THE WRAPAROUND FIDELITY ASSESSMENT SYSTEM: A History of National Means and Other Psychometrics

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Introduction

The Wraparound Fidelity Assessment System (WFAS) is a multi-method approach to assessing adherence to Wraparound principles and overall quality of service.

This poster summarizes recent analyses of the WFI-4, WFI-EZ, and TOM national means, fidelity scores, and other psychometrics.

Measures

WFI-4: Interviews completed by caregivers (CG), facilitators (WF), youth (Y; age 11 or older), and team members (TM).

TOM: Employed by external evaluators who rate the presence or absence of indicators of adherence and quality during a Wraparound team meeting.

WFI-EZ: A brief, self-administered survey completed by CG, WF, Y, and TM that assesses fidelity across key elements, satisfaction, and outcomes.

Procedure


<table>
<thead>
<tr>
<th>Form</th>
<th>Caregiver</th>
<th>Youth</th>
<th>Facilitator</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006-2008</td>
<td>n=2,404</td>
<td>n=1,176</td>
<td>n=2,738</td>
</tr>
<tr>
<td>2009-2011</td>
<td>n=722</td>
<td>n=327</td>
<td>n=1,235</td>
</tr>
<tr>
<td>2012-2015</td>
<td>n=207</td>
<td>n=1,167</td>
<td>n=2,738</td>
</tr>
</tbody>
</table>

Number of study sites and forms by respondent included in WFI-EZ analysis from 2012-2015

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Results: WFI-4 & TOM

Percentage of WFI-EZ forms with total number of “Yes” responses to Wraparound indicators for Section A

Facilitator responses do not appear to inflate scores, and collecting from one respondent is sufficient to get an accurate and satisfactory measure of fidelity.

WFI-EZ means are not significantly different between respondents

Satisfaction and fidelity are highly positively correlated

Sites with fidelity scores one standard deviation above the national mean were more likely to also have satisfaction scores one SD above the mean; the reverse was also true. (Pearson r = 0.819, p<.01).

Fidelity (left) and satisfaction (right) compared to the national mean for n=19 WFI-EZ sites

WFI-EZ National means and key element scores by respondent, aggregated at a site level from 2012-2015

Youth receiving higher fidelity Wraparound experienced fewer ER visits (p<0.1), and had fewer negative contacts with police.

Findings & Implications

- WFI-4 & TOM scores increased substantially over time; ceiling effects were detected in both tools.
  - TOM scores increased at a higher rate than the WFI-4, and overall means significantly increased from period 1 to 2 (p<.05).

- Significant differences by respondent were not detected in WFI-EZ means.
  - The only notable difference is higher facilitator ratings for being Strength & Family Driven.

- Sites range widely on youth and caregiver reports of satisfaction, as assessed by the WFI-EZ.

- Youth ER visits due to mental health problems occurred more in sites with lower fidelity (p<0.1).

- Piloting of new TOM 2.0 measure has just concluded.

Higher fidelity scores are related to more positive outcomes

Youth outcomes since starting Wraparound by site-level fidelity

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