



Medical Cannabis 101



Toll Free: 1-866-710-9770

www.apollocannabis.ca



Who is Apollo?

- Established in 2013, experts in medical cannabis
- Research-based
- More than 120,000 patients across Canada
- Team of Psychiatrists, Anesthesiologists, Neurologists, Pain Specialists, Psychiatrists, Family Doctors, Researchers, Academics, and Statisticians

Apollo's Research

Pain Reduction

- 43% reduction in interference with daily activities
- 37% reduction in pain severity
- 95% reduction in opioid use

PTSD

(Preliminary Results)

- 37% reduction in PTSD symptoms
- Improvements in:
 - Social functioning
 - Emotional wellbeing
 - Energy level

Driving

(Ongoing Research)

- Cannabis roadside screening
- In partnership with the University Health Network and the Ministry of Transportation



Who Are Our Patients?



Patient-Centric Appointments



Book Your Free
Appointment



Appointment
with a Healthcare
Practitioner



Personalized
Education &
Treatment Plan



Medication
Delivered &
Ongoing Support



Licensed Producers

- Licensed by Health Canada.
- Authorized to produce and sell to the public: Dried bud, oils, sprays, capsules, vape cartridges, edibles, and topicals.
- They adhere to rigorous standards and regulations and provide medical cannabis to authorized patients.
- Over 600 authorized LPs within Canada.
- Offer a range of products with various ratios of CBD:THC.





**BETTER SUITED
FOR DAYTIME**

SATIVA



**INCREASES
ENERGY
(FATIGUE)**



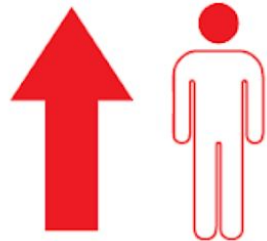
ANTI-DEPRESSANT



STIMULATING



**MIND
DOMINANT**



**UPLIFTING &
EUPHORIC**

**HELPS WITH
MOOD DISORDERS**

**INCREASES
ALERTNESS**



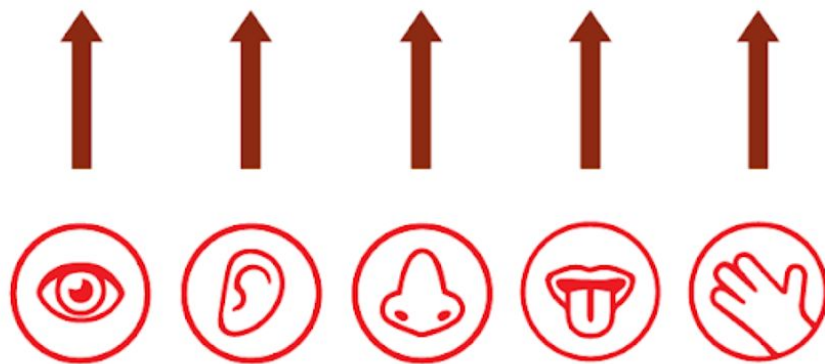
FOCUS



CREATIVITY



ENHANCED SENSES



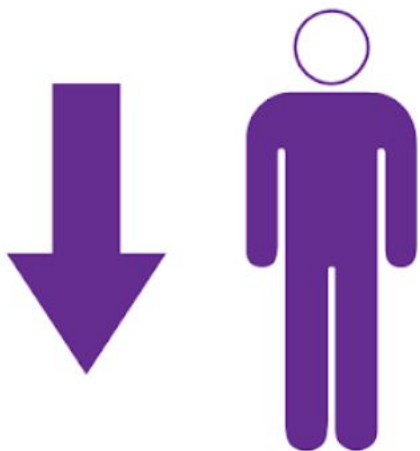


INDICA

BETTER SUITED
FOR NIGHTTIME



**BODY
DOMINANT**



**ANTI
NAUSEA**



**HELPS
WITH
SLEEP**
(INSOMNIA)

SEDATING



**DEEP
RELAXATION**



**ANTI
ANXIETY**

**APPETITE
STIMULANT**



**MUSCLE
RELAXANT**



**PAIN
RELIEF**



**REDUCES HEADACHES
AND MIGRAINES**

**REDUCES
MUSCLE SPASMS
AND SEIZURES**

The Medical Cannabis Compounds



Potential Medical Benefits

CBD (Cannabidiol)

