

Mid-America ATTC Regional Conference
Medication Assisted Treatment: Promoting Tools for Successful Recovery
September 23, 2014

Implementing Medication-Assisted Treatment in Criminal Justice Settings

Kevin Knight, PhD

Great Example of Successful Implementation: The Gateway St. Louis Recidivism Reduction Project

MO DMH IFB #SDA42013001

Gateway Foundation Recidivism Reduction Project providing continuum of services for offenders transitioning from MO DOC to the community, and includes MAT initiated prior to release.

Evaluation Foundation
NIDA Criminal Justice Drug Abuse Treatment Studies (CJDATS; NIH U01DA016190-8, TCU PI K. Knight)

Major Collaborative Effort
Gateway, DOC, DMH, Corizon Health, TCU, and others

The Gateway St. Louis Recidivism Reduction Project: Preliminary Results

As of May 2014

- 23 participants had received a pre-release injection of Vivitrol®




Proximal Outcomes

- Very high 90-day treatment retention rate (10 out of 10)
- Low level of drug craving in comparison to those who did not receive Vivitrol® injection.

Exploring Reasons for Not Keeping Scheduled Clinic Appt.

- Stress about transportation
- Active drug use prior to appointment

Implementing Medication-Assisted Treatment in Community Correctional Environments (MATICCE)

CJ-DATS is funded by NIDA in collaboration with SAMHSA and DOJ

CJ-DATS' MAT Workgroup

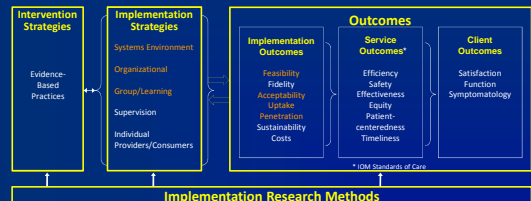
ASU: Terry Urbine, Adrienne Lindsey
Rhode Island Hospital/Brown: Peter Friedmann, Randy Hoskinson, Taylor Rickard, Donna Wilson
U Puerto Rico: Carmen Albizu Garcia, Graciela Vega
Friends Research: Tim Kinlock, Shannon Gwin Mitchell, Michael Gordon, Frank Vocci
UCLA: Betsy Hall, David Farabee
UConn: Linda Frisman, Hsiu-Ju Lin, Amy James
U Delaware: Sami Abdel-Salam, Laura Monico, Dan O'Connell
U Kentucky: Jamieson Duvall, Hannah Knudsen
Temple: Wayne Welsh, Gary Zajac
TCU: Julie Gray, Kevin Knight, Jennifer Pankow
NIDA: Lori Ducharme

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Conceptual Model of Implementation Research




Intervention Strategies (Evidence-Based Practices) leads to **Implementation Strategies** (Systems Environment, Organizational, Group/Learning, Supervision, Individual Providers/Consumers). This leads to **Implementation Outcomes** (Feasibility, Fidelity, Acceptability, Uptake, Penetration, Sustainability, Costs) and **Service Outcomes*** (Efficiency, Safety, Effectiveness, Patient-centeredness, Timeliness). These lead to **Client Outcomes** (Satisfaction, Function, Symptomatology).

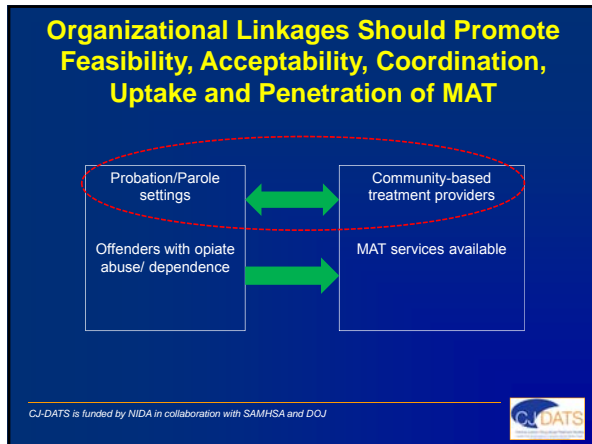
* OIG Standards of Care

Implementation Research Methods underpins the entire process.

