation, fatigue, and insomnia.

Hybrid

Mdm

Mandarin Dream

MANDARIN DREAM is an indica crafted specifically with working patients in mind. Uplifting and euphoric, it works to provide mental clarity while relaxing muscles, making it an ideal strain for treating chronic pain, fatigue, stress, and muscle tension.

Hybrid

Mbr

Member Berry

MEMBER BERRY is the result of a breeding project from Colorado's Ethos that crosses Skunkberry with Mandarin Sunset to produce a tart, fruity strain. As a compliment to the sweet citrus notes, this celebrated hybrid has a long-lasting high that helps with lack of appetite, depression, headaches, and insomnia.

Hybrid

Mms

Mimosa

MIMOSA is a classic, much like its namesake. There's no bad time to enjoy it; a cross between Clementine and Purple Punch, this strain has steadily risen to the top of many lists due to its outstanding fruit punch and citrus rind aroma.

Mimosa's energetic, euphoric effects are ideal for those fighting stress, depression, and pain.

Hybrid

Ogk

OG Kush

OG KUSH is cherished for its ability to crush stress under the weight of its heavy euphoria.

It carries the earthy pine and sour lemon scent with woody undertones, an aroma that has become the signature of OG Kush varieties and descendants. With OG Kush, patients most commonly cite improvements in migraines,

ADD/ADHD, and stress disorders.

Hybrid

Oco

Orange Cookies

ORANGE COOKIES combines the legendary GSC and Orange Juice strains, creating a flavor-packed strain notable for its tangerine-like scent.

Orange Cookies gives a calming, full-body effect with a euphoric cerebral response to counter depression, pain, fatigue, and nausea.

Hybrid

Ol

Oregon Lemons

OREGON LEMONS is a perfectly balanced hybrid with a zesty, sweet lemon flavor and earthy undertones, thanks to parent strains Lemon Diesel and Face Off OG.

This hybrid is fact-acting and long-lasting, targeting both the mind and the body, making it the ideal strain for those seeking relief from acute pain, ADD/ADHD, stress, depression, and anxiety.

Hybrid

Pex

Pineapple Express

PINEAPPLE EXPRESS combines the potent and flavorful forces of parent strains Trainwreck and Hawaiian. The smell is likened to fresh apple and mango, with a taste of pineapple, pine, and cedar.

This hard-hitting sativa-dominant hybrid provides a long-lasting energetic buzz perfect for productive afternoons and creative escapes.

Hybrid

Sfv

SFV OG

SFV OG is a sativa-dominant hybrid with roots in California and a unique flavor combination of pine and lemon earthiness.

SFV OG is an ideal match for patients suffering from pain, stress, depression, and fatigue.

Hybrid

She

Sherbert

SHERBERT is an indica-dominant hybrid with a sweet, creamy flavor similar to a scoop of ice cream and an aroma like a cookie thanks to GSC, its parent strain.

The strain's effects are uplifting and calming, offering relief to patients treating anxiety, depression, and stress.

Hybrid

Spb

Space Bomb

SPACE BOMB is a top-ranked sativa-leaning strain that fosters creativity, relaxation, and an uplifted mood.

Space Bomb is best for those suffering from stress, depression, fatigue, and chronic, acute pain like headaches.

Hybrid

Sta

Stardawg

STARDAWG, a cross between Chemdawg 4 and Tres Dawg, is named for the bright, sparkling crystal trichomes that blanket the strain. Paired with an earthy pine and sour diesel flavor, this strain's uplifting effects are ideal for those treating stress, fatigue, and anxiety disorders.

Hybrid

Ssb

Strawberry Switchblade

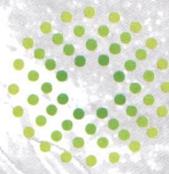
STRAWBERRY SWITCHBLADE is the essence of Strawberry Breeding wrapped up in a beautiful package. This is the F2 version of the original, bred towards a stronger strawberry dominance and colorful phenos.

Hybrid

Stt

Strawberry Tangie

STRAWBERRY TANGIE is hybrid with a sweet, sugary flavor that matches the bright, happy, and energizing effect it provides, as well as an increase in creativity, focus, and motivation. As a result, Strawberry Tangie is perfect for helping to treat chronic fatigue, migraines, ADD/ADHD, depression, neuropathy, and stress.



THC STRAINS

Hybrid

Bak

Banana Kush

depression.

BANANA KUSH is a cross between Ghost OG and Skunk Haze, creating an indica-dominant hybrid that tastes and smells like a fresh bundle of bananas.

Thanks to its impressive lineage, Banana Kush boasts a relaxed sense of euphoria, making it ideal for those looking for relief from stress or

Hybrid

Gg4

GG4

GG4 is a potent hybrid strain that delivers heavy-handed euphoria and relaxation, leaving you feeling "glued" to the couch.