- Non-psychoactive
- Anti-inflammatory
- Analgesic (pain killer)
- Neuroprotective
- Anti-nausea
- Antiemetic (prevents vomiting)
- Antipsychotic
- Anti-ischemic
- Anxiolytic (reduce anxiety)
- Anti-epileptiform

Hampson et al, 1998; Lewicke et al, 2012;
Mechoulam et al, 2007; Pertwee, 2008



Potential Medicinal Benefits

THC (Tetrahydrocannabinol)

- Analgesic via CB1, CB2
- Neuroprotective antioxidant
- Powerful anti-inflammatory
- Muscle relaxant
- Antiemetic (prevents vomiting)
- Appetite-stimulating
- Insomnia
- Primary psychoactive component

Trichomes

Cannabinoids are produced inside the heads of the trichomes.



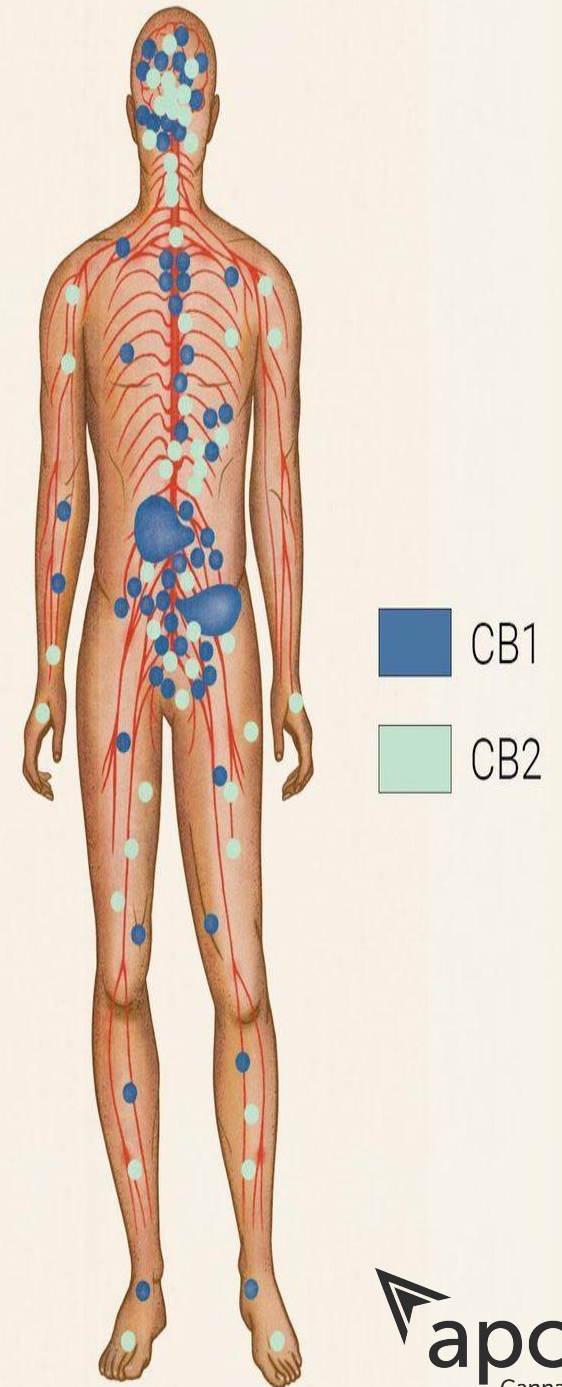
Medical Cannabinoids

Cannabinoids: A class of compounds that act on cannabinoid receptors in the human body.

Endocannabinoids: Cannabinoids that are naturally produced in the body (endogenous).

Phytocannabinoids: Cannabinoids that occur naturally in the cannabis plant. There are dozens, but CBD & THC are the most researched and recognized in the medical world.

