Behavioral treatments for drug and alcohol use disorders are among the most effective methods of initiating and maintaining abstinence. One behavioral intervention is contingency management (CM) treatment interventions in which patients receive goods and services (i.e., tangible reinforcement) contingent upon the delivery of a drug-free urine sample. Individual contingency management (CM) is among the most effective methods for initiating and maintaining drug abstinence; however, it is inconsistent with group therapy, the most common mode of treatment delivery in community drug treatment settings.

Group CM, which has been used effectively in other settings with natural groups (e.g., classrooms, workplaces, hospital wards), has both a positive effect on target behaviors and is associated with corollary or “nontargeted” cooperative and supportive behaviors among group members. There are three Group CM procedures described in the literature (Litow & Pumroy, 1975) that differ with respect to whose behavior determines whether reinforcement is delivered. This research project uses dependent Group CM interventions where the likelihood of receiving reinforcement is based on the behavior of the group, specifically the behavior of a randomly chosen individual from the group. This makes the group interdependent in that each individual has a greater likelihood of reinforcement when all group members perform well. The purpose of this grant is to develop and apply group CM interventions for drug abstinence and other behaviors of clients in methadone maintenance.

The intervention consists of a dependent subgroup CM contingency in which the behavior of a single, randomly selected, anonymous individual determines reinforcement delivery for the entire group. Using a prize bowl method to determine the schedule of reinforcement; the group contingency is placed on a single behavior (cocaine abstinence) or one of four therapeutic behaviors (abstinence, outpatient attendance, group CM attendance, and medication compliance) selected randomly. Preliminary results are quite positive.

- Dr. Kerwin
Research News

NSF revises review criterion and designates fonts!

Significant changes include:

• Revision of the intellectual merit review criterion to specifically include language on potentially transformative research.

• Updated guidance on the designated fonts that may be used when preparing an NSF proposal.

The All-knowing Wizard

Dear Poe the Wizard,

Where can I find a copy of a successful grant proposal?

-Lost in Glassboro

Click here to see my answer!
-Poe

NEW PROPOSALS

Development of a Transducer for a Pulse-Tube Cryocooler
Mechanical - Eric Constans - US Navy

Development of a Monitoring and Assessment Plan for Small Dam Removal Projects in Southern New Jersey
Civil & Environmental - Joshua Wyrick - NJDEP

Biodiesel Home Heating Oil Blends Emissions Characterization
Mechanical - Krishan Bhatia - NJDEP

Investigation of Bond Strength and Property Variation in SCC
Civil & Environmental - Doug Cleary - NSF

Building Community with Second Life
Information Resources - Karlton Huges - Blackboard

NJ DOE Social Norms Project
Center for Addiction Studies - Pam Negro - NJDOE

New Jersey Gear-Up Grant Program
Camden Campus - Eric Clark-NJCHE

Highlighted Funding

Highlighted Deadlines
NSF - S-STEM
NSF - CCLI
NSF - MRI

Funding Opportunities

Highlighted Deadlines
NSF - S-STEM
NSF - CCLI
NSF - MRI

Please send us your thoughts.

Email grants@rowan.edu with ideas and suggestions for future newsletters.

Patents Pending

Area-Efficient Real-Time Tree-based Web Visualization and Design (RAST)

Interactive Mobile Aqua Probing & Surveillance System (IMAPS)

Ethanologenic Bacteria with Enhanced Resistance to Ethanol

Ethanologenic Bacteria with Enhanced Resistance to Ethanol and Furfural

Rowan Virtual Meeting (RVM)