Its parent strains are Chem's Sister, Sour Dubb, and Chocolate Diesel. This multiple award winning hybrid's supremacy is no longer a secret.

Hybrid

Bss

Boss OG

BOSS OG is a fragrant hybrid with qualities similar to OG Kush and Fire OG, emitting a unique blend of lemon, lime, and fuel aromas and leading to a euphoric, relaxed feeling.

Boss OG helps to treat pain, stress, fatigue, and depression.

Hybrid

Glz

Gilz Nilz

GILZ NILZ is bred from The White and Georgia Pine, making it an exceptional and robust plant. The strain balances cerebral and physical effects, offering a lucid and manageable feeling that mellows stress, pain, nausea, depression, and insomnia.

Hybrid

Cd

Chemdawg

CHEMDAWG tends to be very potent, averaging THC levels of 15-20%.

Consumers can expect to have a very cerebral experience coupled with a strong, heavy-bodied feeling.

Hybrid

Gg

Gorilla Grapes

GORILLA GRAPES is a unique hybrid, similar to its parent strains, Gorilla Glue and Vino OG, creating a raw yet sweet wine-like scent and taste.

This hybrid strain provides potent pain relief, while assisting with stress relief, anxiety, depression, and insomnia.

Hybrid

Cdi

Chunky Diesel

lack of appetite.

CHUNKY DIESEL is a rare hybrid with classic roots: Deep Chunk and Sour Diesel. Chunky Diesel is destined to please sativa aficionados, offering a pleasant, clear-headed mental state and a terpene profile consists of diesel, skunk, and chocolate-covered espresso beans.

In addition to an elevated, improved mood, Chunky Diesel assists with depression, fatigue, nausea, pain, and

Hybrid

Gsc

GSC

Patients needing a strong dose of relief, however, may look to GSC for severe pain, nausea, and appetite loss.

GSC is an OG Kush and Durban Poison hybrid cross. With a sweet and earthy aroma, GSC launches you to euphoria's top floor where full-body relaxation meets a time-bending cerebral space.

A little goes a long way with this hybrid, whose THC heights have won GSC numerous awards.

Hybrid

Dwk

Dogwalker OG

The Sativa side of Dogwalker OG promotes focus, while its Indica counterpart induces deep relaxation that easily converts to sleep in high doses. This THC-rich hybrid can be used for a variety of maladies, particularly pain, mood disorders, and appetite loss.

DOGWALKER OG is a balanced hybrid bred by combining Albert Walker OG and Chemdawg 91. With a complex profile of woody and skinky aromas, Dogwalker OG delivers a strong cerebral calm that radiates throughout the body over time.

Hybrid

Hag

Harlequin GDP

HARLEQUIN GDP is an earthy, slightly sweet 1:1, high CBD-dominant hybrid of Granddaddy Purple and Harlequin that leaves you feeling lucid, relaxed, and cozy, without leaving you couch-locked. As a result, this strain is ideal for those looking to treat pain, muscle spasms, depression, and stress.

Hybrid

Hb

Headband

HEADBAND is a hybrid with powerful parents: OG Kush and Sour Diesel. The smooth, creamy flavor is accented with hints of lemon and diesel, making it's long-lasting effects that much sweeter.

This strain is for those looking for relief from pain, stress, depression, and insomnia.

Hybrid

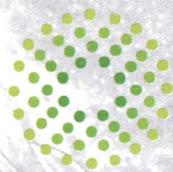
Dq

Dream Queen

stress, insomnia, depression, fatigue, and headaches/migranes.

DREAM QUEEN is a cheeky name for a powerful sativa-dominant hybrid known for the euphoric effects patients experience. A cross between Blue Dream and Space Queen, Dream Queen smells like pineapple and bubblegum and tastes like citrus and methol.

This strain will help patients find relief from



THC STRAINS

Hybrid

Sek

Sunshine Kush

SUNSHINE KUSH by Sunshine Cannabis boasts both high THC levels and medicinal CBD benefits. The broad terpene profile maximizes the "entourage effect" in this indica-dominant hybrid. This Trulieve-exclusive strain relieves patients of a variety of ailments, including pain, inflammation, migraines, PTSD, anxiety, digestive issues, and insomnia.

Hybrid

Tw

Trainwreck

TRAINWRECK is a potent sativa-leaning hybrid, bred from a mixture of Mexican and Thai sativas and Afghani indicas, resulting in a sweet lemon and spicy pine aroma. Trainwreck offers a surge of euphoria, which awakens creativity and happiness, offers relief from migraines, pain, and arthritis, and helps battle anxiety, ADD/ADHD, and PTSD.

Hybrid

Tbo

TruBerry OG

TRUBERRY OG is a balanced hybrid with a heritage linked to OG Kush, Skunk, and Berry. This strain is ideally suited for those seeking relief from stress, depression, and pain.

