Creating Effective Child and Family Team Meetings: What Does the Research Say?

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Child and Family Team Meeting Processes as Predictors of Changes in Youth Functioning

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The Importance of Wraparound Fidelity

- Growing recognition of the importance of assessing wraparound fidelity
- The Wraparound Fidelity Assessment System examines adherence as shown in:
 - Wraparound practice (WFI)
 - Documentation (under development)
 - Observation of team meetings (WOF)
- · WFI is the most widely used measure of fidelity
- WFI has, at times, related to outcomes

The Utility of Participants' **Perceptions of CFTs**

- Wraparound team meeting processes have important implications for how the team develops and implements plans
- Observations are useful indicators of team process, but are expensive and do not capture experiences of the participants
- The Participant Rating Form (PRF) has been developed to record participants' views of the team
- Team members' perceptions relate to child outcomes, and should be examined more often

The Participant Rating Form

- Assesses the perceptions of 5 different types of participants on adherence to wraparound principles at the team meeting:
 - Youth
 - Caregiver/Parent
 - Supportive Person (informal support)
 - · Service Provider
 - Facilitator
- Administered at end of Child and Family Team (CFT) meeting

The Participant Rating Form

- 35 total items; 5 forms
 - Parent/caregiver
 - Youth
- Facilitator/coach
- Skewed high; but 25/35 have scores ranging from 1-4
 - Low scores:
 - I had a say in who came to the meeting. Mean = 3.18
 The plan involves supportive
 - people besides child professionals (such as a friend, neighbor, coach, aunt, minister). Mean = 3.26
- Service provider
- Informal support
- High scores:
- · Participants worked together as a team. Mean =3.86
- The meeting was useful. Mean =

The Participant Rating Form

- Two factors have been identified:
 - Team Cohesion 6 items, reflecting, for example:
 - Members listen
 - Work together as a team
 - Sensitive to family culture
 - Members understand family
 - Team Functioning 10 items, reflecting, for example:
 - Focus on child and family strengths
 - Focus on family needs
 - Follow up on plan
 - Address barriers to plan
 - Plan for crisis
 - · Participants 1 item
 - Everyone who needed to be there was present

The Participant Rating Form

- Results from the PRF relate to observers' ratings of team functioning (Cook et al., 2007)
- Findings are comparable to those yielded by other measures of fidelity (Bruns, Suter, & Leverentz-Brady, 2003; Davis & Dollard, 2004; Epstein et al., 2003; Koroloff & Schutte, 2003)
- Data have been collected from:
 - > 9000 participants
 - ◆ > 1700 team meetings
 - > 350 teams

The Present Study

- Involves data from 60 families with
 - Team completing at least 1 PRF
 - Intake and 6-month follow-up interviews in National Evaluation
- PRF data include, on average for each meeting:
 - 4.44 individual respondents
 - 2.28 professionals
 - 1.14 caregivers
 - .67 vouth . 23 informal supports
- Data divided into 3 groups:
 - Parent/caregiver
 - Youth
 - Other (professionals and informal supports)

Group Differences in Ratings

- Parents and Others rated team meetings more highly than youth on Cohesion, Functioning, and **Participants**
- When team members identified someone who needed to be at the meeting who was not there:
 - 73% of teams had Professionals identify someone
 - 40% of teams had Youth identify someone
 - 22% of teams had Parents identify someone

Group Differences in Ratings

- But when we examine how often individual participants identified a specific person who should be at the meeting:
 - 25% of youth identified a specific individual
 - 17.4% of professionals identified someone
 - 6.5% of parents/caregivers identified someone
- · Youth were most likely to identify informal supports as those needing to be there (33.3%); they rarely identified professionals (1.6%)
- Caregivers wanted professionals (43.5%) more than informal supports (21.7%)
- Professionals wanted professionals (55%) more than informal supports (20.7%)

Relationship of Team Functioning to Outcomes

- Average Ratings by All Team Members:
- Teams with higher overall levels of Team Cohesion:
 - Had greater gains on CBCL scores

 - Internalizing (β = -.214, p = .04); and
 Externalizing (β = -.226, p = .04)
 - Had higher caregiver ratings:
 - Satisfaction with Services (r = .37, p = .02)
 - Improvement in Youth Functioning (r = .43, p = .01)

Relationship of Team Functioning to Outcomes: Ratings by Youth

- When Youth rated *Team Functioning* higher:
 - · Youth reported greater gains in their Strengths
 - BERS Strength Quotients ($\beta = .317$; p = .04)
- When Youth indicated they had "all the Participants needed" at the meeting:
 - Youth showed higher levels of Internalizing Problems $(\beta = .215; p = .05)$
 - Contrary to expectations