Synthetic Cannabinoids: Laboratory-synthesized compounds that bind to cannabinoid receptors, e.g. pharmaceuticals (i.e. Nabilone)



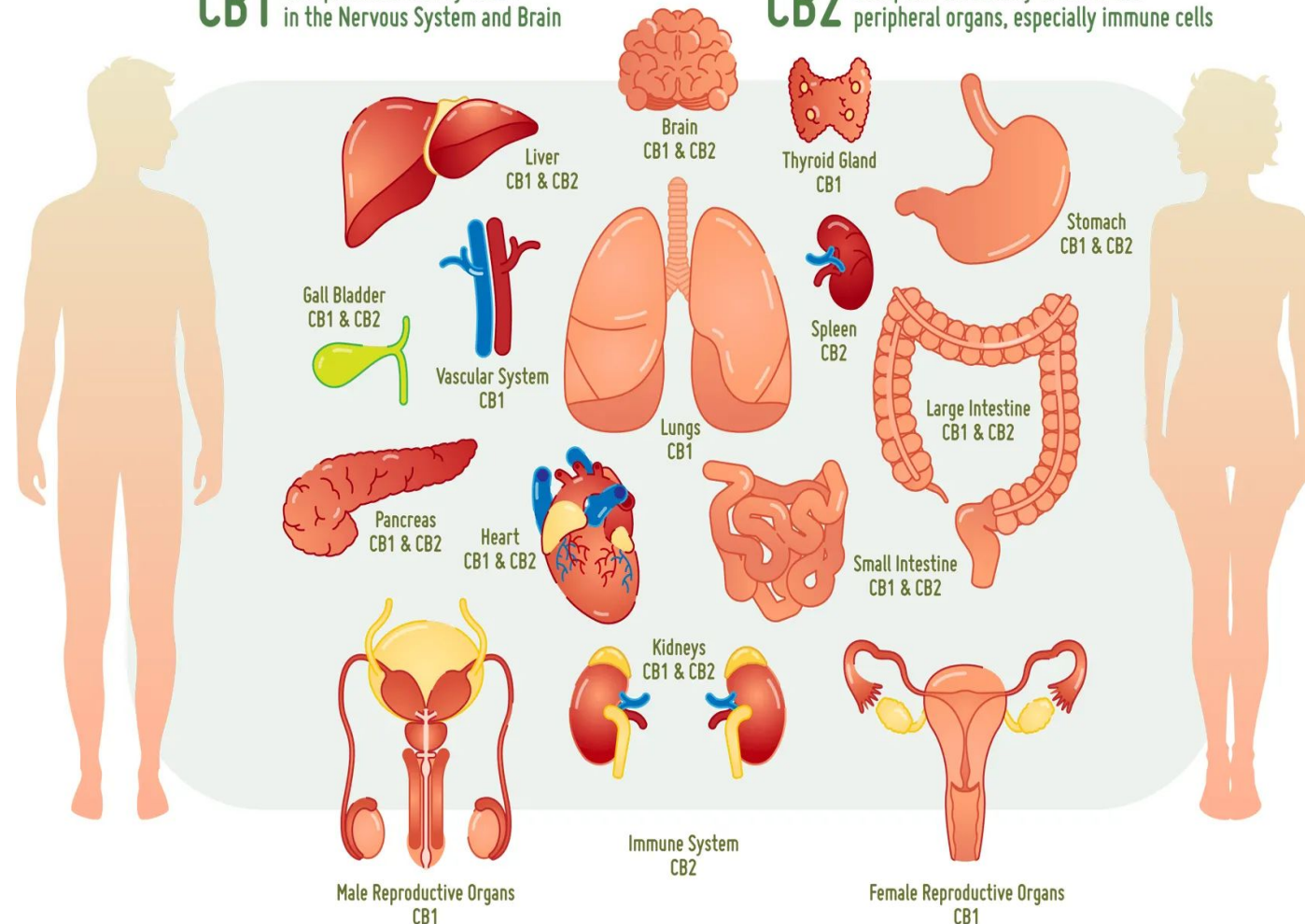
Endocannabinoid System

- Inflammation
- Pain
- Digestion
- Sleep
- Bone Density
- Mood
- Stress Regulation
- Reproduction