Indica

Bbk

Blackberry Kush

BLACKBERRY KUSH is a strong indica with a distinct hashy, jet fuel scent balanced with a sweet berry taste.

Due to its powerful indica roots, this strain is most effective at fighting pain, insomnia, stress, depression, and more.

Indica

Dia

Diablo

DIABLO is an award-winning indica with lineage from Grapefruit, Blueberry, and South African sativa, known for its iconic fruity yet spicy flavor.

The resulting relaxed and happy mood lends itself well to patients seeking treatment for stress, insomnia, depression, and fatigue.

Indica

Dos

Do-Si-Dos

DO-SI-DOS is an indica with qualities similar to its parent, GSC, known for a pungent, sweet, and earthy with slight floral aroma.

The strain offers potent full-body relief, best suited for patients with stress, pain, insomnia, depression, and lack of appetite.

Indica

God

God's Gift

GOD'S GIFT is a potent indica, bred from OG Kush and Granddaddy Purple and features flavors of grape, citrus, and hash.

This classic strain lends itself to a relaxed, happy mood, making it a match for those seeking relief from stress, depression, fatigue, insomnia, and pain.

Indica

Gdp

Granddaddy Purple

GRANDDADDY PURPLE is a famous indica cross between Purple Urkle and Big Bud.

Its potent psychoactive effects are clearly detectable in both mind and body, delivering a fusion of cerebral euphoria and physical relaxation. Like most heavy Indica varieties, Granddaddy Purple is typically used to treat pain, insomnia, appetite loss, and muscle spasms.

Indica

Ppu

Purple Punch

PURPLE PUNCH is the sweet and sedating union of two classic indicas: Larry OG and Granddaddy Purple. The potency of this strain leads to powerful mind and body effects, helping with the management of nausea, stress, body aches, and sleeplessness.

Indica

Sky

Skywalker

SKYWALKER is an indica focused on helping patients with pain relief and relaxation.

With a satisfying mix of earthy and flowery yet sweet flavors, Skywalker is ideal for those looking to combat pain, stress, depression, insomnia, and nausea.

Indica

9lb

9 Pound Hammer

9LB HAMMER is an best-selling indica strain that crosses Gooberry, Hells OG, and Jack the Ripper. Its dense buds are coated in resin, offering sweet grape and lime flavors. True to its indica-dominant heritage, effects are heavy and long-lasting, useful for pain, insomnia, and stress relief.

Sativa

Clm

Clementine

CLEMENTINE is an award-winning sweet, citrus flavored sativa hybrid with roots in Tangie and Lemon Skunk.

Clementine is a mood booster with a happy, euphoric effect that is powerful against depression, stress, pain, fatigue, and nausea.

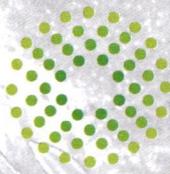
Sativa

Cg

Colombian Gold

COLOMBIAN GOLD is a classic sativa with origins in the mountains of Colombia. With skunky yet sweet notes of lemon and lime, this sativa has bred many famous strains.

It's active, uplifting effects are best for patients needing relief from ADD/ADHD, depression, muscle tension and spasms, pain, and other physical symptoms.



THC STRAINS

Sativa

Dp

Durban Poison

DURBAN POISON is a pure sativa that originated in South Africa and gained notoriety for its sweet smell and uplifting effects.

Durban Poison is the best strain to help you stay productive through a busy day or to kickstart your creativity.

Sativa

Gc

Green Crack

GREEN CRACK may have a misleading name but don't let it fool you as this strain is one-of-a-kind. Few compare to the sharp energy and focus Green Crack induces with a tangy, fruity flavor reminiscent of mango.

Green Crack is a great option for the daytime as it helps with fatigue, stress, and pain.

Sativa

Jh

Jack Herer

JACK HERER is a sativa-dominant cross between several strains, including Haze, Northern Lights #5, and Shiva Skunk. The strain was created to elevate cerebral function, including creativity, clear-headedness, and stress reduction.

Jack Herer offers relief from stress, depression, fatigue, pain, and lack of appetite.

Sativa

Lme

Lemon Meringue

LEMON MERINGUE is a sweet, zesty cross of Lemon Skunk and Cookies and Cream, creating a pungent aroma of citrus, diesel, and nuttiness.

Lemon Meringue offers uplifting mental effects and sativa-driven energy, encouraging physical activity and making it a go-to for combating fatigue, depression, and headaches.

Sativa

Sd

Sour Diesel

SOUR DIESEL is fast-acting strain that delivers energizing, dreamy, cerebral effects, which has pushed it into a legendary status.

Stress, pain, and depression fade away in long-lasting relief that makes Sour Diesel a top choice among patients.

