

Brain Training for Substance Use Disorders

Status: Recruiting

Eligibility Criteria

Sex: Male or Female

Age Group: 18 years and over

This study is also accepting healthy volunteers

Inclusion Criteria:

- 18 to 65 years of age - admitted to Fairview's Lodging Plus program for chemical dependency treatment with opioid use being the primary reason - able to read at a minimum of a 6th grade reading level - willing to provide own contact information for follow-up visit(s) - for HEALTHY CONTROLS: 18 to 65 years old, able to read at a minimum of a 6th grade reading level, and willing to provide own contact information for follow-up visit(s)

Exclusion Criteria:

- pregnancy - history of serious neurological illness (e.g., Chronic seizure disorder, Wernicke-Korsakoff Syndrome, Epilepsy, Any history of seizures) - unable to see text and photos clearly on a computer display - current or previous problems using opioids, other prescription (prescribed or not prescribed) or illicit drugs - regular nicotine user (e.g., cigarette smoker, e-cig user) within the past 12 months and - unwillingness to change hairstyle (e.g., braids, pony tails, dreadlocks) or remove wig to accommodate application of the EEG headset, if necessary

Conditions & Interventions

Interventions:

Device: Bias Modification Biofeedback

Conditions:

Brain & Nervous System, Mental Health & Addiction

Keywords:

biofeedback, brain games, brain training, neurofeedback, noninvasive eeg, substance use, wearables

More Information

Description: Participants play games designed to train visual attention towards natural, non-drug-related scenarios. A biofeedback loop between gameplay and an electroencephalogram (EEG) system monitors game performance and guides game difficulty.

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Phase: NA

IRB

Number: SITE00001900

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