The Human Endocannabinoid System

CB1 Receptors are mostly found in the Nervous System and Brain

CB2 Receptors are mostly found in the peripheral organs, especially immune cells



Potential Therapeutic Uses

- Chronic Pain
- Sleep Issues
- Anxiety
- Cancer
- Fibromyalgia
- Migraines
- Endometriosis
- Arthritis
- PTSD
- Neuropathic Pain
- Stress
- Multiple Sclerosis
- Epilepsy
- Menopausal Symptoms
- Many More



EDS: How Can Cannabis Help?

Symptom Management

Apollo's published study surveyed 751 chronic pain patient who reported a 43% reduction in pain interference with daily activities & a 37% reduction in pain severity after following Apollo's treatment plan for 12 months.

In a 2018 survey, 984 medical marijuana patients with chronic pain reported an average score of 74.7% when asked how effectively cannabis relieved their' symptoms.



EDS: How Can Cannabis Help?

- Sleep
- Chronic pain (musculoskeletal / neuropathic)
- Mental health – depression, anxiety, insomnia
- Reduction in nausea (Caused from other medications)



Products Now Available for Medical Patients

Softgels, Oils & Edibles



Flower & Vaporizers



Topicals



Concentrates



Oil & Capsules & Edibles

- Edible
- Long lasting relief (4–8 hours)
- Takes 1–2 hours to ‘kick in’
- Easy to use
- Precise dosing
- Discreet

It's important to start low and go slow



www.apollocannabis.ca



Vaporizing

Vaporizer Cartridge/Pen

Prefilled with cannabis extract



- Releases the compounds
- Health Canada approved devices
- Inhale warm mist or vapor with medical compounds
- Fast acting (within 5 minutes)
- Shorter lasting (1-4 hours)

Dry Cannabis

Plant matter, heated in a vaporizer



Possible Side Effects

Possible

- Dizziness
- Dry Mouth
- Drowsiness
- Anxiety
- Red Eyes
- Fast Pulse
- Low Blood Pressure
- Cognitive Slowing

Uncommon

- Panic Attack
- Paranoia
- Psychosis

Opioid Overdose

- Respiratory Depression



How Addictive is Cannabis?

<u>Drug/Substance</u>	<u>Dependency</u>
Tobacco	32%
Heroin	23%
Cocaine	17%
Alcohol	15%
Cannabis	9%



Substitution Effect

- Alcohol substitute 40%
- Illicit drug substitute 26%
- Prescription drug substitute 65.8%

Many Patients use Medical Cannabis as harm reduction (Reiman 2009)



Medical vs. Recreational Cannabis

	Medical	Recreational
<i>What is it?</i>	Prescribed by a healthcare practitioner	Purchased through black market or licensed retailer
<i>Where is it purchased?</i>	Online/phone and delivered to residence	In store or online
<i>Medical Advice</i>	Personalized treatment plan with guidance on dosing, strain selection and ongoing support	Legally unable and unqualified to give medical advice, strain or dosing suggestions
<i>Cost</i>	Lower cost	Higher cost than medical - excise tax of 10% or \$1/Gram
<i>Supply</i>	Reserved for patients	Often shortages
<i>Insurance</i>	Auto insurance, Group benefits, Healthcare Spending Account	N/A
<i>Discounts</i>	Up to 30% discount for low income or disabled	N/A
<i>Tax-deductible?</i>	Medical expense	N/A

How Can Apollo Help?



Free of Charge



No Referral Needed



**Support
7 Days/Week**



**Pediatric to
Palliative Care**



Canada-Wide



**French & ASL
Available**

Dedicated Teams: Veterans, Long Term Care and MVA/Insurance

Contact Apollo to Learn More

1-866-710-9770

Booking@apolloresearch.ca

www.apollocannabis.ca