



NOVEMBER 2021 REPORT


MEDICAL CANNABIS CANCER-RELATED CONDITIONS AND THE ADVERSE EFFECTS OF CANCER TREATMENTS

THE QUESTION

Many patients are now exploring alternative treatments for cancer, cancer-related conditions, and the side effects of cancer treatments.

What can sessions logged in RYAH Data tell us about cannabis for conditions associated with a cancer diagnosis?

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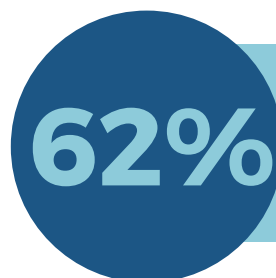
THE ANSWER

Between January 1, 2018, and November 15, 2021, patients have logged more than 80,000 sessions in the RYAH Data Ecosystem for conditions that often occur with a cancer diagnosis or are associated with cancer treatments: anxiety, cachexia, fatigue, pain, nausea, stress.

After pulling data for these six conditions, the most commonly logged sessions were for anxiety, pain, and stress.

Patients preferred sativa and sativa-dominant strains for anxiety and stress. They also used indica-dominant and sativa-dominant stains equally for pain.

The majority of patients treating these conditions reported moderate experience with cannabis.



**OF PATIENTS REPORTED
MODERATE EXPERIENCE
WITH CANNABIS**

ANALYSIS

In 2018, the Journal of Current Oncology surveyed 1,987 patients treated at community cancer centers in Alberta, Canada. [1]

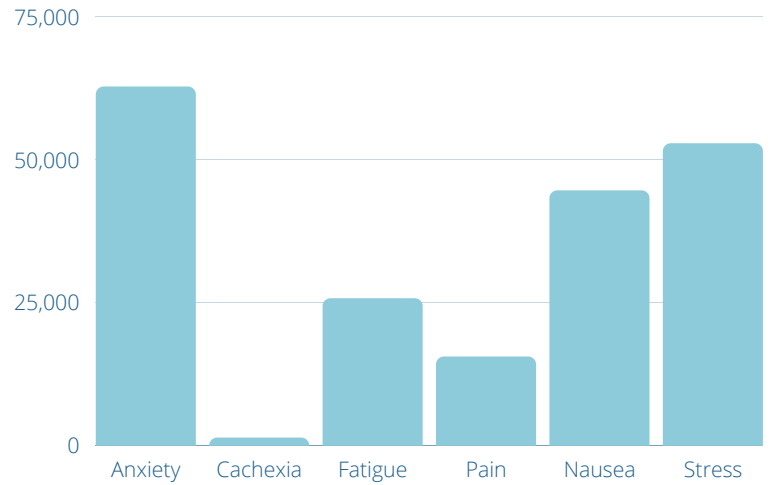
According to the responses, of those who reported cannabis use within the last six months, 70% were using it to treat cancer symptoms.

Symptoms included:

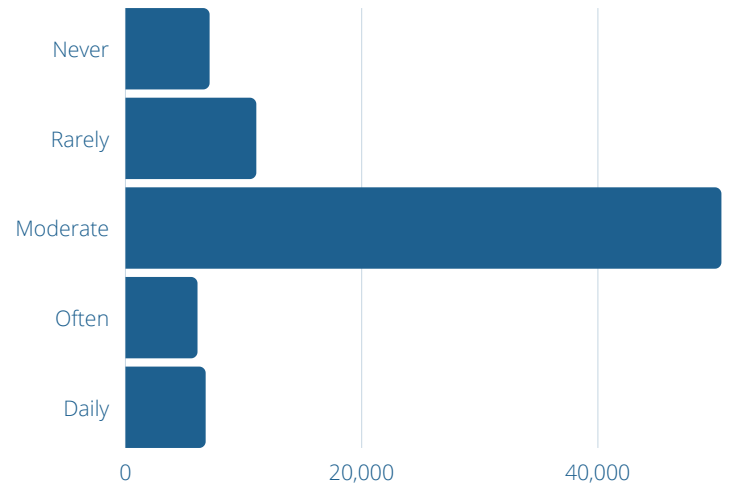
- Cancer-related pain (46%)
- Cancer-related nausea (34%)
- Other cancer symptoms (31%)

