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Criminal Justice Drug Abuse Treatment Studies (CJDATS): Targeted Intervention Components (TIC) for Correctional Re-Entry Programs, 2002-2008 [United States]

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Report for All Parts

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TIC Progress Report
December 2007
Reporting on data collected through the end of October 2007

A. Subjects recruited to date and rate of recruitment (e.g., numbers recruited monthly), and including numbers accepting study participation, refusing and found ineligible.

Procedurally, offenders between 1 and 3 months of release are presented information about the study and asked to voluntarily participate in the specific TIC intervention. Groups of participants are then randomly assigned to receive either the intervention or be part of a comparison group; in both cases, all participants are asked to complete the pre- and post-TIC assessments. Once the post-TIC assessments have been completed, the intervention is offered to the group of participants in the comparison group. Collaborating RCs and TCU participating facilities are making every effort to randomize clients individually using a random numbers table; when assignment by individual is not possible, randomization occurs at the group level. Instructions on how to randomize and a copy of a random numbers table have been provided to participating sites.

Data collection to date includes:
Anger Management Intervention
(see attached "TIC Recruitment Timeline Oct 07.xls")
Data collection is *in progress* and data received are being processed.
Total subjects recruited=260 (TIC=138, Comparison= 122; males and females)
Subjects recruited by Research Center (RC):
TCU=105 (TIC=57, Comparison=48; randomized by group)
Participating sites: 1 male in-prison program; 1 male community-based program; 1 female community-based program
UDel=48 (TIC=23, Comparison=25; randomized by group)
Participating site: 1 male community-based program
UCLA=51 (TIC=25, Comparison=26; randomized by individual)
Participating site: 1 male in-prison program
UKy=56 (TIC=33, Comparison=23; randomized by group)
Participating sites: 2 male in-prison programs

HIV Intervention
(see attached "TIC Recruitment Timeline Oct 07.xls")
Data collection is *in progress* and data received are being processed.
Total subjects recruited=296 (TIC=155, Comparison=141)
Subjects recruited by RC:
TCU=193 (TIC=92, Comparison=101; randomized by group)
Participating sites: 4 male and 1 female in-prison programs; 1 male community-based program
UKy=103 (TIC=63, Comparison=40; randomized by group)
Participating sites: 3 male and 1 female in-prison programs

Criminal Thinking Intervention
(see attached "TIC Recruitment Timeline Oct 07.xls")
Data collection is *in progress* and data received are being processed.
Total recruited to date= 490 (TIC=243, Comparison=247)
Subject recruitment estimates to date by RC:
TCU=247 (TIC=120, Comparison=127; randomized by group)
Participating sites: 2 male and 1 female in-prison programs; 1 male community-based program
UKy=79 (TIC=39, Comparison=40; randomized by group)
Participating sites: 3 male in-prison programs
UDel=33 (TIC=17, Comparison=16; randomized by group)
Participating site: 1 male community-based program
UCLA=74 (TIC=37, Comparison=37; randomized by individual)
Participating site: 1 male in-prison program
UConn= 57 (TIC=30, Comparison=27; randomized by group)
Participating site: 1 female in-prison program

Communication Intervention
(see attached "TIC Recruitment Timeline Oct 07.xls")
Data collection is *in progress* and data received are being processed.
Total recruited to date= 352 (TIC=182, Comparison=170)
Subject recruitment estimates to date by RC:
TCU=246 (TIC=127, Comparison=119; randomized by group)
Participating sites: 4 male in-prison programs
UKy=81 (TIC 43, Comparison=38; randomized by group)
Participating sites: 3 male in-prison programs
UDel=25 (TIC=12, Comparison=13; randomized by group)
Participating site: 1 male community-based program

Motivation Intervention
(see attached "TIC Recruitment Timeline Oct 07.xls")
Data collection is *in progress* and data received are being processed.
Total recruited to date= 345 (TIC=171, Comparison=174)
Subject recruitment estimates to date by RC:
TCU=289 (TIC=143, Comparison=146; randomized by group)
Participating site: 4 male in-prison programs,
1 male community-based program, 1 female in-prison program, and 1 female community-based program
UKy=29 (TIC=16, Comparison=13; randomized by group)
Participating site: 1 male in-prison program
UDel=27 (TIC=12, Comparison=15; randomized by group)
Participating site: 1 male community-based program

Social Intervention
(see attached "TIC Recruitment Timeline Oct 07.xls")
Data collection is *in progress* and data received are being processed.

