



JUNE REPORT

A SNAPSHOT OF MEDICAL CANNABIS PATIENTS

"Introducing RYAH Data, our new data analytics report leveraging insights from our proprietary data lake from RYAH, PotBot and RYAH MD"

THE QUESTION

In June we endeavor to find out who consumes medical cannabis, and why do they use it?

We pulled data from RYAH Data and compared it with patient surveys and recent publications to paint a clear picture of who the medical cannabis patient is today.

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THE ANSWER

Across all sources, including RYAH Data, cannabis patients are slightly more likely to identify as male.

Most patients are under 50 years of age, and use cannabis to treat three main conditions: mental health issues (ex: anxiety, depression, mood), chronic pain and headaches.

PORTRAIT OF A MEDICAL CANNABIS PATIENT



GENDER: Male

AGE: Under 30 yrs of age

EXPERIENCE: Moderate

AILMENT:

- Mental Health
- Chronic Pain
- Headaches

RESOURCES

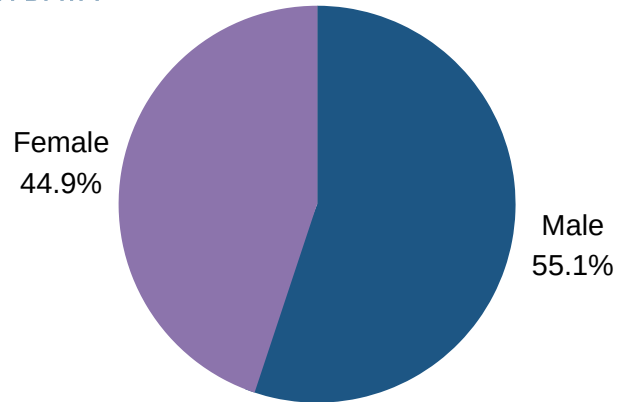
We pulled original data from RYAH Data from 2018. RYAH Data is a robust artificial intelligence platform that aggregates and correlates HIPAA-compliant medical data using a unique mobile app.

We also reference 3 recent patient survey's, as a comparison to the information pulled from RYAH Data (see Appendix for full citations).

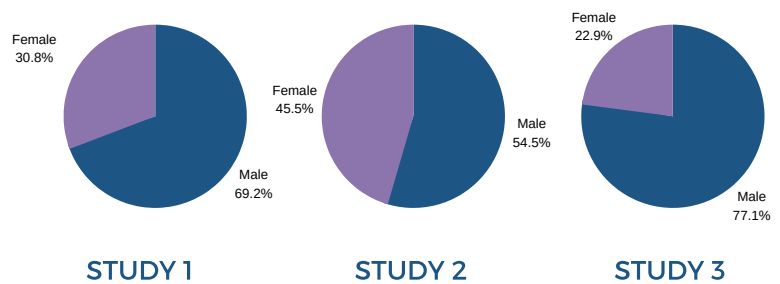
- STUDY 1:** The use of medical cannabis in common medical conditions excluding cancer (2017) Journal of pain management
- STUDY 2:** A Cross-Sectional Survey of Medical Cannabis Users: Patterns of Use and Perceived Efficacy (2016) Cannabis and Cannabinoid Research
- STUDY 3:** Who Are Medical Marijuana Patients? Population Characteristics from Nine California Assessment Clinics (2011) Journal of psychoactive drugs