Sativa

Slh

Super Lemon Haze

SUPER LEMON HAZE is a Sativa-dominant hybrid of Lemon Skunk and Super Silver Haze.

Super Lemon Haze is a kief-caked multi-colored wonder. As the name implies this strain has lemony characteristics. The smell is zesty, citrusy, and a little sweet. As for the taste, it's everything one would expect from

the namesake: tart and sweet. The effects are uniquely energetic and lively.

Sativa

Ss

Super Silver Haze

SUPER SILVER HAZE is bred from a mix of legendary strains and boasts an uplifting, energetic, full-body effect. Patients will find an effective treatment against stress, anxiety, nausea, lack of appetite, and fatigue.

Sativa

Ssd

Super Sour Diesel

SUPER SOUR DIESEL takes the best effects of its parent strains - Sour Diesel and Super Silver Haze - to reduce stress and pain while fostering creativity, energy, and feelings of euphoria. This strain is powerful and may not be recommended for first-time users.

Super Sour Diesel helps patients struggling with stress, depression, pain, and fatigue.

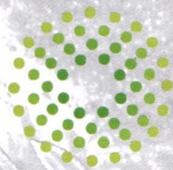
Sativa

Wbf

White Buffalo

WHITE BUFFALO is an 80/20 sativa-dominant strain that descends from a Romulan and a Blackberry Kush/Bay 11 hybrid. Covered in a snowy coat of crystal trichomes, White Buffalo is a cherished rarity with its sweetly sour flavor.

White Buffalo provides a powerful blast of euphoria that may surprise any consumer expecting an active and uplifting sativa experience.



CBD STRAINS

CBD

Rem

Remedy

REMEDY is a cross between Cannatonic and Afghan Skunk, and is high in CBD which induces little to no psychoactive effects. Remedy can reach CBD levels as high as 15% while THC is found in trace amounts (less than 1%).

Upon inhaling the sweet, floral notes of Remedy, the consumer is lifted into a state of mellow relaxation that differs greatly from the jarring experience induced by high THC strains. Patients looking to medicate without the pronounced effects of THC may turn to Remedy to treat seizures, pain, autism, inflammation, and anxiety disorders.

CBD

Acd

ACDC

ACDC is a hybrid with strong sativa influences inherited from its parent, Cannatonic. A notable characteristic of ACDC is the ratio of THC to CBD, which results in little to no psychoactive effects.

ACDC's unique formula make it most effective for patients looking to treat pain, anxiety, epilepsy, multiple sclerosis, and nausea without intoxication.



For more info about our strains
visit vidacann.com/strains

HYBRID

Cookie Toast

Flavors Earthy, Sweet, Spicy/Herbal
Effects Euphoric, Uplifted, Happy, Relaxed, Hungry
Terpenes Pinene, Myrcene, Farnesene

Duct Tape

Flavors Earthy, Skunk, Diesel
Effects Relaxed, Euphoric, Happy, Hungry, Uplifted
Terpenes Myrcene, Caryophyllene, Limonene

Gelato #33

Flavors Spicy/Herbal, Peppery, Citrus
Effects Happy, Relaxed, Uplifted, Euphoric, Focused
Terpenes Caryophyllene, Limonene, Pinene

Ghost Toast

Flavors Lemon, Sweet, Diesel
Effects Happy, Relaxed, Uplifted, Euphoric, Creative
Terpenes Myrcene, Limonene, Pinene

Glueball

Flavors Earthy, Pine, Diesel
Effects Happy, Euphoric, Uplifted, Relaxed, Energetic
Terpenes Caryophyllene, Myrcene, Humulene

Grape Tr3

Flavors Grape, Sweet, Berry
Effects Happy, Relaxed, Uplifted, Euphoric, Creative
Terpenes Caryophyllene, Humulene, Limonene

GSC

Flavors Peppery, Citrus, Hoppy
Effects Happy, Relaxed, Euphoric, Uplifted, Creative
Terpenes Caryophyllene, Limonene, Humulene

Kush Cake

Flavors Sweet, Vanilla, Lemon
Effects Happy, Relaxed, Euphoric, Creative, Uplifted
Terpenes Limonene, Caryophyllene, Farnesene

Mac 1

Flavors Diesel, Spicy/Herbal, Citrus
Effects Relaxed, Happy, Euphoric, Uplifted, Creative
Terpenes Limonene, Caryophyllene, Linalool

Mandarin Cookies

Flavors Citrus, Orange, Earthy
Effects Happy, Uplifted, Relaxed, Euphoric, Creative
Terpenes Myrcene, Farnesene, Caryophyllene

INDICA

King Dosi

Flavors Earthy, Sweet, Pine
Effects Relaxed, Sleepy, Happy, Euphoric, Hungry
Terpenes Myrcene, Limonene, Caryophyllene

