Conjoint Behavioral Consultation: The Effectiveness of a Partnership Orientation

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Conjoint Behavioral Consultation: The Effectiveness of a Partnership Orientation

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Families and Schools

- There are numerous settings in which children learn:
  - Children spend an estimated 91% of their time between birth to the age of 18 outside of school (Usdan, 1990); once in school, they spend an estimated 70% of their time outside of school (Clark, 1990).

- Families provide the single most important influence on a child’s development, where schools provide the second most important influence.

- Families provide unique contributions to children’s academic, behavioral, and socioemotional outcomes.

- The interface of families and schools provide children, families, and educators with favorable outcomes.
Family-Centered Perspective

- Aimed at “enabling individuals and groups to become better able to solve problems, meet needs, or achieve aspirations by promoting the acquisition of competencies that support and strengthen functioning in a way that permits a greater sense of individual or group control over its developmental course” (Dunst, Trivette, Davis, & Cornwell, 1994, p. 162).

- Characteristics:
  - Recognizes family as the constant within a child’s life
  - A positive and proactive approach emphasizes the need to support and strengthen family functioning
  - Services are delivered “with” families, not “to” or “for” families

Partnership-Oriented Perspective

- Families and educators are unique, co-equal partners and contributors, to a child’s learning.

- An extension of family-centered principles wherein educators or other support personnel contribute to the child’s learning and development.

- Underlying principles:
  - No fault approach (i.e., shared ownership)
  - Nondeficit approach (i.e., strengths-based)
  - Facilitates empowerment
  - Facilitates an ecological approach (i.e., emphasis on the mesosystem) (Christenson & Hirsch, 1998)

- Conjoint Behavioral Consultation (CBC) is one model for promoting partnerships between families and schools.
Conjoint Behavioral Consultation (CBC; Sheridan, Kratochwill, & Bergan, 1996)

Characteristics:
- A structured, indirect model of service delivery.
- Procedurally defined in 3 interviews: Conjoint Needs Identification Interview, Conjoint Needs Analysis Interview, and Conjoint Plan Evaluation Interview.
- Families and teachers collaboratively address student needs with a consultant in problem-solving framework.
- Aims to facilitate and promote partnerships through shared responsibility, a strengths-based orientation, relationship building, and skill building.

Conjoint Behavioral Consultation has been found to be:
- An acceptable model of service delivery as reported by school psychologists, families and teachers (Freer & Watson, 1999; Sladeczek, Madden, Illsley, Finn, & August, 2006; Sheridan & Steck, 1995).
- An evidence based consultation model effective in addressing students’ academic, behavioral, and social needs (Guli, 2005; Sheridan, Eagle, Cowan, & Mickelson, 2001).
Conjoint Behavioral Consultation: A Partnership Model

- CBC engenders a family-centered positive psychology philosophy (Sheridan, Warnes, Cowan, Schemm, & Clarke, 2004)
  - Family-centered positive psychology principles:
    - Focuses on processes, rather than outcomes
    - Builds on family strengths to access and mobilize resources
    - Focuses on family-identified needs
    - Promotes skill acquisition and competencies
  - Family-centered positive psychology principles in CBC:
    - Addresses family and teacher identified needs
    - Establishes partnerships between families and schools
    - Develops and enhances the skills and competencies of families and teachers

- CBC is also related to effective helping (Sheridan et al., 2004)
  - Helping characteristics embedded in CBC:
    - Responsiveness to parent and teacher needs
    - Promotion of competency acquisition
    - Promotion of partnership and collaboration among systems (i.e., family and school)

- Parents’ and teachers’ views of helpfulness are not always congruent.
Conjoint Behavioral Consultation: A Partnership Model

- Dialogue between consultants and consultees reflect collaboration within CBC interviews (Sheridan, Meegan, & Eagle, 2002).

- As measured by the Partnership Orientation Scale, CBC consultants are generally effective in conveying a partnership tone in relationship to:
  - Focusing on strengths, teaming and collaboration, encouraging, being sensitive and responsive, communicating effectively, developing skills, and being resourceful and sharing information (Sheridan et al., 2005).

- The degree to which a partnership orientation predicts CBC outcomes and relates to CBC service delivery (i.e., implementation integrity) have not been investigated.

Current Study

- Purpose
  - Investigate the degree to which CBC as a partnership model predicts case outcomes

- Research Questions
  - Does partnership orientation predict CBC case outcomes?
  - What is the relationship between partnership orientation and integrity of the CBC problem-solving objectives?
## Methods

### Table 1
Demographic Information (n = 20)

<table>
<thead>
<tr>
<th>Grade</th>
<th>Teacher</th>
<th>Parent</th>
<th>Child</th>
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<td>36.94</td>
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<td>70%</td>
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<tr>
<td>Hispanic</td>
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<thead>
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<td>Male</td>
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<td>10%</td>
<td>75%</td>
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<tr>
<td>Female</td>
<td>85%</td>
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<td>3.55</td>
<td>2.75</td>
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<tr>
<td>SD</td>
<td>0.07</td>
<td>0.88</td>
<td>0.55</td>
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<table>
<thead>
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<th>Grade</th>
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<th>Consultant</th>
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</thead>
<tbody>
<tr>
<td>Mean</td>
<td>3.40</td>
<td>3.40</td>
<td>3.55</td>
<td>3.40</td>
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<tr>
<td>SD</td>
<td>0.55</td>
<td>0.88</td>
<td>0.55</td>
<td>0.25</td>
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</tbody>
</table>
Variables