Total recruited to date= 164 (TIC=78, Comparison=86)
Subject recruitment estimates to date by RC:
TCU=118 (TIC=59, Comparison=59 with randomized by group)
Participating site: 1 male in-prison program and 1 female community-based program
UKy=46 (TIC=19, Comparison=27; randomized by group)
Participating sites: 2 male in-prison programs

Refusal Rates

Anger Intervention Refusal Rates –
UKy – 1 in-prison male facility = 0%
1 in-prison male facility = 8%
TCU – 1 community-based female facility = 0%

HIV Intervention Refusal Rates –
TCU – 4 in-prison male facility = 32%
1 community based male facility =0%
1 female in-prison facility = 0%
UKy – 3 male in-prison facilities = 0%
1 female in-prison facility = 0%

Criminal Thinking Intervention Refusal Rates –
TCU – 2 in-prison male facility = 0%
1 community-based male facility= 0%
1 in-prison female facility = 0%
UKy – 2 in-prison male facilities = 0%
1 in-prison male facility = 5%
UDel 1 community-based male facility = 13%
UCLA 1 in-prison male facility = 0%
UConn 1 in-prison female = 0%

Communication Intervention Refusal Rates –
TCU – 1 in-prison male facility = 0%
2 in-prison male facility = 1%
1 in-prison male facility = 4%
UKy - 2 in-prison male facilities = 0%
1 in-prison male facility = 5%
UDel –1 community-based male facility=0%

Motivation Intervention Refusal Rates -
TCU – 3 in-prison male facility = 0%
2 community-based male facility=0%
1 in-prison female facility=0%

1 community-based female facility=36%
1 in-prison male facilities = 2%
UKy – 1 in-prison male facility = 0%
UDel – 1 community-based male facility = 0%

Social Intervention Refusal Rates -
TCU – 1 in-prison male facility = 0%
1 community-based female facility=0%
UKy – 1 in-prison male facilities = 25%
1 in-prison male facilities = 3%

B. Expected sample size and period of recruitment.

Estimates are based on the targeted sample of 84 participants per RC (TIC=42, Comparison=42) per TIC intervention. Although multiple RCs have expressed interest on the part of their partners who have heard about this TIC project, pre-existing center commitments have been a barrier to joining the study in some instances.

Please note - UDel targets have been adjusted to reflect the size of their data collection facility and will now be based on a target size of 40 (TIC=20, Comparison=20). The expected sample size has been changed for each individual module described below.

Anger Management Intervention (4 RC participating to date)
Expected sample size is 292 (TIC=146, Comparison=146).
Although recruitment has concluded, some of the partner facilities missed the initial implementation and testing of the Anger Management TIC and have asked for an opportunity to participate because of its relevance to their needs. For these facilities, the Anger Management TIC will be implemented and tested until the end of 2007. As part of additional data collection, we plan to include female participants.

HIV Intervention (2 RCs participating to date)
Expected sample size is 168 (TIC=84, Comparison=84).
Targeted data collection is complete for this module, although we will make it available for another round of implementation and testing if a partner facility requests it. HIV data collection has been extended until the end of 2007.

Criminal Thinking (5 RCs participating to date)
Expected sample size is 376 (TIC=188, Comparison=188).
Recruitment has begun and will continue through August 31, 2007. UConn is currently in the field. UConn has completed data collection for this model as of December 2007.

Communication Intervention (3 RCs participating to date)
Expected sample size is 208 (TIC=104, Comparison=104).
Recruitment has begun and will continue through August 31, 2007. TCU is collecting.

Motivation Intervention (3 RCs participating to date)
Expected sample size is 208 (TIC=104, Comparison=104).
Recruitment has begun and will continue through August 31, 2007. TCU and UDel are collecting.

Social Intervention (2 RCs participating to date)
Expected sample size is 168 (TIC=84, Comparison=84).
Recruitment has begun and will continue through August 31, 2007. TCU is collecting.

C. PILOT Study– Conducted at Arizona Department of Corrections (Educational Services)

In Arizona, pilot testing of the sequential administration of five interventions (Anger, HIV, Criminal Thinking, Communication, and Social) was conducted. Total subjects recruited was 221 (TIC=118, Comparison=103) from four in-prison male sites. Two were tested as experimental sites, while the remaining two served as comparison sites. The overall refusal rate for participation in all four sites was 10%. Regarding participants' completion rates, of the 221 that were pre-tested, 142 completed the intervention and were post-tested. The reason for this 64% completion rate was due to a misunderstanding between the staff and offenders regarding custody classifications. It was not related to the materials or implementation of the interventions.

D. Data collection procedures delineating measures that have been added or deleted in association with field experience.

All TIC Interventions follow the same strict data collection procedures as outlined in the study proposal. No measures have been added or deleted in association with field experience. TIC data collection procedures are as follows:

Sites

Potential subjects are selected from corrections-based drug treatment sites (both in-prison and community-based reentry settings).

Collectively across all participating sites, the minimum total target sample of subjects is 150 (75 TIC and 75 Comparison) for each TIC intervention.