Pakistani Chitral Kush

Flavors Earthy, Sweet, Flowery
Effects Relaxed, Happy, Sleepy, Euphoric, Hungry
Terpenes Myrcene, Limonene, Caryophyllene

Slurrricane

Flavors Sweet, Grape, Berry
Effects Relaxed, Happy, Euphoric, Sleepy, Uplifted
Terpenes Caryophyllene, Cedrene, Humulene

SATIVA

Durban Poison

Flavors Sweet, Spicy/Herbal, Citrus
Effects Energetic, Uplifted, Happy, Euphoric, Creative
Terpenes Caryophyllene, Humulene, Limonene

Strawberry Cough

Flavors Strawberry, Sweet, Berry
Effects Happy, Uplifted, Euphoric, Energetic, Relaxed
Terpenes Pinene, Myrcene, Caryophyllene

Super Lemon Haze

Flavors Lemon, Sweet, Flowery
Effects Happy, Energetic, Uplifted, Euphoric, Creative
Terpenes Caryophyllene, Terpinolene, Myrcene

Tropicanna Haze

Flavors Orange, Skunk, Hoppy
Effects Euphoric, Happy, Relaxed, Uplifted, Creative
Terpenes Limonene, Caryophyllene, Myrcene



TIKUN

**Made by Nature.
Backed by Science.**

The most trusted name in cannabis.

In Hebrew, Tikun Olam means “Repair the World.” We embrace this as our mission and are dedicated to improving the lives of our patients by providing high-quality cannabis that is consistently safe and effective. Backed by over a decade of research, our strains are expertly cultivated, medically tested, and patient approved.



History & Heritage

In 1964, Dr. Raphael Mechoulam discovered and isolated the THC cannabinoid at the Hebrew University of Jerusalem. His findings launched decades of scientific research into the therapeutic uses of the cannabis plant. During this time, Mechoulam mentored our founder, Tzachi Cohen, who was inspired to open a non-profit organization with a mission to “Repair the World” by providing patients with safe and consistent cannabis medicine. In 2005, Tikun Olam was born and in 2007, we made history as the world’s first company granted a government-issued license to supply medical cannabis.

With Israel’s blessing, we began partnering with hospitals, nursing homes, and co-ops to distribute our medical grade cannabis, working with certified nurses to ensure our patients received personalized treatment plans. Through attentive patient care, we amassed what now forms one of the world’s largest cannabis treatment databases - with more than 20,000 patient records noting symptoms, strain used, dosage, and associated levels of relief. We’ve used this data to develop and genetically optimize our portfolio of proprietary cannabis strains, which have now been clinically proven to provide symptomatic relief for a wide variety of conditions, including Crohn’s Disease, Parkinson’s Disease, autism, cancer, IBD, and more.

Commitment to Research

Research and development are integral to fulfilling our vision. Building on the discoveries and legacy of Dr. Raphael Mechoulam, we sustain partnerships and collaborative relations with physicians, scientists, and leading medical institutions across the world. We continually conduct laboratory studies, retrospective analyses, and clinical trials to examine the effects our strains have in the treatment and management of specific symptoms and diseases. Our clinical successes have encouraged us to devote more resources to further improve the safety and efficacy of our products, as well as our understanding of the therapeutic properties of the cannabis plant. Through our ongoing commitment to research, we’ve earned our reputation as *the most trusted name in cannabis*.

