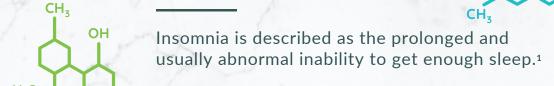
THE ROLE OF CANNABIS IN TREATING INSOMNIA





## Types of Insomnia<sup>2</sup>

#### Acute insomnia

a brief episode of difficulty sleeping, usually caused by a life event or travel. Often resolves without any treatment.



a long-term pattern of difficulty sleeping, usually considered chronic if a person has trouble falling asleep or staying asleep at least 3 nights per week for 3 months or longer.



occurs with another condition. Certain medical conditions, such as arthritis or back pain, can make it hard to sleep or make a person uncomfortable at night. Psychiatric symptoms, such as anxiety and depression, are also associated with changes in sleep.



difficulty falling asleep at the beginning of the night.



inability to stay asleep; waking up during the night and having difficulty returning to sleep.

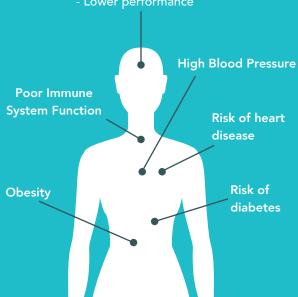


CH<sub>z</sub>

## **Complications of Insomnia** <sup>3</sup>

#### **Psychological Problems**

- Risk of depression
- Risk of anxiety disorder
- Slowed reaction time
- Lower performance



### Top 10 Medical Conditions Treated 4 with Medical Cannabis at Harvest

- **1** Anxiety
- 2 Insomnia
- **3** Arthritis
- **4** Back pain
- **5** Depression
  - **6** PTSD
- 7 Fibromyalgia
- 8 Migraines/Headaches
  - **9** Multiple Sclerosis
- 10 Inflammatory Bowel Disease

## The Entourage Effect and Latest Thinking on Treating Insomnia with Medical Cannabis

The Entourage Effect, first posited in 1988 by Mechoulam and Ben-Shabat, describes the synergistic nature of the many pharmacologically active compounds in cannabis, including cannabinoids, terpenes and flavonoids.<sup>5</sup>

The Roles of Cannabinoids, Terpenes and Flavonoids in treating insomnia

#### **Cannabinoids**

Studies suggest CBD may help with both falling asleep and staying asleep, possibly decreasing anxiety and pain which can also interfere with sleep

THC also plays a role in inducing sleep, and may reduce REM sleep (dreams/nightmares)

#### **Terpenes**

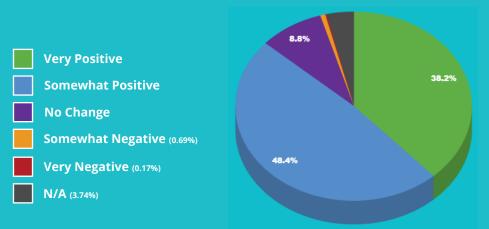
Caryophyllene is a terpene believed to relieve insomnia due to its relaxing properties, while Myrcene and Terpinolene are known for sedative effects and Linalool can aid in falling asleep faster

#### Flavonoids

Linarin is a flavonoid that has demonstrated sedative and sleep-enhancing properties in preliminary research

# 92.7% of Havest Medicine patients with sleep disorders self-report that medical cannabis has somewhat or very postively affected their quality of life.

Total Sample Size 21,956 | February 2021- Q1 2021



## **Additional Resources**

**American Sleep Association** 

For further information visit www.sleepassociation.org Speak with your healthcare practitioner about possible interactions with your current medications.

Patients can track results and progress using the Strainprint App.

strainprint.ca

Enter Harvest Medicine's unique activation code upon sign up: **HMED** 

Call or visit us online to learn more

1-844-488-4633 | hmed.ca

#### References

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