Subjects

Male and female subjects, 18 years or older, are recruited from drug treatment programs for offenders. Consenting subjects are assigned either by cohorts or individually to a study condition (TIC or Comparison). Subjects may have received a referral or mandate from a correctional authority (e.g., judge). Subjects must have enough time remaining in treatment to be able to complete the intervention and be within 90 days of release. Subjects are required to be able to read and sign an informed consent form to participate

in the study. Participation is completely voluntary and can be withdrawn at any time without penalty. Incentives are not offered (primarily because incentives are not allowed in many of the partner correctional systems).

Procedures

Information about the study is read aloud to potential subjects. Those who agree to participate are asked to voluntarily read and sign the study's Informed Consent form. Additionally, subjects are asked to sign a Protected Health Information Authorization (PHI). Each form is explained and questions or concerns raised are addressed. Subjects are assigned to either the TIC or Comparison condition. This two-group design was selected in order to assess the incremental effectiveness of the targeted interventions when added to, or embedded in, an existing treatment program's set of service activities. This model offers the flexibility needed by programs to participate in the study as well as strategically incorporate innovations into their existing treatment. The designated targeted intervention is then provided to participating clients after counselors completed one-day training at TCU for each intervention.

The interventions currently slated to be implemented and tested include:

1. Understanding and Reducing Angry Feelings;
2. Common Sense Ideas for HIV Prevention and Sexual Health;
3. Unlock Your Thinking: Open Your Mind (Criminal Thinking);
4. Getting Motivated to Change;
5. Ideas for Better Communication;
6. Building Social Networks.

Subjects from both conditions are asked to complete the pre-test and post-test assessments. These "matched" assessments include general needs and functioning scales (from the TCU CJ-CEST) as well as knowledge and attitudinal information specific to the intervention being tested. After the intervention and assessment phases are completed, subjects from the comparison condition are offered the opportunity to receive the targeted intervention – thus, all participating subjects are offered the targeted intervention.

E. Status of implementation of the experimental and control interventions including session attendance and measures of fidelity.

The completion rates for each TIC intervention is defined as the number of subjects who participated in the final TIC session and completed the post-test assessment, divided by the number of subjects who participated in the initial TIC session and completed the pre-test assessment.

Anger Intervention (94% completion rate)

Total pre-tests=260	Total post-tests=245
TCU=105	TCU=107
UDel= 48	UDel=34
UCLA= 51	UCLA= 48

UKy=56 UKy=56
Adherence/fidelity to Criminal Thinking – received 1 Summary Checklist, which indicated 100% adherence to the module, counselor rated materials as "helpful" to "very helpful." Additionally, 1 Motivation Group Observation Form has been received indicating that the module was implemented as designed

HIV Intervention (96% completion rate)
Total pre-tests=296 Total post-tests=283
TCU=193 TCU=181
UKy=103 UKy=102
Adherence/fidelity to HIV – received 3 Summary Checklist, which indicated 100% adherence to the module, counselor rated materials as "helpful" to "very helpful." Additionally, 2 Motivation Group Observation Forms have been received indicating that the module was implemented as designed

Criminal Thinking (92% completion rate)
Total pre-test=490 Total post-tests=452
TCU=247 TCU=233
UKy=79 UKy=77
UDel=33 UDel=26
UCLA=74 UCLA=73
UConn=57 UConn=41
Adherence/fidelity to Criminal Thinking – received 3 Summary Checklist, which indicated 100% adherence to the module, counselor rated materials as "helpful", and average group ratings for the module was also "helpful".

Communication Intervention (94% completion rate)
Total pre-test=352 Total post-test=331
TCU=246 TCU=233
UKy=81 UKy=80
UDel=25 UDel=18
Adherence/fidelity to Communication – received 5 Summary Checklists, all indicated 100% adherence to the module, counselor rated materials as "helpful", and average group ratings indicated that the material was "helpful" to "very helpful."

Motivation Intervention (91% completion rate)
Total pre-test=345 Total post-test=315
TCU=289 TCU=262
UKy=29 UKy=29
UDel=27 UDel=24
Adherence/fidelity to Motivation – received 13 Summary Checklists, all indicated 100% adherence to the module, counselor rated materials between "helpful" and "very helpful", and average group ratings were also between "helpful" and "very helpful". Additionally, 12 Motivation Group Observation Forms have been received indicating that the module

was implemented as designed. All ratings were above average; however, one observation suggested that the group leader had some difficulty using the maps effectively to organize group ideas.

Social Intervention (98% completion rate)

Total pre-test=164	Total post-test=161
TCU=118	TCU=115
UKy=46	UKy=46

Adherence/fidelity to Social – received 3 Summary Checklists with notations that the module was followed as designed (100%), counselor ratings were "helpful" to "very helpful" and average group ratings were also above average. Session one and Session four were rated as the most useful sessions by counselor and clients from 1 site, while session two's material about support groups was the most familiar, nevertheless clients were attentive, shared openly, and rated the session as above average. " Additionally, 1 Motivation Group Observation Form has been received indicating that the module was implemented as designed.

