A Hybrid Implementation-Effectiveness Trial of Group CBT for Anxiety in Urban Schools – Training the Workforce in Community Settings

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Methods and Implementation Strategies

- This study is a NIMH-funded 3-arm parallel group, Type 2 hybrid effectiveness and implementation RCT evaluating implementation of CBT for child anxiety in schools.
  - The first aim compares the effectiveness of CATS to FRIENDS in urban public schools.
  - Simultaneously, our team is testing the effectiveness two implementation approaches: Train-the-trainer (TT) approach = CMH supervisors are trained by experts to conduct effective supervision, and then go on to train therapists. Pilot studies in adult populations report improved therapist knowledge and improved client behavior. A modified train-the-trainer (TT+) approach = CMH supervisors receive training plus extended consultation from experts to conduct effective supervision.
  - Implementation outcomes are implementation fidelity and cost-effectiveness.

Settings and Participants:
- 36 K-8 schools with School Therapeutic Services (STS) programs in Philadelphia.
- 90 therapists and 36 supervisors from CMH agencies implementing STS programs, and 360 youth (grades 4-8) referred to STS with anxiety problems.
- Schools will be randomly assigned to condition.

Intervention Implementation:
- Therapists screen youth in STS for anxiety. Caregivers of referred youth complete diagnostic assessment to determine eligibility (primary diagnosis of an anxiety disorder).
- Eligible students who consent participate for 12 (FRIENDS) or 8 (CATS) group intervention sessions – implemented by therapists – during the school day.
- Implementation of Training Strategies:
  - Therapists and supervisors receive initial training in youth anxiety, CBT, specific treatment protocols (FRIENDS or CATS).
  - Researchers support supervisors via TT (Condition A & B) or TT+ (Condition C).
  - Supervisors conduct one 50-min supervision session with therapists for each treatment session the therapist conducts.
  - Each treatment and supervision session is video-recorded for consultation (e.g., performance feedback) and research (e.g., fidelity) purposes.
- Data on anxiety symptoms and school engagement (pre-post), treatment fidelity, and supervision/consultation content and process fidelity are collected.

Aims of the Study
- The need to focus on training mental health professionals in non-traditional settings on EBPs has increased in recent years (Hershell et al., 2010; Southam-Gerow et al., 2010).
- Traditional training methods (e.g., workshops, seminars) have not resulted in broad uptake or improved practice quality (Cartreine et al., 2010).
- Few studies exist comparing training methods making it difficult to establish best practices.
- This study will address this gap to improve quality of training methods by: Demonstrating that community mental health (CMH) therapists and supervisors - who lack exposure to EBPs - can implement an anxiety EBP with fidelity.
- Determining which implementation strategy for therapists (supervision with or without expert consultation for supervisors) will lead to better outcomes.
- Evaluating whether a shorter, more culturally sensitive version of an anxiety treatment is at least as effective as the original version.

Group Treatment Protocols for Anxiety

Friends for Life (FRIENDS) – 12 Sessions
- A group-based CBT program implemented in several countries.
- Protocol consists of 10 weekly sessions and 2 incorporated booster sessions.

CBT for Anxiety Treatment in Schools (CATS) – 8 Sessions
- CATS is based on the Coping Cat Therapist Manual (Kendall & Hedyke, 2006) and follows school-based group CBT format of FRIENDS.
- Maintained 5 essential components: psychoeducation, somatic management skills training, cognitive restructuring, exposure methods, and contingency management.

Condition A
FRIENDS

Condition B
TT
CATS

Condition C
TT+
CATS

Results concerning the use of technology to provide remote support could contribute to the dissemination and implementation of EBPs in schools and CMH centers; therefore increasing the training of therapists in MH EBPs.

Therapists screen youth in STS for anxiety. Caregivers of referred youth complete diagnostic assessment to determine eligibility (primary diagnosis of an anxiety disorder).

Consultation provided weekly following supervision with therapists.
- Sessions include (a) providing performance feedback, (b) problem solving implementation barriers, and (c) monitoring whether supervision occurs regularly for expected time length and whether therapists implement CATS with fidelity
- Remote training and consultation via AdobeConnect®

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This study will generate data on implementation of effective practices that optimize mental health service delivery to traditionally underserved communities – a central goal of the Affordable Care Act

This study aims to demonstrate that (a) CMH therapists and supervisors can implement an anxiety treatment with fidelity; and (b) use of a broader, culturally-sensitive group CBT treatment (CATS) can lead to improved outcomes for children with anxiety similar to other evidenced-based treatments (FRIENDS).

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Implications
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