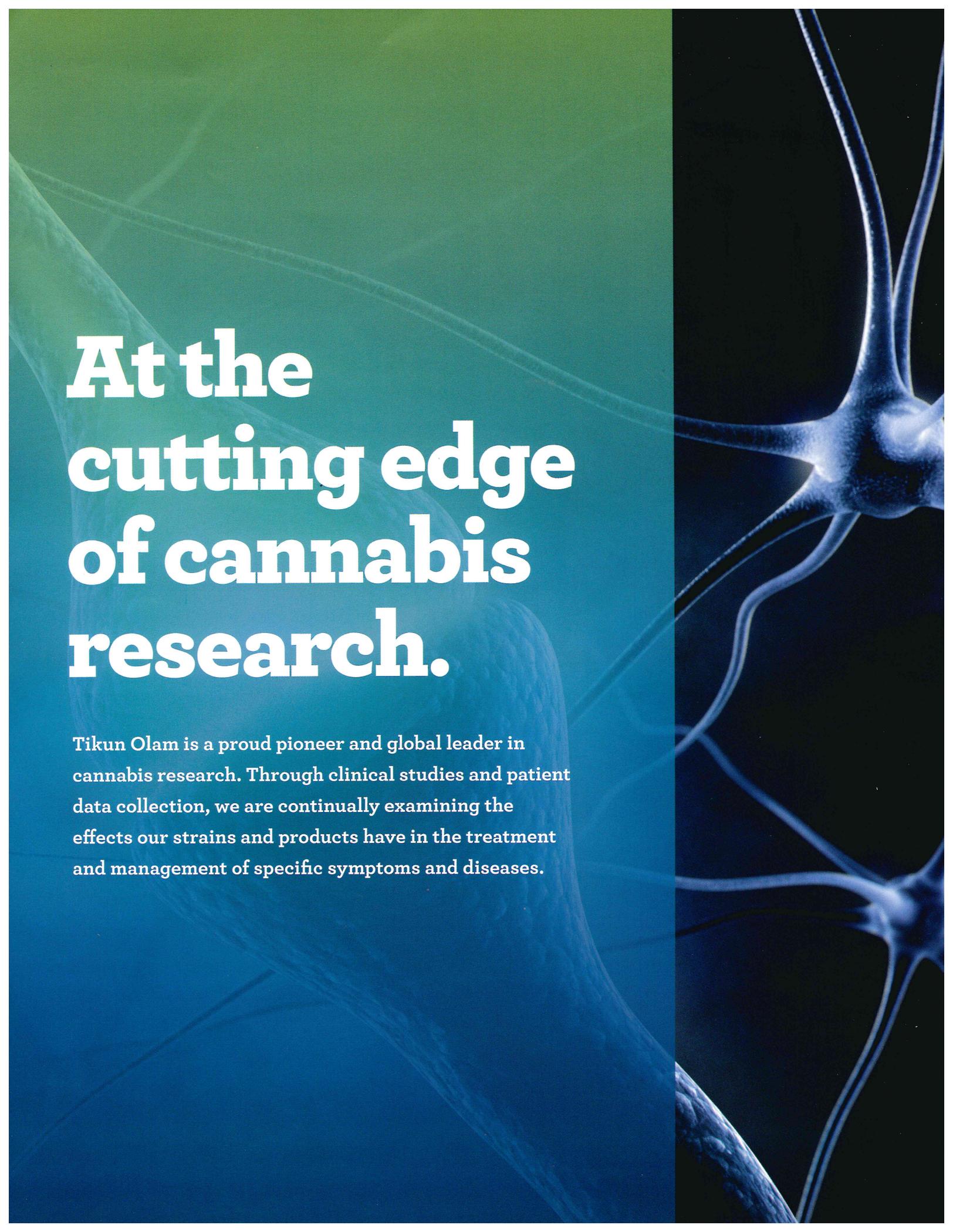
Global Reach

Tikun Olam is proud to be a global leader in medical cannabis, dedicated to improving the overall wellness and quality of life of our patients worldwide. Through trusted partnerships, our medicine now reaches tens of thousands of patients in Australia, Canada, Germany, South Korea, Greece, the UK, the US, and Israel. Our vision to “Repair the World” has become a reality as we continue our global expansion.



The Tikun Advantage

- Award-winning proprietary Israeli strains that have been genetically optimized to maximize symptomatic relief
- More than ten years of clinical trials and laboratory studies successfully treating ailments like cancer pain, autism, and epilepsy
- World’s only successful Phase II double-blind clinical trial on cannabis for Crohn’s Disease
- High-CBD strain, Avidekel, was named the first “highless marijuana” by Reuters
- One of the world’s largest treatment databases, with over 20,000 patients treated with Tikun cannabis



At the cutting edge of cannabis research.

Tikun Olam is a proud pioneer and global leader in cannabis research. Through clinical studies and patient data collection, we are continually examining the effects our strains and products have in the treatment and management of specific symptoms and diseases.

Clinical Studies

Rooted in Israel's regulatory environment, Tikun Olam has conducted cannabis studies and collected patient data since 2007.

We've seen overwhelmingly positive results in cannabis' ability to improve our patients' quality of life, which has motivated our ongoing commitment to research.

Below is a select outline of our published studies, as well as internal analyses of our treatment database of over 20,000 cannabis patients.

Crohn's Disease

- World's first and only successful Phase II double-blind study using cannabis to treat Crohn's
- Using our Erez strain, 45% of patients achieved full remission, based on the Crohn's Disease Activity Index
- Patients reported significantly less pain, improved appetite and quality of life

Parkinson's Disease

- 82.2% of patients reported that cannabis improved their overall symptoms, including reduction in tremors, muscle stiffness, and pain; improvement in mood and sleep quality

Palliative Geriatric Care

- This study found that the therapeutic use of cannabis is a safe and efficacious treatment option for the elderly
- Using Midnight, Avidekel, and other THC-rich Tikun Olam strains, 95.9% of patients reported an improvement in their condition
- Patients reported pain relief, mood improvement, and increase in appetite and sleeping hours
- 35.1% of patients reduced their number of drugs taken or the dosage, including 18.1% who stopped using opioids or reduced their dose

