**Dynamic, Real Time Prediction of Alcohol Use Lapse Using mHealth Technologies***Funded by the National Institute of Alcohol Abuse and Alcoholism*

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**Study Purpose:**   
To examine the effectiveness and ability of mobile technology to indicate if and when a person recovering from alcoholism is at-risk of relapse back to drinking. The applied research goal is to create a relapse prediction signal that will alert treatment providers, in real-time, when their client is at-risk of relapse and in turn provide them with supportive services aimed at preventing relapse.   
  
**Recruitment Goal:** N=200

**Recruitment Method:**   
Clinician will provide appropriate clients with a brochure outlining the essential study information and encourage client to contact the recruitment line if they are interested in learning more about participation.

Once client contacts our recruitment line, they will complete a brief phone screen. If they pass the phone screen, and are still interested in the study, they will be invited to the lab to complete the initial screening interview. Their final eligibility will be confirmed after the initial screening visit.

**Eligibility Criteria:**

* 18 or older
* Must be able to read and write in English
* Abstinent from alcohol for at least 1 week and no longer than 2 months
* Meet criteria for Alcohol use disorder with at least moderate severity (we will confirm this at the screening session)
* No current severe symptoms of psychosis or paranoia.
* Agree to use personal smartphone to collect study data.

**What Participants will be Required to Do:**  
Consent to participate in data collection for three-month duration. Data collection will occur during monthly visits to our lab, and between visits where participants’, social interactions, and location will be monitored through the use of mobile technology.

**What data will we collect:**

* Self-report questionnaires during all study visits to our lab (5 Lab Visits: Screen, Intake, and 3 Follow-up Sessions)
* Brief (< 1 minute) surveys (4x daily) on their smartphone
* Audio response (1x daily) to check-in question: “How are you feeling about your recovery today?”
* Passive daily monitoring of location and social interactions (call & text logs) via smartphone

**Compensation:**Participants can earn up to $755. Below is a breakdown of the compensation:

* $20/hour for all time spent in the lab (Estimated: 11.5 Hours=$230)
* $40 for take-home assignment about monthly contacts and locations
* $198 for using smart phone
* $75 bonus for > 90% completion rate of daily Ecological Momentary Assessment surveys
* $75 bonus for > 90% completion rate of audio surveys
* $30 bonus for provide location information > 90% of the time
* $99 bonus for completing the study
* $8.00 - bus passes