- **Predictor Variable:**
  - Partnership Orientation

- **Outcome Variables:**
  - Satisfaction
  - Acceptability
  - Perceptions of Effectiveness
  - Child Outcomes
  - Process Integrity

Measures

**Predictor Variable:** Effectiveness with which the consultant demonstrated a partnership orientation throughout the CBC process

- **Partnership Orientation Scale (POS)**
  - Seven partnership oriented items rated on a 6-point Likert scale across 3 interviews.
  - Total partnership score for each case was derived by averaging the consultant’s scores on each partnership-centered item across CBC interviews.
  - Early research with the POS has yielded adequate internal consistency estimates (alpha = .90).
Measures

Outcome Variables:

- **Satisfaction**
  - Parent and teacher satisfaction with the CBC process was assessed using the Consultant Evaluation Form (CEF; Erchul, 1987).
  - Parents and teachers rated the degree to which they were satisfied with the CBC process and the consultant using a 12 item, 7-point Likert scale.

- **Acceptability**
  - Parents’ and teachers’ beliefs of treatment acceptability were examined using a revised version of the acceptability factor of the Behavior Intervention Rating Scale-Revised (BIRS-R; Elliott & Von Brock Treuting, 1991).
  - Parents and teachers rated their acceptability of the CBC process using a 15 item, 6-point Likert scale.

- **Perception of Effectiveness**
  - Parents’ and teachers’ beliefs of treatment effectiveness were examined using the effectiveness factor of the BIRS-R (Elliott & Von Brock Treuting, 1991).
  - Parents and teachers rated their perceived effectiveness of the CBC process using a 7 item, 6-point Likert scale.

- **Child Outcomes**
  - Effect sizes were computed for each case using a “no assumptions approach” (Busk & Serlin, 1992).
  - Case effect sizes ranged from -1.95 to 2.79
Measures

Outcome Variables:

- **Process Integrity**
  - Process Integrity was measured by independent observers using the CBC Objectives Checklist.
  - The checklists were summaries of CBC objectives as listed on the CBC structured interview forms (Sheridan et al., 1996).
  - Across all consultants and interviews, an average of 89% of the objectives were met.

Procedures

- Interviews comprised 20 randomly selected cases from an existing database of CBC cases completed by school psychology graduate students between 1998 and 2005.

- Using the POS, each of the CBC interviews were coded based on the degree to which consultants effectively demonstrated a partnership orientation in CBC.

- Cases were randomly assigned to a team of 8 coders who had been trained to mastery in the CBC process and in the use of the POS.
  - 33% of the interviews were coded by two coders.
  - Ratings were considered reliable if they were within 1 effectiveness rating of each other.
  - Inter-rater reliability = 100%.

- Data for all outcome variables were collected and calculated at the conclusion of CBC cases.
Analyses and Results

Analyses

- Regression analyses were conducted to assess the degree to which partnership orientation predicted satisfaction, acceptability, perceived effectiveness, and effect sizes.

- Pearson product-moment correlation coefficient analyses were conducted to assess the relationship between partnership orientation and CBC process integrity.

- We hypothesized that high levels of partnership orientation would be associated with positive case outcomes.
  - Due to the directional nature of the hypothesis, 1-tailed hypothesis tests were used.

- We hypothesized that high levels of partnership orientation would be negatively correlated with integrity of the CBC process.
Results

Table 2

| POS  
  
  (low = 1, high = 6) | BIRS-A  
  
  (low = 1, high = 6) | BIRS-E  
  
  (low = 1, high = 6) | CEF  
  
  (low = 1, high = 7) | ES |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Parent</td>
<td>Teacher</td>
<td>Parent</td>
<td>Teacher</td>
<td></td>
</tr>
<tr>
<td>Mean 4.04</td>
<td>5.48</td>
<td>4.69</td>
<td>4.55</td>
<td>6.44</td>
</tr>
<tr>
<td>Median 3.86</td>
<td>5.65</td>
<td>4.79</td>
<td>4.79</td>
<td>6.54</td>
</tr>
<tr>
<td>SD .639</td>
<td>547</td>
<td>.66</td>
<td>.988</td>
<td>1.13</td>
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<td>669</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1.05</td>
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</tbody>
</table>

Notes:  

- POS = Partnership Orientation Scale  
- BIRS-A = Behavior Intervention Rating Scale Acceptability  
- BIRS-E = Behavior Intervention Rating Scale Effectiveness  
- CEF = Consultant Evaluation Form

Results

Research Question 1: Does partnership orientation predict case outcomes in CBC?*

- Partnership orientation and teacher acceptability
  - A significant linear relationship was evident between partnership orientation and teacher acceptability ($R = .526$; $t (18) = 2.627$; $p = .01$). 
    - For every 1 point increase in partnership orientation score, we expect a 0.54 point increase in acceptability score.  
    - Approximately 28% of the variance of teacher acceptability scores can be accounted for by the degree of partnership orientation ($R^2 = .277$).  

