Tobacco Use Studies among At Risk Populations

Jean C. Beckham, PhD

VISN-6 Mental Illness Research, Education, and Clinical Center (MIRECC)
Durham HSR&D Center of Innovation
Department of Psychiatry and Behavioral Sciences, Duke University School of Medicine
Who are we?

Principal Investigators/Faculty:

- Jean Beckham, PhD
- Patrick Calhoun, PhD
- Eric Dedert, PhD
- Nathan Kimbrel, PhD
- Elizabeth Van Voorhees, PhD
- Paul Dennis, PhD
- Sarah Wilson, PhD
- Kirsten Dillon, PhD
- Scott D. Moore, MD

Other Staff:

- Adam Mann, MS
- Alyssa Medenblik
- Angela Kirby, MS
- Dan Blalock, PhD
- Emili Travis
- Jeffrey Hertzberg
- Julia Neal, MS
- Lauren Hair, MS
- Lydia Neal
- Michelle Dennis
- Natalie Aho, MS
- Tiffany Beaver, MA
- Tiffany Mosher, MA
Funding Sources

I, Jean Beckham, have no commercial relationships to disclose.

- Mobile Health Technology to Enhance Abstinence in Smokers with Schizophrenia (Beckham, NIDA R34DA038272)

- Mobile contingency management for smoking cessation in Returning US Veterans (Calhoun, National Cancer Institute IRO1CA196304)

- Abstinence Reinforcement Therapy (ART) for Rural Veteran Smokers (Calhoun, HSR&D Merit Review 1I01HX001109)

- Abstinence Reinforcement Therapy (ART) for Homeless Veteran Smokers (Beckham, RR&D Merit Review 1I01RX001301)
mHealth Potential as a Behavioral Intervention Platform
Increasing the Intensity of Smoking Cessation Interventions: Mobile Contingency Management

Pilot Study to Quit both Tobacco and Cannabis (Beckham et al., 2017)

- mCM, telephone CBT for both, NRT + one rescue method (called the treatment Abstinence Reinforcement Therapy)
- N = 5
- CO Monitor to measure cigarette smoking abstinence
- Multiple issues using cannabis urine test (can take up to four weeks following abstinence to be negative) and couldn’t use CO for cannabis abstinence due to edibles and vaping.
- Purpose to evaluate feasibility and acceptability
Just Cannabis Abstinence Participant

CO Readings & Cannabis Abstinence

Treatment phase starts

Post-treatment phase starts

[Graph showing CO readings and cannabis abstinence over time with markers for treatment and post-treatment phases]
Sometimes Abstinence Participant

CO Readings & Cannabis Abstinence

Treatment phase starts

Post-treatment phase starts
Cannabis & Smoking Abstinence Participant

CO Readings & Cannabis Abstinence

Treatment phase starts

Post-treatment phase starts
beckham@duke.edu or jean.beckham@va.gov