

**Fundamental Cannabis Education** 

## Every patient is different....

Learn about cannabis and the products that best meet your needs.

The goal is for you to have the information you need as a patient to make good decisions and find products that meet all of your needs.

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## Commonly used strains (Phenotype) of Cannabis Commonly used strains (Lenotype) of Cannabis Commonly used strain

Sativa - Gives an uplifting and energetic feeling

Indica - Gives a relaxing and sedating effect, some say it's a "whole body" experience.

Hybrid - Gives a mix of effects of both Sativa and Indica







## Therapeutic Effects of Terpenes Luesabentic Ettects of Lebenes

## TERPENE BENEFITS

NAME

FOUND IN

**EFFECTS** 

AROMA

STRAINS

MYRCENE



anti-inflammatory sedative muscle relaxant pain relief

musky herbal somewhat citrusy Chemdawg Grape Stomper Fire Alien Kush Agent Orange

A-PINENE



boosts energy improves focus bronchodilator improves memory

pine fresh mountain air slightly woody Vanilla Kush Cookie Cross 9lb Hammer Lavender

CARYOPHYLLENE



pain relief anti-depressant anti-inflammatory anti-anxiety

spicy woody pepper Gorilla Glue #4
Tangerine Dream
Sage N Sour
Pineapple Express

LIMONENE



improves mood anti-anxiety anti-depressant relieves nausea

citrus lemon orange GSC (Cookies) Pre-98 Bubba Kush Tangerine Dream Cush / Green Crack

HUMULENE



anti-inflammatory appetite suppressant pain relief anti-tumor woody earthy herbal spicy Liberty Haze Gorilla Glue #4 Cush / Green Crack Sage N Sour

LINALOOL



anti-anxiety sedative pain relief anti-bacterial floral sugar citrus Bubble Gum 9lb Hammer Sour Diesel Locomotion

# 3 Common methods of using Cannabis

## **INHALATION**

Oral delivery techniques that are administered through smoking or vaping.

TOPICALS

Administered on the skin and is absorbed through



your blood stream.

## Topical

#### LOTIONS/OINTMENTS/SALVES & BALM

 Cannabis can also be put into different items for topical applications such as lotion, burn cream, ointments, lip balms and the like.

#### PATCHES

 Cannabis patches have been created that release cannabinoids over time so that you get extended relief in the area of application.

#### LUBRICANTS/SUPPOSITORIES

 Cannabis lubricants and suppositories have also been created to address specific needs related to each - cannabis can increase sexual sensitivity and arousal and provide extreme benefit to individuals suffering from GI tract issues.

## Inhalation

#### SMOKING

 Cannabis, like most plants, produces a flower. You smoke cannabis flower in order to medicate. You can purchase whole flowers that you break down and smoke yourself, or use pre-rolled items like joints, blunts, and wraps.

#### VAPING

 Vaping is heating a cannabis oil up until begins to vaporize rather than combust.
 Cannabis oil is extracted from the plant and put in to a small, discrete device called a cartridge that attaches to a battery for quick vaporization and delivery.

## • CONCENTRATES (DABS)

 Concentrates are forms of extracted cannabis that come in different consistencies that give their names (shatter, batter, wax, distillate, crumble, rosin, hash, resin). These items are consumed using a different device than a cartridge and battery (called a dab rig), but still follows the principal of vaporization.

# ORAL INGESTION

Oral delivery through ingestible oils, and infused food & drinks



## Oral Ingestion

#### FOOD AND DRINK ITEMS/COOKING ITEMS

 Cannabis can be directly extracted in to food items (edibles) or cannabis extracts can be used in cooking as an ingredient to a recipe. These edibles include gummies, hard candies, brownies, cookies, protein bars, and chocolate, among others.

### • SUBLINGUALS

 Cannabis extracts are also used to create sublingual products that sit in your mouth or gums in order to provide a slightly faster onset than edibles. These items include tinctures, lozenges, breathe strips and certain hard candies.