- Partnership orientation and teacher satisfaction
  - A significant linear relationship was found between partnership orientation and teacher satisfaction ($R = .379$; $t (18) = 1.736$; $p = .05$).  
    - For every 1 point increase in partnership orientation score, we expect a 0.40 point increase in teacher satisfaction scores.  
    - Approximately 14% of the variance of teacher satisfaction scores can be accounted for by the degree of partnership orientation ($R^2 = .143$).  

- Partnership orientation did not significantly predict parent acceptability and parent satisfaction.

*1-tailed tests were used due to the directional nature of the hypotheses.
Results

Table 3

Summary of Linear Regression Analyses of CBC Acceptability and Satisfaction on Partnership Orientation (N = 20)

<table>
<thead>
<tr>
<th>Partnership orientation regression results</th>
<th>BIRS-A^a</th>
<th>Teacher</th>
<th>CEF^b</th>
<th>Parent</th>
<th>Teacher</th>
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</thead>
<tbody>
<tr>
<td>B (SE)</td>
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<td>0.544</td>
<td>0.027</td>
<td>0.396</td>
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<tr>
<td></td>
<td>(0.202)</td>
<td>(0.207)</td>
<td>(0.205)</td>
<td>(0.228)</td>
<td></td>
</tr>
<tr>
<td>β</td>
<td>-0.002</td>
<td>0.526*</td>
<td>0.031</td>
<td>0.379*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&lt;0.001</td>
<td>0.277</td>
<td>0.001</td>
<td>0.143</td>
<td></td>
</tr>
</tbody>
</table>

Notes: 
^aBehavior Intervention Rating Scale Acceptability, ratings range from 1-6 with high scores towards the 6.
^bConsultant Evaluation Form, ratings range from 1-7 with high scores towards the 7.
*p < .05 (determined significance based on one-tailed hypothesis)

Results

Research Question 2: What is the relationship between partnership orientation and the integrity of the CBC problem solving process?

- There are no significant correlations between the integrity of the CBC process and partnership orientation scores.
- Mean integrity score across interviews = 89.28%
- Range of integrity scores = 81.56 - 98.13
- CBC can be implemented with integrity within a partnership orientation.
Discussion

A partnership orientation was significant at predicting teachers’ acceptability and satisfaction.

- A higher level of partnership orientation may create the conditions for teachers to view families in a collaborative context with opportunities for shared responsibility in educating children.

- Partnering with parents may address common teacher-reported barriers, such as “different backgrounds,” “time constraints,” and “parents lack of understanding.”

- This study supports the notion that teachers value partnering with families, and CBC provides a structured process by which to do so (Christenson & Sheridan, 2001).
Discussion

- Parents’ acceptability and satisfaction with the CBC process were not predicted by partnership orientation.
  - Parents routinely describe the CBC experience very favorably (e.g., Sheridan et al., 2001; Sheridan & Steck, 1995; Sladeczek et al, 2006).
  - The degree to which a partnership “tone” is projected may be less important than their sheer inclusion in problem-solving and decision-making.
  - CBC is experienced by parents in a manner that is distinct from other forms of traditional parent involvement (e.g., parent teacher conferences).

Discussion

- Partnership orientation did not significantly predict child outcomes.
  - A partnership orientation, although important, is not sufficient to account for child outcomes.
  - CBC is a structured process within which evidence-based interventions can be developed and implemented (White & Kratochwill, in press).

- There were no significant relationships between the integrity of the CBC process and partnership orientation.
  - The integrity of the problem-solving objectives of CBC, which include an emphasis on data-based decision making, can be retained even within a partnership-oriented practice.
Implications for Practice

- Results of this study revealed that teachers appear to value partnering with families, which provides further support for educators to continue findings ways to enhance partnerships in school settings.

- The partnership “tone” conveyed to families does not seem as important as being included in the process; therefore, efforts with families should be focused on moving from basic levels of involvement to embodying a more active partnership role.

- Partnership building should remain to be an integral part of pre-service education, especially considering increasing the level of partnership does not negatively affect the fidelity of the problem-solving model.

Limitations and Future Directions

- Because of the small sample size (N = 20) the generalizability of these findings are limited. Future research should, among other things, include a larger sample.

- Overall, parents and teachers reported high levels of acceptability, satisfaction, and perceived effectiveness, resulting in a lack of variability in some outcome data.

- The manner in which effect sizes were calculated may be unreliable, resulting in potentially inflated effect sizes and a high degree of variability (SD = 1.04).
Limitations and Future Directions

- Direct outcome data are derived from information provided by parents and teachers and not independent observations.

- The Partnership Orientation Scale is in need of further investigations to assess its psychometric properties; however, it appears to be an instrument that may be helpful in assessing the level of partnership orientation in existing models and aiding in the development of future partnership oriented models.

- Consultants were involved in identical, rigorous, and systematic training procedures in CBC; thus, the external validity of the findings are questioned.

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References


References