Relationship of Team Functioning to Outcomes: Ratings by Caregivers

- · Higher Caregiver Ratings of Team Cohesion Related to
 - Higher caregiver ratings of:
 - Satisfaction with Services (r = .34, p = .04)
 - Improvement in Youth Functioning (r = .42, p = .01)
- · Higher Caregiver Ratings of Team Functioning Related to
 - Higher caregiver ratings of:
 - Satisfaction with Services (r = .37, p = .02)
 - Improvement in Youth Functioning (r = .49, p = .01)
 - Higher youth ratings of:
 - Improvement in Youth Functioning (r = .48, p = .01)
 - Improvements in Externalizing Problems (β = .255; p = .02)

Relationship of Team Functioning to Outcomes: Ratings of Teams by Professionals (Others)

- · Higher Professionals' Ratings of Team Cohesion Related to
 - Higher caregiver ratings of:
 - Satisfaction with Services (r = .36, p = .03)
 - Improvement in Youth Functioning (r = .35, p = .03)
 - · Improvements on CBCL scores
 - Social Problems ($\beta = -.207, p = .02$); and
 - Internalizing Problems ($\beta = -.225$, p = .03)
- When Professionals indicated they had "all the Participants needed", there was
 - Deterioration in Social Problems ($\beta = .233$; p = .02)
 - Decline in Caregiver-reported Youth Strengths (β = -.243; p = .02)

Summary of Outcomes

- Ratings of Team Cohesion
 - Predict youth improvement (CBCL)
 - Predict caregiver satisfaction with services and reports of improvement in youth functioning
- · Ratings of Team Functioning
 - By Youth predict improvements in youth-reported strengths
 - By Caregivers predict higher caregiver satisfaction with services, reports of youth improvement in functioning, and youth-reported improvement in functioning

Summary of Outcomes

- Ratings of "having all Participants needed"
 - By Youth Predicts increases in internalizing behaviors (as reported by caregiver)
 - By Others Predicts decreases in youth strengths, increases in social problems, increases in global impairment (as reported by caregiver), and lower levels of caregiver-reported improvement
- · These results are contrary to expectations

Implications

- Not surprising that more cohesive teams predict improvements
 - Working together, listening to one another, respecting culture, etc. – all are likely to contribute to teams being able to come together and address needs
- Similarly, no surprise that better team functioning is related to youth functional improvement, caregiver ratings of satisfaction and youth improvement in adjustment, youth-rated improvements, and youth rated strengths
 - If teams focus on strengths, follow through, etc., we should have better outcomes.

Implications

 Surprising findings center on the rating of Participants – whether "team members who needed to be there" were, in fact, at the meeting

Implications

- When <u>youth</u> indicated no need for anyone else (avg. of 4.4 people per meeting) to be there, they showed more internalizing behavior problems over time.
 - Why? Perhaps those with internalizing symptoms are less likely to want to engage with people more generally?
- When "others" (mostly professionals) indicated no need for anyone else to be there, youth evidenced declines in strengths, increases in social problems, and increases in global impairment
 - Put another way, when "others" indicate a need for others to be on the team, youth do better.

Implications

- Why does the report that team needs more participants relate to poorer outcomes?
 - Does the desire for more team members, when there are so few informal supports on small teams, indicate a greater tendency to support a wraparound approach?
 - Could it be a recognition that these youth have pronounced needs and, if all necessary "players" are not at the table, the team will be less able to address them?
 - Is this indirectly suggesting that professionals (including the team facilitator) who "buy" the model have better outcomes?

Implications: Summary

- What happens at the team meeting level is important
 - · Needs to be a greater focus of practice and research
 - Training, supervision, feedback, coaching, and other strategies should be studied to assess what improves meetings
- Even with measurement limitations (variability in amount of data collected, restricted range of responses) and a relatively small *N*, this work identified an important pattern of results, using outcomes measures "distant" from the predictors

Implications: Summary

- Examination of how different people at the team view the process is important
 - · Youth see it as less positive than everyone else
 - Not surprising that facilitators view process positively, but parents view it very similarly; more importantly, their views were related to outcomes in very different ways from youth and parents
 - Different participants' ratings related to different outcomes; need to look at other types of participants and consistency
- We need to use more sophisticated data analytic strategies to better understand these processes, over longer periods of time

Thanks

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Relationships of Child and Family Team Meeting Processes to Initial and Long-Term Changes in Youth Functioning

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Understanding Outcomes Over Time

- Most prior studies of wraparound examine youth outcomes at a single follow-up point
- Benefits of examining multiple points of follow-up:
 - Assessing change over longer periods of time
 - Better capturing differences in individual patterns of change
 - · Ability to examine nonlinear effects

Multi-Level Modeling Approach to Longitudinal Data

- Use of multi-level modeling can address challenges in using "real-world" longitudinal data
 - Missing data
 - Nested data
 - Differences in rates of change (slopes)
 - Captures nonlinear effects