Tourette's Syndrome

- 83% of patients reported improvement in tic quantity, intensity, and premonitory urge

Complex Motor Disorders

- Using our Avidekel cannabis oil, most participants reported significant improvement in spasticity and dystonia, sleep difficulties, pain severity, and quality of life

Palliative Cancer Care

- This study found that cannabis as a palliative treatment for cancer patients is a well-tolerated, effective, and safe option to help patients cope with cancer-related symptoms
- 95.9% of patients reported an improvement in their condition using Midnight, Avidekel, and other THC-rich Tikun Olam strains
- The most improved symptoms were nausea and vomiting (91%), sleep disorders (87.5%), restlessness (87.5%), anxiety and depression (84.2%), pruritus (82.1%) and headaches (81.4%)
- 35.1% of patients decreased their drug consumption, including analgesics, sedatives, corticosteroids, and opioids

Symptom Relief

- In a study of Tikun Olam patients using our strains to treat various ailments, 94% reported an improvement in their condition
- Most patients experienced pain reduction and many reported improved sleep, mood, and appetite
- 62% of patients reduced their medication consumption

Pain & Inflammation

- Our high-CBD strain, Avidekel, exhibited superior anti-inflammatory effectiveness to Tramadol (an opioid analgesic) and aspirin (a non-steroid anti-inflammatory)

Autism

- Using Avidekel oil, 90.2% of children with ASD reported improvement in their symptoms, including reduction in rage attacks, restlessness, depression, anxiety, seizures, and digestion problems
- 34.3% of patients decreased medication consumption, including antipsychotics, antiepileptics, antidepressants, hypnotics, and sedatives; 20% of patients stopped taking antipsychotics altogether

Studies in Progress

Tikun Olam's team of scientists is continually conducting patient research. We're currently studying the effects of cannabis on Colitis, IBD, fibromyalgia, immune response, and more. To stay updated on our research and subscribe to our email list, visit [trytikun.com](https://www.trytikun.com).



TIKUN

Symptom Relief Results

Using Tikun Strains

SYMPTOM	TOP STRAINS (in order)	Percentage of Patients Who Experienced Slight to Significant Improvement
ANXIETY	Erez Alaska Midnight	77%
DEPRESSION	Alaska Erez Midnight	80%
DIGESTION PROBLEMS	Alaska Erez Midnight	59%
DROWSINESS	Alaska Erez Eran Almog Midnight	54%
HEADACHE	Erez Alaska Eran Almog Avidekel	63%
HIVES	Avidekel Alaska Midnight	51%
HYPERTENSION	Alaska Erez Midnight Avidekel	61%
INSOMNIA	Erez Alaska Eran Almog	79%
ITCHY SKIN	Erez Alaska Or Midnight Avidekel	69%
LIMITED MOBILITY	Alaska Erez Midnight	40%
NAUSEA	Alaska Erez Midnight	72%
SEIZURES	Avidekel Erez Eran Almog	79%
SLEEP PROBLEMS	Erez Alaska Eran Almog	81%
SPASMS	Alaska Erez	58%
SPASTICITY	Alaska Erez Midnight	69%
SPEECH IMPAIRMENT	Avidekel	45%
TREMOR	Alaska Erez Or	72%
VOMITING	Alaska Erez Midnight	71%
WEAKNESS	Alaska Erez Midnight	53%



The information above was collected during a seven year observational study in Israel, measuring the effectiveness of Tikun Olam strains in the treatment of specific conditions and ailments of a select group of patients.

The strains are listed in order of reported symptom relief. Your individual results may vary.

Please note that these study results should serve as a guide, but not replace expert medical advice. Patients should consult with their physician prior to starting a new therapy, especially when combining with other medications.

To learn more about our medical research, visit tikunolam.com.

Award-Winning Heirloom Strains

MEDICAL GRADE STRAINS

KEY	Midnight	Alaska	Avidekel	Or	Erez	Eran Almog
TYPE	Hybrid 1:1	Sativa THC	Indica 15:1 CBD:THC	Indica THC	Indica THC	Indica THC
WHEN	DAY & NIGHT TIME	DAY TIME	DAY & NIGHT TIME	NIGHT TIME	NIGHT TIME	NIGHT TIME
EFFECTS	Balanced & Focused	Uplifting & Energizing	Restorative & Anti-Inflammatory	Relaxing & Tranquil	Serene & Calming	Restful & Soothing
TOP TERPENES	Beta-Myrcene, Limonene, Linalool	Alpha-Pinene, Beta-Myrcene, Beta-Pinene	Beta-Myrcene, Alpha-Pinene, Limonene	Alpha-Pinene, Beta-Myrcene, Beta-Pinene	Beta-Myrcene, Alpha-Pinene, Beta-Pinene	Alpha Pinene, Beta-Myrcene, Limonene
MEDICAL RESEARCH	Crohn's/Colitis, Chronic Pain, MS, Fibromyalgia, Neurological Ailments	Crohn's/Colitis, Depression, Anxiety, Appetite, MS	Autism, PTSD, Cancer, Crohn's/Colitis, Migraines, Epilepsy, Fibromyalgia	Insomnia, Appetite, Epilepsy, Cancer, ALS, Muscle Spasms	Insomnia, PTSD, Cancer, ALS, Muscle Spasms, Chronic Pain	Insomnia, PTSD, Muscle Spasms, Nausea, Chronic Pain

