

# **Are You Impaired?**

## **A Cannabis Clinicians Colorado Observational Research Day Study Methodology**

**Venue:** LaMay Club Auto Car Museum, Lakewood Colorado

**Date:** August 27, 2017 10am-5pm

### **Research Goals:**

1. Observe, document, and compare blood and saliva levels of cannabis compounds in people during self-reported impaired and non-impaired states.
2. Observe, document, and compare tests of cognitive function, roadside sobriety, and driving skills in people during self-reporting impaired and non-impaired states.
3. Look for evidence of correlation or lack thereof between a given cannabis compound blood level and/or saliva level, and a reduction in cognitive function or driving skills, in people reporting or exhibiting signs of cannabis impairment.

**Prerequisites:** All recreational participants must be 21 years of age and not pregnant. All medical participants must be 18 years of age and not pregnant, and show a valid Colorado Medical Marijuana Registry card or paperwork. Use of certain prescription drugs, over-the-counter drugs, alcohol, and psychoactive substances other than cannabis within 72 hours of study may disqualify participation. All participants must show a valid Colorado Drivers License, sign a release, and have a ride home from the event with a designated driver. This is a BYOC event. No cannabis products will be provided.

### **Methodology:**

1. Medical cannabis patients should use cannabis normally on event day, and arrive at the event with stable symptoms in a self-reported non-impaired state. Recreational participants should arrive in a self-reported non-impaired state.
2. After check-in, participants have vital signs and a blood draw taken by CCC member nurses and/or doctors. Blood is sent to lab for THC, CBD and 11-OH-THC levels or to state standards.
3. Participants then proceed to the saliva test station.
4. Participants proceed to a computerized cognitive impairment test.
5. Participants are evaluated by law enforcement trained Drug Recognition Experts and given roadside sobriety tests. This portion is recorded on video.
6. Participants proceed to off-site cannabis consumption area. They return in a self-reported impaired state and repeat steps 2-5.
7. Participants who feel poorly will be offered on-site care by medical professionals as needed. An experimental cannabis emergency over-consumption remedy formula will be offered.
8. Participants check out of research area and proceed to other event activities.

**Follow-up:** Blood and saliva lab tests are expected 2-4 weeks after event. Participants will be mailed or emailed a copy of the neuro-cognition test results, blood and saliva test results, and a copy of the roadside sobriety/DRE results checklists. Analysis by CCC members report sent to all stakeholders.