



The Relationship Between Fidelity to Wraparound and Outcomes

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EMQ Children & Family Services

Our Mission

To work with children and their families to transform their lives, build emotional, social and familial well-being, and to transform the systems that serve them.

Our Philosophy

- ⊗ Family Voice
- ⊗ Collaborative/Integrative
- ⊗ Culturally Competent
- ⊗ Strength-Based
- ⊗ Persistence
- ⊗ Team Based
- ⊗ Community-Based
- ⊗ Individualized
- ⊗ Natural Supports
- ⊗ Outcomes Based

Purpose of Study

- Previous research has found an association between greater Wraparound fidelity and better child and family outcomes (Bruns, 2004), but the relationship has not been clearly understood
- This study sought to further understand the relationship between fidelity to the 11 core elements of Wraparound and treatment outcomes

Demographics

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- Average Age at Admission: 14 years
- 63% Male; 37% Female
- 62% Caucasian; 26% African-American; 8% Latino; 2% Asian/Pacific Islander; 1% Native-American; 1% Other
- Average Length of Stay: 15 months

Fidelity to Wraparound

- EMQ Sacramento has collected the Wraparound Fidelity Index (WFI) since 2001
 - Measures fidelity to Wraparound principles
 - Administered to Youth, Caregiver, & Resource Facilitator
 - Higher Score = Greater Fidelity
- Implementation Measures:
 - Wraparound Fidelity Index – 3.0 (WFI-3.0; Suter et al., 2002)
 - Collection since 2003
- Sample included the following:
 - 146 WFI's collected from Youth
 - 124 WFI's collected from Caregivers
 - 183 WFI's collected from Resource Facilitators

Outcome Measures at Discharge

- Child and Adolescent Functional Assessment Scale (CAFAS; Hodges, 2000)
 - Measures youth's level of functioning; completed by Resource Facilitator
 - Lower Score = Greater Functioning
 - Exit Total CAFAS Score
- Child Behavior Checklist (CBCL; Achenbach, 2001)
 - Measures youth's level of behavior problems; administered to Caregiver
 - Lower Score = Lower Behavior Problems
 - Exit Total, Externalizing, & Internalizing CBCL Scores
- Living Arrangement at Discharge: Community or Facility

Correlations Among WFI Scores and Outcomes at Discharge

	CBCL Total	CBCL Externalizing	CBCL Internalizing	CAFAS Total	Living in Community
1. Voice and Choice	.12	.07	.12	.15*	.47
2. Youth and Family Team	-.04	-.04	.01	.07	.10
3. Community-Based Services	-.19*	-.25**	-.21*	-.40**	-.21**
4. Cultural Competence	.06	.01	.02	.10	.15
5. Individualized Services	.09	.06	.01	.11	.05
6. Strengths-Based	-.10	-.09	-.14	.08	.05
7. Natural Supports	-.19*	-.12	-.13	-.07	.13
8. Continuation of Services	-.06	-.02	-.12	.12	-.02
9. Collaboration	-.04	-.03	-.17*	.13	-.11
10. Flexible Resources/Funds	-.06	.04	-.14	.05	-.20**
11. Outcome-Based Services	-.16	-.04	-.18*	.14*	-.21**
12. RF Total Fidelity	-.09	-.20	-.08	-.15	.16
13. Caregiver Total Fidelity	-.04	-.02	-.12	.04	-.15
14. Youth Total Fidelity	-.03	-.01	-.05	.02	-.05
15. WFI Total Fidelity	-.10	-.09	-.15	.05	.04

Note: *p<.05; **p<.01

Significant Results

	Community-Based Services
CBCL Total	-.19*
CBCL Externalizing	-.25**
CBCL Internalizing	-.21*
CAFAS Total	-.40**
Living in Community	.21**

Note: *p<.05; **p<.01

- Greater community-based services is related to lower impairment on the CBCL and CAFAS at discharge
- Greater community-based services is related to community living arrangement at discharge

- Results**
- Greater fidelity to the provision of Community Services/Supports in Wraparound is related to positive outcomes
 - No other elements had as significant correlations to outcomes as Community Services/Supports
 - No significant relationship found between Total Fidelity Scores and outcomes at discharge

- Implications**
- Implications for teams to support a youth's school attendance and involvement in work, training, and other community activities (e.g., church, sports, art, etc.) as well as support community-based living situations for youth (as an alternative to residential or institutional care) in order to improve outcomes.

- Future Directions**
- EMQ Sacramento recently began collecting data on the Child and Family Team process
 - Further examination on the relationship between fidelity and performance outcomes

Questions?

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