MOST COMMON TERPENES



Alpha-Humulene

Aroma: Hoppy

Effects: appetite suppressant, pain relief, antibacterial, anti-inflammatory, anti-tumor

Guaiol

Aroma: Woodsy

Effects: antibacterial, anti-inflammatory, anti-allergen

Alpha & Beta Pinene

Aroma: Pine

Effects: memory retention, bronchodilator, anti-inflammatory, antiseptic, antioxidant

Ocimene

Aroma: Fruity

Effects: decongestant, anti-inflammatory, antibacterial, antiviral

Beta-Myrcene

Aroma: Earthy

Effects: relaxation, sedation, pain relief, anti-inflammatory, antioxidant

Beta-Caryophyllene

Aroma: Spicy

Effects: pain relief, anti-anxiety, antidepressant, antioxidant, anti-inflammatory

Limonene

Aroma: Citrus

Effects: elevated mood, stress relief, antibacterial, immunostimulant

Linalool

Aroma: Floral

Effects: anti-anxiety, sedation, anticonvulsant, anti-inflammatory, pain relief

FLORIDA PRODUCT LINE



Vaporizer

- High-purity distillate
- Full strain flavor & terpene profile
- .5g and 1g cartridges



Topical

- All natural ingredients
- Terpene & vitamin enriched
- 2oz cream, 300mg of cannabinoids



Tincture

- All natural & high-potency
- Strain-specific terpenes, CO₂ extracted
- 1oz oil, 500mg of cannabinoids

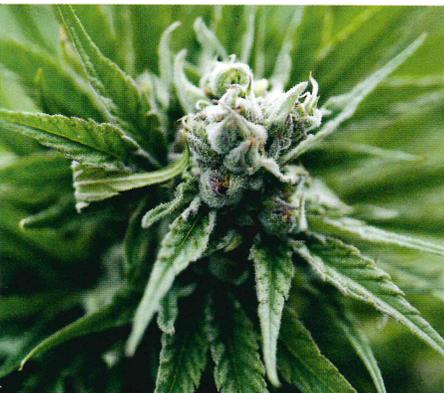


Avidekel

High Times Dope Cup
Best CBD Vape Cartridge (2019)
Best Sublingual (2019)

Seattle Hempfest
Most Potent CBD Flower (2018)

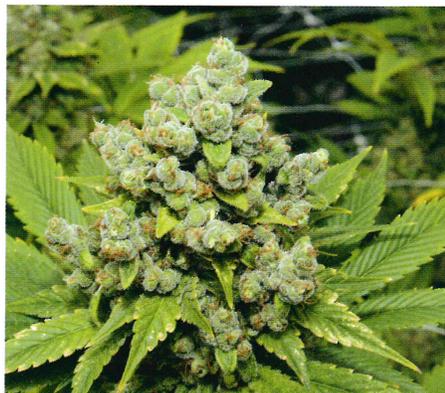
Canadian Cannabis Awards
Top High CBD Flower (2017)
Top High CBD Oil (2017)
Top High CBD Strain (2015, 2016)
Rolling Stone's Best Strains of 2017



Midnight

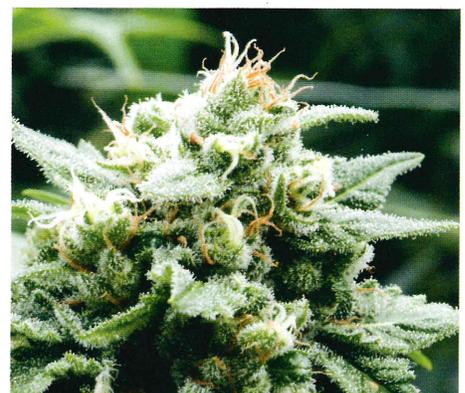
High Times Dope Cup
Best Topical

Canadian Cannabis Awards
Top Hybrid Flower (2017)
Top Hybrid Strain (2014, 2016)
Top High CBD Strain (2014)



Eran Almog

Canadian Cannabis Awards
Top High THC Flower (2017)



Erez

Canadian Cannabis Awards
Top Indica Strain (2014)



Rolling Stone





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