Proctor et al., *Adm Policy Ment Health* 2009;36:24-34.



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Implementation Strategy

Pilot survey
emphasis on identifying prominent barriers to MAT

Staff Training
Goal on addressing:
Limited knowledge about MAT effectiveness
Inaccurate perceptions of MAT
Limited information about local MAT resources

Organizational Linkage Intervention
Identifying and resolving barriers to client linkages

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Goals of MATICCE

- Improve **knowledge and perceptions** of parole and probation (P/P) staff about community-based MAT (Group Learning → Feasibility, Acceptability)
- Test effect of organizational linkage intervention (OLI) on **interagency coordination** among probation/parole agencies and local MAT-providing treatment agencies (Systems Environment/Organizational →)
- Increase the number of probation/parole clients linked with **community-based MAT** (→ Uptake & Penetration)

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Willingness to Consider MAT

	Jail (n=18)	Prison (n=12)	P/P (n=12)	Drug Court (n=8)
% open to beginning/expanding Methadone	55.6	83.3	66.7	62.5
% open to beginning/expanding Buprenorphine	55.6	58.3	83.3	75.0
% open to beginning/expanding Naltrexone	50.0	58.3	83.3	75.0

↑
High feasibility

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Cited Barriers to Use of MAT

	Jail (n=18)	Prison (n=12)	P/P (n=12)	Drug Court (n=8)
State/local regulations prohibiting MAT	X			
Security concerns	X	X		
MAT offered by community Tx programs	X	X	X	
Agency favors drug-free Tx over MAT		X	X	
Lack of qualified staff			X	X
Liability concerns				X
Cost/reimbursement concerns				X

Barriers that could be addressed in an implementation study

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Staff Training

- KPI = Knowledge, Perceptions and Information
- Developed with Pacific ATTC
 - Based on Blending materials, TIPs, existing ATTC resources, CJDATS workgroup input
- Delivered via local ATTCs
- 20 sites
 - Mainly probation & parole officers
 - Local treatment providers welcome to attend


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Organizational Linkage Intervention (OLI)

OLI based in part on CMHS ACCESS project

- Adapted 3 components associated with effective organizational integration:
 - Working group of reps from key organizations [PEC]
 - Strategic planning process
 - Boundary spanner [Connections Coordinator]
- Research Centers provide training and TA around strategic planning / SWOT analysis

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MATICCE Study Design

Baseline Data Collection (N=692 participants)

Knowledge, Perception, Information (KPI) Training Intervention (all sites)

RANDOMIZATION

3-mo Data Collection


Group 1 N=10
Linkage Intervention
PEC
Strategic Planning
Connection Coordinator

Group 2 N=10
No Linkage Intervention
(KPI only)

12-mo Data Collection (End of OLI)

6-Month Follow-up Data Collection (Sustainability)


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Overview of Phases for the Organizational Linkage Intervention (OLI)

Phase	Primary Outcome(s)	Duration (in weeks)
Pre-Phase	Local PEC Team is formed and the MATICCE project is introduced	3-13 (avg 7)
1. Needs Assessment	PEC completes a Needs Assessment that identifies the relative strengths & weaknesses in the inter-organizational practices associated with MAT	6-24 (avg 15)
2. Strategic Planning	PEC develops and adopts a Strategic Plan that identifies goals and objectives for improvements to increase client linkages to MAT	12-28 (avg 20)
3. Implementation	PEC works in a collaborative manner to implement the objectives and attain the goals identified in their Strategic Plan	17-53 (avg 27)
4. Follow-Up	PEC assesses the relative sustainability of both the process improvement targets achieved and the PEC method for facilitating process improvements	


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Baseline Demographics: Overall Intervention vs. Control

	%	Intervention (N=428)	Control (N=488)	P value
Gender				
Male		36.4	37.2	0.80
Female		63.6	62.8	
Race				
African-American		26.4	25.7	0.10
White		64.2	59.8	
Other		9.4	14.5	
Ethnicity				
Hispanic		14.1	20.1	0.02
Not Hispanic		85.9	79.9	
Postgraduate degree		39.8	37.0	0.44


