Advanced Brain Imaging Research Study

Researchers at Boys Town Institute for Human Neuroscience are looking for participants for a noninvasive brain imaging study investigating cannabis use.

You may be eligible if:

- **You are at least 19 years of age.**
- **You have not had a stroke or been diagnosed with any neurological or psychiatric disorder(s).**
- **You are able to complete a series of mental tasks.**
- **You are not pregnant.**
- **You either regularly use cannabis or do not use cannabis.**

Why are we doing this study?

The purpose of this study is to investigate how chronic cannabis use affects brain activity and cognitive functioning differently in people who are living with HIV compared to those who are not living with HIV. To study the brain, we will be using a series of brain imaging tests, both of which are noninvasive and considered harmless.

One of these imaging tests, magnetoencephalography, is silent and involves sitting with a helmet-shaped device around your head while you complete mental tasks. The other test involves an MRI, which is noisy but painless.

What will be done as part of this study?

- This study will involve three visits.
- During the first visit, you will complete several mental activities, a brief interview about your medical history, and a blood draw. This visit will take approximately three hours.
- During the second visit, you will complete some mental activities and questionnaires. You will also be interviewed about past and current alcohol and drug use. Additionally, you will provide a urine sample for analysis. This visit will take approximately two hours.
- During your third visit, you will complete an MEG scan and an MRI scan. This visit will take approximately three hours.

There is no cost to you, and you will receive compensation for your time.

If you are interested in learning more about this research study please contact:

Cindy Beaumont
Institute for Human Neuroscience
Boys Town National Research Hospital
cindy.beaumont@boystown.org | 531-355-8945

General Staff | 531-355-8920

BOYS TOWN
National Research Hospital ®