GENDER

RYAH DATA

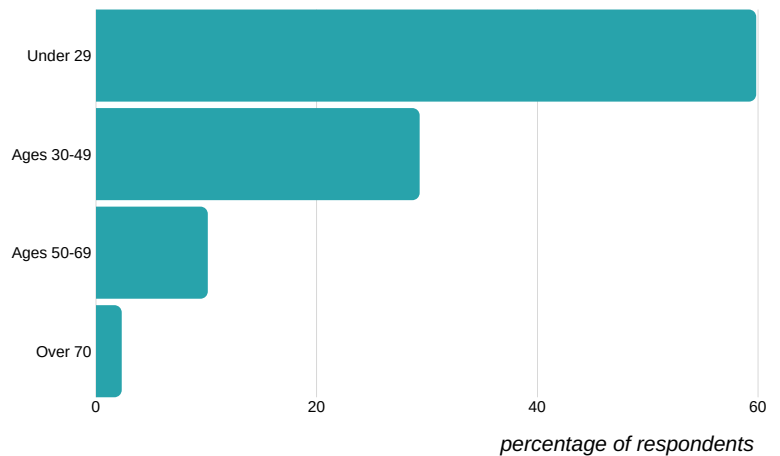


OUTSIDE RESOURCES

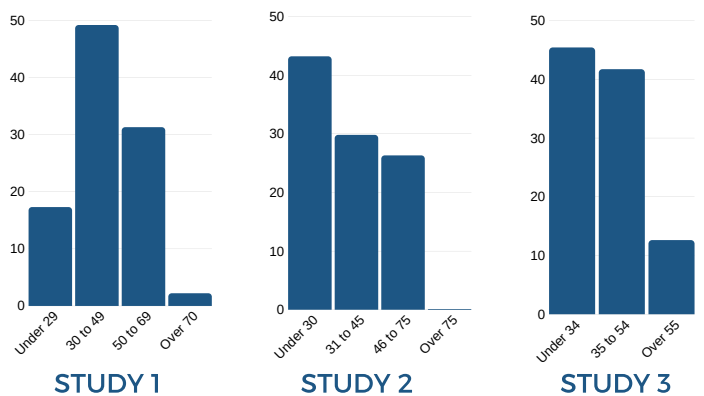


AGE

RYAH DATA



OUTSIDE RESOURCES



CANNABIS EXPERIENCE

According to the data pulled from RYAH Data, most cannabis patients have moderate experience with the plant. Few are daily users. Many only have limited to no experience with the plant before using therapeutically.

STUDY 1 also asked respondents about their experience with cannabis. According to their responses, 76.8 % had experience, and 15.9 % had none.

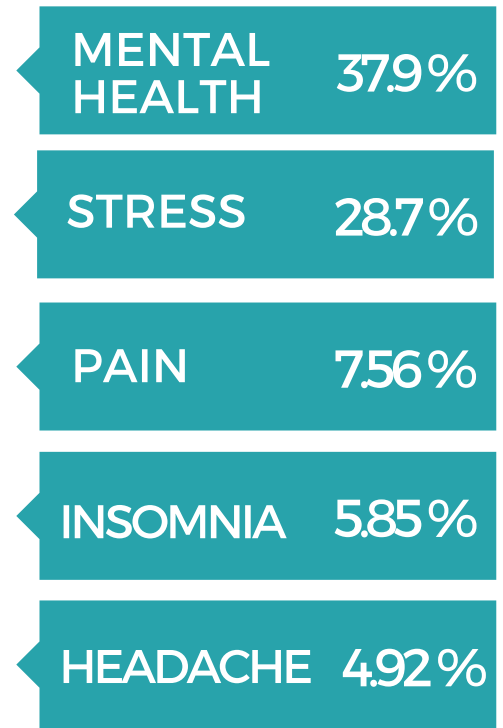
WHERE ARE THE WOMEN?

Why does the research show more men than women are accessing medical cannabis? We are not the only one to ask the question. As per Helen Nunberg (STUDY 3).

"The underrepresentation of women may be in part an epidemiological artifact of the gender distribution of certain kinds of injuries (e.g., workplace, sports, and motorcycle accidents). It may also have to do with the double stigma women face in seeking MM—for using an illicit drug and for violating gender-specific norms against illegal behavior in general. Moreover, as with alcohol use, pregnant women and women considering pregnancy are likely to have health concerns and many may fear that MM could put them in jeopardy if discovered by child protection agencies."

AILMENTS

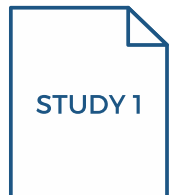
RYAH DATA



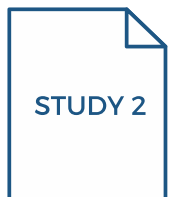
*Top 5 ailments treated with cannabis, out of a total of 32 ailments listed

OUTSIDE RESOURCES

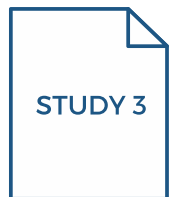
- 1. ANXIETY
- 2. DEPRESSION
- 3. SLEEP DISORDERS
- 4. PTSD
- 5. ARTHRITIS



- 1. PAIN
- 2. ANXIETY
- 3. DEPRESSION
- 4. HEADACHE
- 5. OTHER



- 1. PAIN
- 2. MUSCLE SPASMS
- 3. HEADACHE
- 4. ANXIETY
- 5. NAUSEA



APPENDIX

ADDITIONAL RESOURCES

STUDY 1

Zaki, Pearl & Ganesh, Vithusha & O'Hearn, Shannon & Wolt, Amiti & Zhang, Liying & Lam, Henry & Angela Wan, Bo & Mphil, Marissa & Shaw, Erynn & Deangelis, Carlo & Malek, Leila & Chow, Edward & Blake, Alexia. (2017). The use of medical cannabis in common medical conditions excluding cancer. *Journal of pain management*. 10.

STUDY 2

Sexton, Michelle & Cuttler, Carrie & Finnell, John & Mischley, Laurie. (2016). A Cross-Sectional Survey of Medical Cannabis Users: Patterns of Use and Perceived Efficacy. *Cannabis and Cannabinoid Research*. 1. 131-138. 10.1089/can.2016.0007.

STUDY 3

Reinarman, Craig & Nunberg, Helen & Lanthier, Fran & Heddleston, Tom. (2011). Who Are Medical Marijuana Patients? Population Characteristics from Nine California Assessment Clinics. *Journal of psychoactive drugs*. 43. 128-35. 10.1080/02791072.2011.587700.

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