The Wraparound Fidelity Index as a Framework for Service Delivery

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Purpose of the Study
To examine the relationship between fidelity to Wraparound principles and the clinical outcomes of the youth EMQ serves through its Wraparound program in one county.

Participants
- Respondents
  - 19 Caregivers
  - 50 Resource Facilitators
- Average youth age was 15
- 58% of youth were male
- 59% of youth were Caucasian
- ODD & PTSD were the two most common primary diagnoses

Outcome Measures
- Wraparound Fidelity Index (WFI)
  - Measures fidelity to Wraparound principles
  - Administered to youth, caregiver, and resource facilitator through interview every 6 months
  - Higher Score = Greater Fidelity
- Child and Adolescent Functional Assessment Scale (CAFAS)
  - Measures youth's level of functioning
  - Completed by resource facilitator at program entry, every 6 months, and at program exit
  - Lower Score = Greater Functioning
- Child Behavior Checklist (CBCL)
  - Measures youth's level of behavior problems
  - Administered to caregiver at program entry, every 6 months, and at program exit
  - Lower Score = Lower Behavior Problems

Analysis
An inspection of resource facilitator WFI scores during five 6-month periods revealed that WFI scores were lower during one period when compared to the other four 6-month periods.

Pearson Correlations
- Time 1
  - (Jul-Dec 2004)
- Time 2
  - (Jan-Jun 2005)
Resource Facilitator Findings

<table>
<thead>
<tr>
<th>Like Informant</th>
<th>WFI</th>
<th>EMA</th>
<th>EMA Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time 1</td>
<td>-</td>
<td>-</td>
<td>200</td>
</tr>
<tr>
<td>Time 2</td>
<td>-</td>
<td>-</td>
<td>100</td>
</tr>
<tr>
<td>Cross Informant</td>
<td>WFI</td>
<td>EMA</td>
<td>EMA Total</td>
</tr>
<tr>
<td>Time 1</td>
<td>-</td>
<td>-</td>
<td>100</td>
</tr>
<tr>
<td>Time 2</td>
<td>-</td>
<td>-</td>
<td>50</td>
</tr>
</tbody>
</table>

**Note:** *p = .001 **p < .001

Caregiver Findings

<table>
<thead>
<tr>
<th>Like Informant</th>
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<th>EMA</th>
<th>EMA Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time 1</td>
<td>-</td>
<td>-</td>
<td>200</td>
</tr>
<tr>
<td>Time 2</td>
<td>-</td>
<td>-</td>
<td>200</td>
</tr>
<tr>
<td>Cross Informant</td>
<td>WFI</td>
<td>EMA</td>
<td>EMA Total</td>
</tr>
<tr>
<td>Time 1</td>
<td>-</td>
<td>-</td>
<td>100</td>
</tr>
<tr>
<td>Time 2</td>
<td>-</td>
<td>-</td>
<td>50</td>
</tr>
</tbody>
</table>

**Note:** *p = .001 **p < .001

Satisfaction Measures

- **Family Centered Behavior Scale (FCBS)**
  - Measures level of family centeredness
  - Administered to caregiver every 6 months
  - Higher score = Greater Family Centeredness
- **Youth Services Survey for Families (YSS-F)**
  - Measures caregiver satisfaction
  - Administered to caregiver at program entry
  - Higher score = Greater Satisfaction
- **Youth Services Survey (YSS)**
  - Measures youth satisfaction
  - Administered to youth (13+) at program exit
  - Higher score = Greater Satisfaction

How about Wraparound fidelity and service delivery...

Pearson Correlations for Satisfaction

<table>
<thead>
<tr>
<th>WFI</th>
<th>FCBS (n = 75)</th>
<th>YSS-F (n = 54)</th>
<th>YSS (n = 42)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caregiver</td>
<td>.66***</td>
<td>.72***</td>
<td>-</td>
</tr>
<tr>
<td>Youth</td>
<td>-</td>
<td>-</td>
<td>.62***</td>
</tr>
</tbody>
</table>

**Note:** ***p < .001

Central Findings

- There is a moderate relationship between fidelity to Wraparound principles and clinical outcomes
- Fidelity is more consistently correlated with clinical outcomes for the community-based and strength-based elements
- The WFI is strongly correlated with satisfaction outcomes
## Comparison Study

<table>
<thead>
<tr>
<th>Resource Fidelity WFI</th>
<th><em>p</em> Value</th>
<th>Significance</th>
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</thead>
<tbody>
<tr>
<td>Published Study</td>
<td>0.001</td>
<td><em>p &lt; 0.05</em></td>
</tr>
<tr>
<td>WFI</td>
<td>0.12</td>
<td>ns</td>
</tr>
</tbody>
</table>


## Limitations

- Relatively small sample size, especially when looking across time points
- Limited youth data
- No analysis of evidence-based practices, which may be the "missing link" between fidelity and clinical outcomes

## Definition of Wraparound

"Wraparound is not a service and not a program, but a process for providing care for children and families."


## Discussion

- Contributes to the growing body of evidence that there is a moderate relationship between Wraparound fidelity and clinical outcomes
- Suggests WFI is strongly related to measures of service delivery (i.e., satisfaction measures)
- Indicates that future studies should examine the relationship between evidence-based practices and clinical outcomes

## Contact Information:

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