TIC Trainings:

An on-going series of multiple trainings and conference calls with participating RCs and treatment providers have been conducted to assure program compliance with the design plans and the fidelity for each TIC implementation. All counselor trainings last one day and are held at the TCU/IBR conference room in Fort Worth. These are organized and managed by Janis Morey (the CJ-DATS Project Coordinator), and training is led by Norma Bartholomew (the lead developer of the TIC interventions and a licensed clinician and trainer). TIC Trainings held at TCU to date include:

- Anger Intervention: March 21, 2005 and August 24, 2005
- HIV Intervention: August 23, 2005 and October 20, 2005
- Criminal Thinking: February 8, 2006 and June 14, 2006
- Communication Intervention: June 13, 2006 and September 20, 2006
- Motivation Intervention: September 19, 2006 and November 15, 2006
- Social Intervention: November 14, 2006

TIC additional trainings provided by Janis Morey:

- For UDEL held at TCU on all modules: February 12, 2007
- For TCU held at Kyle Correctional Center on Communication & Motivation Interventions: February 27, 2007
- TCU training held at Los Lunas, New Mexico for both NM Women's Recovery Academy and Ft. Stanton on Motivation, Anger, and Social: May 16, 2007
- For TCU (Nebraska and New Mexico) held at IBR on Anger, HIV, Criminal Thinking Interventions: September 13, 2007

Adherence/Fidelity:

Participating RCs are being asked to complete the *TIC Documentation Form of Participants* at the completion of each TIC intervention. Included in the form are records of individual session attendance as well as documentation of prior exposure clients may have had to the topics being presented prior to the implementation of the TIC intervention.

For each of the sessions, a *Summary Checklist* has been developed for the counselors to indicate which items were covered and the usefulness of each item. Summary checklists have begun coming in with the Motivation, Communication, and Criminal Thinking data for implementation of the modules with both the TIC and the Comparison groups. Overall, the feedback is very positive with good comments and high (helpful/very helpful) ratings (see Intervention completion rates on page 7).

At the TIC trainings held in September and November (2006), which were conducted by Norma Bartholomew and Janis Morey, time was devoted to getting counselor feedback on the implementation of the TIC interventions that have been administered to date. The response was overwhelmingly positive. The counselors expressed appreciation for the high quality materials and conveyed their sincere desire to implement the interventions as dictated by the research protocol. This commitment to the protocol may stem in part from a notion held by the counselors (and the facilities) that it is a "privilege" to participate in national research, namely CJ-DATS. With an understanding of its importance, the TIC research has been given support and prioritization from administrators. At dinner, lunches, and at training break times, individual conversations with counselors were held regarding specific site implementations. These confirmed our weekly update reports regarding the level of seriousness and adherence the counselors achieve and desire to continue achieving. It was also reported that the participants, too, were satisfied with the interventions (including their contents and quality). The research materials are embraced by participants as a welcome change from "treatment as usual" – they especially like the interactive activities and stimulating discussions.

Counselor feedback on the TIC implementation is solicited as part of weekly correspondence with participating sites, as previously mentioned.

At the request of the SC oversight team, formal observations of the initial session of each TIC intervention are being conducted at a minimum of one site per participating RC utilizing the *Group Observation* form. Observations are being conducted by a trained staff member at the site and will follow the structured format. A minor exception is at the facilities where only one staff member is trained or the observer is unable to fulfill this obligation. For example, one RC reported that the observer was sick during the time when the observation would have been made. When the observer returned to work, the sessions were completed, thus preventing an opportunity for observation for that module (see page 7 for report on Group Observation forms for the Motivation Intervention).

F. Follow-up rates employing a 90 day window for locating/ interviewing study participants (30 days before and 60 days after the date of scheduled follow-up.

Not applicable.

G. The status of collaborative working arrangements with other study sites including difficulties, if any, associated with recruitment, implementation and/or follow-up and steps taken to resolve difficulties.

To date, we have not had any difficulties and have had excellent collaborative working arrangements with other study sites. Participating RCs are contacted on a regular basis to discuss TIC implementation as well as data collection and processing. In addition, partner sites are asked to provide weekly updates on how the TIC implementation and data collection is progressing.

Correspondence and administrative/monitoring practices employed in the multi-center activity since the last report include our TIC training provided at IBR, weekly phone and/or email updates provided by facility contracts, written summaries provided at the end of modules, and weekly conference calls.

H. Such additional areas and/or problems as are seen as useful to be shared with the review team.

None.