#### PILLS/TABLETS/CAPSULES

 Cannabis extracts can also be used to make pills/tablets/capsules that have a standardized dose per item, making it easy and discrete to take your medication.

## RSO (RICK SIMPSON OIL)

 RSO is a full plant extract designed for oral ingestion that can be put into capsules or put into a syringe for specific dosing. Instead of having a limited range of cannabinoids such as THC and CBD, RSO allows you to have the full range of medicine found in the cannabis plant.



# The cannabis plant contains more than 100 different cannabinoids. Below is a list of the most prevalent.

## Delta-9-Tetrahydrocannabinol (Δ9-THC):

This is a major cannabinoid and the main psychoactive constituent in the cannabis plant. Medical benefits include anti-inflammatory, pain relief, neuroprotectant, and spasticity reduction.

## Cannabidiol (CBD):

This is a major cannabinoid found within the cannabis plant. Medical benefits include anti-inflammatory, pain relief, antioxidant, and treatment of several neurological disorders.

## Delta-8-Tetrahydrocannabinol (Δ8-THC):

Psychoactive. Medical benefits include pain relief, anxiolytic, antiemetic, and treating insomnia. Also  $\Delta 8$  provides more of a body high than  $\Delta 9$ .

## Cannabigerol (CBG):

Non-psychoactive. Medical benefits include antimicrobial and antifungal properties used to fight bacterial infections, treatment of bladder dysfunction, neuroprotection, and pain relief.

## Cannabichromene (CBC):

Non-psychoactive. Medical benefits include anti-viral, antidepressant, pain relief, and treatment of migraines.

## Cannabichromevarin (CBCV):

Non-psychoactive. Medical benefits include acne prevention, pain relief, anti-inflammatory, and neuroprotection.

Bonni Goldstein. Cannabis Is Medicine: How CBD and Medical Cannabis Are Healing Everything from Anxiety to Chronic Pain. Headline; 2020

Backes M, Weil A, Mccue JD. Cannabis Pharmacy: The Practical Guide to Medical Marijuana. Black Dog & Leventhal Publishers; 2017.

Center for Complementary and Integrative Health. Cannabis (Marijuana) and Cannabinoids: What You Need to Know. NCCIH. Published November 2019. https://www.nccih.nih.gov/health/cannabis-marijuana-and-cannabinoids-what-you-need-to-know

# Myths about cannabis:

- ✓ The higher the THC the higher you get
- ✓ CBD will get you high or is a psychoactive
- ✓ Cannabis use leads to crime and delinquency
- ✓ There is a high risk of addition to cannabis
- ✓ Cannabis is a gateway drug
- ✓ Cannabis use causes cancer

# Test your knowledge...

Read through the phamphet and scans the QR code to take a quiz at the end to see how much you learned, or go ahead and see how much you already know!



## DRUG INTERACTION

Certain medications you are already taking may put you at risk of altered disposition by concomitant use of cannabis psychiatric medications Most therapy. and medications fall into this category, as do blood thinners, allergy, and asthma medications. These medications can slightly increase THC levels in the bloodstream due to interaction with the CYP3A4, CYP2C19, CYP2C9, and CYP1A2 enzymes. Interaction with these enzymes with which the prominent cannabinoids THC and CBD are also metabolized, can shift the metabolism of both the drugs prescribed, as well as the cannabinoids. Extra precautions should be taken if you are currently prescribed these types of medications. Please talk to your doctor or pharmacist to learn if the drugs you are taking interact with the aforementioned enzymes, and make sure to self-monitor with daily logging of symptom relief and any noted side effects especially sedation.

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Alsherbiny MA, Li CG. Medicinal Cannabis-Potential Drug Interactions. *Medicines (Basel)*. 2018;6(1):3. Published 2018 Dec 23. doi:10.3390/medicines6010003

Frye PC, Smitherman D. List of Drugs by Metabolism. In: *The Medical Marijuana Guide: Cannabis and Your Health.* Lanham: Rowman & Littlefield; 2018