A Meta-Analysis of Wraparound Literature via NIRN Implementation Research

Rosalyn M Bertram PhD
Julie Farr MSW
Andrea Simpson BA

University of Missouri-Kansas City School of Social Work

Kathy Cox PhD
Eastfield Ming Quong Sacramento

Purpose: Inform research agenda
For the wraparound model:
- What's well-examined?
- What's not?
- What assumptions have been made?
- What's been overlooked?

• Implementation is a specified set of activities designed to put into practice a program of known dimensions.

• Implementation processes are purposeful, described in sufficient detail so independent observers can detect presence & strength of the "specific set of activities".

• Activity implemented is described in sufficient detail so independent observers can detect its presence & strength.


Meta-analysis via NIRN 2005 Monograph
Core Intervention Components

Model Definition
Target Population
Alternative or Typical Models Used
Theory Base
Theory of Change

Socio-economic & Political Context
Exploration & Adoption
Program Installation
Initial Implementation
Full Operation
Innovation
Sustainability

Outcomes
Intervention
Implementation

Meta-analysis via NIRN 2005 Monograph
Core Implementation Components

Organizational Context
Organizational Readiness
Facilitative Administrative Structures & Practice
Organizational Level Model Fidelity Assessment
Systems Level Interventions to Support Direct Service
Model Fidelity Assessment
Supervision/Coaching
Staff Selection
Staff Training
Purveyor (consultant/trainer) Selection
Meta-analysis of literature

- Organization of articles into NIRN core components
- Process of placement similar to NIRN
  - Small group reads & analyzes independently
  - Compare similarities & differences until consensus
  - NWI research & evaluation group reviews, suggests changes
- More expansive review of literature than NIRN
  - Dissertations/proceedings that became articles were not included
  - Local reports on wraparound programs will be included

Wraparound Literature 1990 to 2008
Non-duplicate N=89

Wraparound Literature
Duplicate Count
N=147

Core Intervention Components

Model Definition
Target Population
Alternative or Typical Models Used
Theory Base
Theory of Change

Most model definition 1990-1998, Primarily as descriptions of programs

Series of monographs emerge from National Wraparound Initiative 2004-2008
Target population addressed by description, primarily defined by pursuit of funding, focused upon “deep end” cases, with no true examination ala MST.

**Core Intervention Component:**
Target Population

<table>
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<tr>
<th>Articles</th>
<th>Book Chapters</th>
<th>Tampa Conference Proceedings</th>
<th>Dissertations</th>
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**Theory Base & Theory of Change**

- Few authors discuss theory base (Malysiak 1997-2000)
- Model was defined through values Ecological approach vs. ecological systems theory
- Comparison of MST & Wraparound, limited application of MST lessons learned (Burns, Schoenwald, et al., 2000; Bertram & Bertram, 2003)
- Theory of change only now emerging (Resendez, 2002; Cox, 2005; Walker & Koroloff, 2007; Walker 2008)
- Early discussion with few tests.

**Meta-analysis via NIRN 2005 Monograph**

**Core Implementation Components**

- Organizational Context
- Organizational Readiness
- Facilitative Administrative Structures & Practice
- Organizational Level Model Fidelity Assessment
- Systems Level Interventions to Support Direct Service
- Model Fidelity Assessment
- Supervision/Coaching
- Staff Selection
- Staff Training
- Purveyor (consultant/trainer) Selection

**Model Fidelity emerges 1996-2002**

- Conference proceedings become articles, 2002-2007
- Few focus on fidelity & organizational components

**Core Implementation Component:**
Model Fidelity Assessment

<table>
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**Staff Training**

Limited, descriptive, with no systematic review of results

Individual purveyors disperse different curriculum

**Staff Selection**

No publications

(see Stages of Implementation: Program Installation)

**Purveyor Selection**

No publications

**Supervision**

Emerges from conferences into literature (2000-2008)
Meta-analysis via NIRN 2005 Monograph

Stages of Implementation

- Socio-economic & Political Context
- Exploration & Adoption
- Program Installation
- Initial Implementation
- Full Operation
- Innovation
- Sustainability

Outcomes
- Intervention
- Implementation

Stages of Implementation

N=22

Just beginning to examine stages

- Handful of Dawn Project & Wrap Milwaukee publications examine sustainability & other stages
- No examination of program installation just as there were no publications on staff selection, training, & purveyor selection

Multiple organizational components & stages of implementation

Walker, Koroloff, Schutte, 2004
Walker & Koroloff, 2007

Organizational context
Organizational readiness
Organizational level fidelity assessment
System level interventions in support of direct practice
Facilitative administrative structure & practice
Exploration & adoption

Outcome publications N=42

- Probably due to wraparound principle
- Most focus upon intervention outcomes (N = 33) Many of these were published pre-2000
- Only a few recent publications examine implementation outcomes & their relationship to intervention outcomes (N=9)
- What will local reports focus upon?
Intervention Outcomes N=33

- 16 Journals
- Monographs, 3
- Dissertations 3
- Book chapters 4
- Tampa Proceedings 7

Analysis of Outcomes N=42

Intervention Outcomes N=33

Implementation Outcomes N=9

Some initial impressions:
Outcomes were studied too soon
Model has been defined by values & consensus
Need systematic study of overlooked factors
Must question target population assumptions

Implications for future research agenda

**Theory, Values, Process, & Theory of Change**
Recent discussion is complex, requires testing
Examiner application with different target population may refine & test theory of change

Eg: How do team composition & development influence assessment, focus of interventions, planning for transition & “treatment generalization”

Eg: Training emphasizes meeting family needs. However, do patterns of interaction within the family & between family members & others influence meeting these needs?

Implications for future research agenda

**Staff** (selection, training, supervision/coaching)
- Who best implements this model?
- What knowledge? What skills?
- What training produces what fidelity & outcomes?
- What supervisory model produces best fidelity & outcomes?

**Target Population**
Has been “deep-end”
- These cases have multiple system engagements & failures
- This focus has complex organizational implications
- Can this model work with an elderly clientele?
- Could this be a model for prevention?

Implications for future research agenda

**More focus on organizational context**
- Is Wraparound another model to layer into a service array?
- Examine influence of organizational climate, culture & readiness
- We need descriptions of failures.

**More focus on early stages of implementation**
- Exploration & Adoption
  - (in systems of care literature? Local reports?)

- Program installation
  - Not yet addressed because we have not been thinking with complexity about organizational components, not about staff selection, knowledge, skills, training, etc.

**Purveyor Selection**
- Who does what well? How do we know?