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Baseline Demographics: Overall Intervention vs. Control

Mean	Intervention	Control	P value
Age	48.3	44.7	<0.0001
Yrs in Corr/TX	12.1	12.6	0.44
Yrs at current emp.	8.8	10.5	0.006
Hrs/wk worked	38.2	39.0	0.13
Client Contact Hours	25.2	25.5	0.92
# Clients/Wk	24.6	23.3	0.36
Active Caseload	66.0	63.0	0.64


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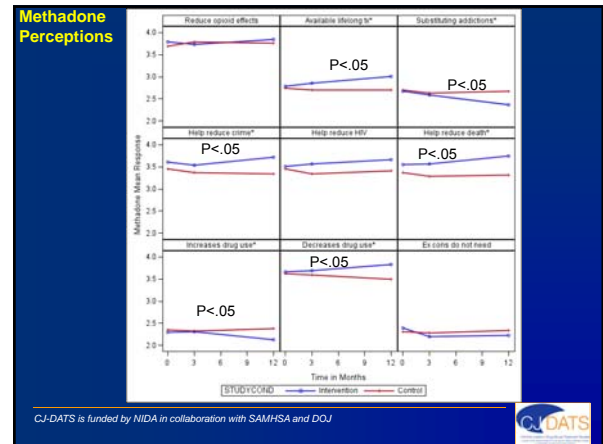
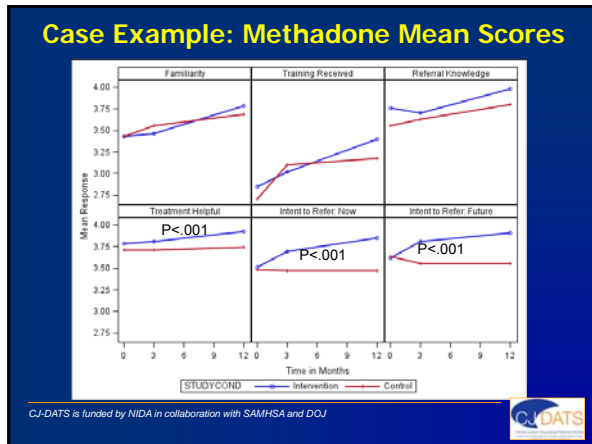


Results

- KPI training only: "implementation as usual"
 - ↑ familiarity, training received and knowledge where to refer for MAT.
- KPI + Organizational Linkage training:
 - ↑ familiarity, training received and knowledge regarding MAT as in KPI only group, and:
 - ↑ likelihood to refer clients to MAT
 - ↑ + perception of MAT

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- ### Conclusions
- ◆ **↑ Group learning, feasibility** over study period
 - ✓ **↑ MAT familiarity, training and knowledge** of where to refer clients for both study groups
 - ◆ **↑ Uptake** of MAT over study period
 - ✓ **↑ receipt, but no difference among groups**
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- ### Conclusions
- ◆ **OLI intervention:**
 - ✓ **↑ Acceptability, systems/org. environment for MAT**
 - **↑ Belief that MAT is helpful to clients**
 - **↑ Intent to refer clients to MAT now and in future**
 - ✓ **↑ awareness of P/P, frequency of communication** reported by treatment providers
 - **? ↓ integration from P/P, no change in quality**
 - ✓ **No detectable effect on uptake, penetration**
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- ### Limitations
- ◆ **Staff turnover**
 - ✓ **Staff transfer, retire, leave for new job, new hires**
 - ✓ **Most participants not followed for entire study**
 - ✓ **Only 36% complete; 46% only one observation**
 - ◆ **Missing data**
 - ✓ **Staff turnover: missing data at different time points**
 - ✓ **Surveys not administered: 14% missing demographics, 32% missing BSOC**
 - ✓ **Staff mistrust leading to providing incorrect ID on surveys: cannot link records**
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