Present Study

- This paper builds on the Hemphill et al. findings, using multi-level models to:
 - expand analyses to a larger sample; addressing problems with missing data
 - examine differences in rates of change
 - examine linear and non-linear effects

Questions

- Do outcomes change over 18 months?
- Do greater Cohesion, Functioning & Participation predict linear change over 18 months?
- Do CFT processes relate to non-linear change, for example:
 - Greater initial than long-term improvement
 - Change, but then "relapse"

Method

- · Data were from 126 families with:
 - · At least one time point of Participant Rating Forms (PRFs)
 - Intake and any follow-up data from the National Evaluation
 - A small minority of families were also included with initial but no follow-up data
- · Four types of reporters:
 - Parent/caregiver
 - Youth
 - CFT facilitators
 - Other service providers
- Aggregate ("Total") scores were also examined

Analyses

- Outcomes:
 - CBCL Internalizing, Externalizing, & Social Problems
 - BERS Total Strengths
- Separate multi-level models (MLMs) estimated for each PRF indicator, outcome, and reporter type
- · Linear and nonlinear effects included
- Predictor outcome relationships modeled as cross level interaction terms
 - Predictor x time & predictor x time x time

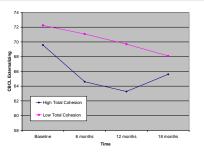
Results

- Unconditional models showed substantial variability within as well as between youth on all outcome indicators
 - Level 1 variance: between 51.87% (externalizing) and 61.47% (internalizing)
- All outcome indicators also showed both significant linear and quadratic change

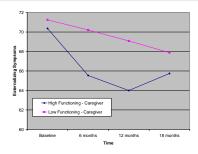
Conditional Models – Cohesion & Functioning

- PRF Cohesion and Team Functioning scores predicted only non-linear change
- Total cohesion predicted non-linear change in externalizing problems
- Caregiver reports of functioning predicted non-linear externalizing problems and strengths
- What was the nature of the non-linear effects?

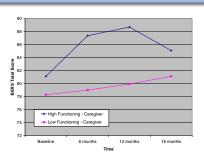
Total Cohesion & Externalizing Symptoms



Caregiver Rated Team Functioning & Externalizing Symptoms



Caregiver Rated Team Functioning & Youth Strengths



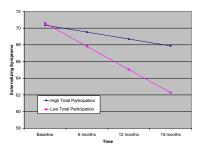
Conditional Models – Cohesion & Functioning

- In sum:
 - Greater team cohesion predicted a "relapse" pattern of change for externalizing symptoms and strengths
 - i.e., greater initial improvement was followed by greater later deterioration
 - Though youth did not return to baseline levels, this meant that overall (i.e., linear) change was not significant
 - Greater caregiver-rated team functioning predicted similar patterns for externalizing symptoms and strengths

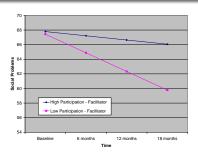
Conditional Models – Participation

- Echoing findings from Hemphill et al., participation predicted:
 - less improvement of externalizing symptoms (total participation)
 - for facilitator and service provider-rated participation, less improvement in social problems
- · Non-linear effects were non-significant

Total Participation & Externalizing Symptoms



Facilitator-Rated Participation & Social Problems



Discussion – Cohesion & Team Functioning

- Unlike in Hemphill et al., cohesion and functioning were NOT related to overall improvement
- However, non-linear patterns of prediction still suggest that better teams produce initial gains
- If only non-linear effects had been tested, we would have missed this
- Possible explanations:
 - "Mobilization of hope", but insufficient follow-through with adequate formal and informal supports
 - Maturation may be associated with deterioration (e.g., because of increased likelihood of substance abuse)

Discussion – Participation

- As in Hemphill et al., higher ratings on team participation were associated with poorer prognosis
- Also as in Hemphill, professionals' reports in particular were associated with less improvement
- The fact that these ratings predicted poorer prognoses over the entire 1.5 year follow-up period is especially troubling

Limitations & Future Research

- Small sample in larger sample may want to test more complex models
- As in Hemphill et al., different findings across reporters are hard to interpret
- In addition to outcomes, CFT processes may change over time
 - Is change in processes related to change in outcomes?
 - Stronger inferences about the relationships could be made by relating change to change
- Are better CFT processes related to increased or more suitable services?

Summary & Conclusions

- · CFT processes matter
- More cohesive and better functioning teams are related to more youth improvement initially
- · However, initial improvements diminish over time
 - Reasons for a lack of more sustained influence need to be explored
- Reports of adequate participation continue to predict less improvement at 1.5 years
 - Is less seeking of team members particularly informal supports – an enduring trait of less effective teams?

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