CONDITIONS

ASSOCIATED WITH CANCER OR CANCER TREATMENTS

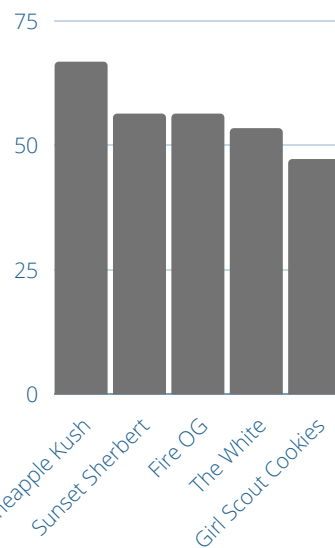


CANNABIS EXPERIENCE

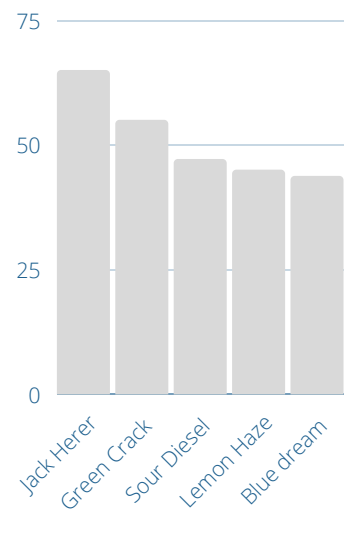


BEST STRAINS

FOR APPETITE STIMULATION



FOR ENERGY



ANALYSIS

Although there seem to be rising rates of cancer patients exploring cannabis as a cure for cancer, the evidence thus far does not support this application, in part due to the lack of robust, randomized control trials. [2]

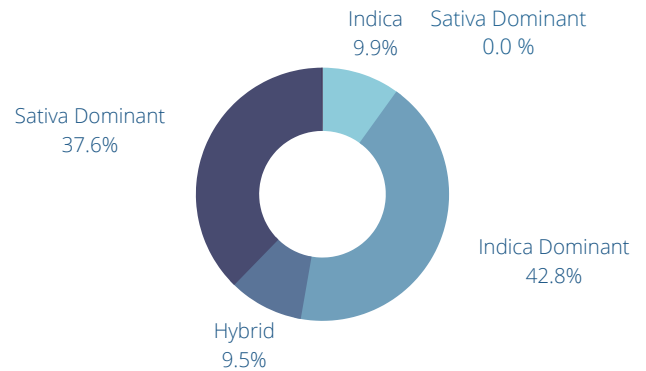
The Canadian survey cited above asked participants whether or not they agreed with the statement, "Cannabis helps cure cancer."

- Strongly agree or agree: 16%
- Unsure or no response: 48%
- Disagree or strongly disagree: 36%

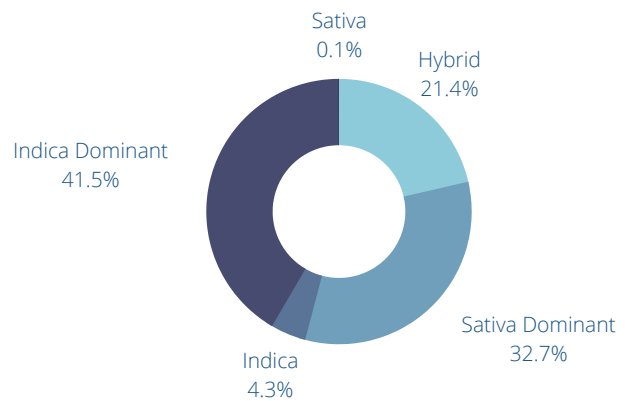
It also asked whether participants agreed with the statement, "Cannabis helps treat cancer symptoms."

- Strongly agree or agree 55%
- Unsure or no response 41%
- Disagree or strongly disagree 4%

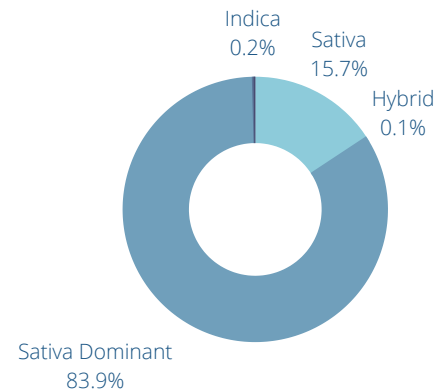
PREFERRED TYPE FOR ANXIETY AND STRESS



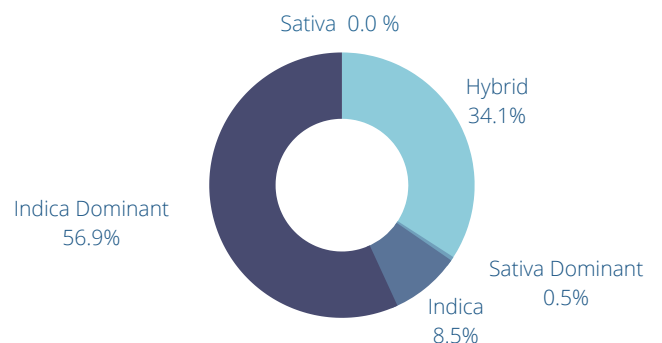
FOR PAIN



FOR FATIGUE



FOR NAUSEA



ADDITIONAL SOURCES

[1] Martell, K., Fairchild, A., LeGerrier, B., Sinha, R., Baker, S., Liu, H., Ghose, A., Olivotto, I. A., & Kerba, M. (2018). Rates of cannabis use in patients with cancer. *Current oncology (Toronto, Ont.)*, 25(3), 219–225. <https://doi.org/10.3747/co.25.3983>

[2] McKeil, J. (2021, November 17). Growing patient interest, but thus far only preliminary results. RYAH IoT Device and Digital Health Solutions. Retrieved November 17, 2021, from <https://ryahgroup.com/patients-are-curious-but-can-cannabis-treat-cancer/>.

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