

Background

•By definition, rural schools are geographically isolated, creating a unique set of ch educators responsible for diverse needs of nearly 22% of our nation's children (Joh Strange, 2007).

•Rural schools tend to be hard-to-staff with high teacher turnover and a high percent inexperienced or poorly prepared teachers (Monk, 2007).

•Social-emotional and behavioral problems of children are prevalent among childr America (Herzog & Pitman, 1995).

•Despite the need programs and services to address problems in rural schools are o developed, ineffective, or fragmented (Moore, 2001).

•One promising option for meeting rural students behavioral needs is Conjoint Beh Consultation (CBC; Sheridan & Kratochwill, 2008), a family-school partnership in •Family-school consultation services, linking parents and educators in implementing based strategies can be instrumental in addressing unmet behavioral needs of stude settings (Owens et al., 2008).

•The benefits of CBC for students with behavior concerns are well supported by th (e.g., Sheridan et al., 2012).

•However, few studies have investigated the adult factors which influence CBC's the fact that it is adults who deliver the intervention.

•Adult motivation to participate in interventions contributes to treatment integrity proposed as a critical factor for intervention implementation and ultimately child s Photos, 2006).

•Interventions for children are effective only to the extent they

are implemented with integrity by stakeholders (Noell, 2008).

•Understanding the link between teacher motivation for participation in CBC and outcomes is particularly salient in rural schools where teachers often have inadequa (Jerald, 2002).

Purpose

Method

•The purpose of this study is to examine how motivation for change among rural to the success of Conjoint Behavioral Consultation (CBC; Sheridan & Kratochwill, 20 school partnership intervention, for decreasing disruptive behaviors of rural student

•The primary research question asks—Does teacher motivation

moderate the effectiveness of CBC for improving student

behavior?

•This study helps to clarify the conditions under which family-school partnership i most effective.

•That information will be essential to ensuring that this promising

intervention can be adapted to meet the unique needs of rural

teachers, families, and students.

Participants:

•A sample of 115 kindergarten through 3rd grade students, their families and teach from a larger experimental study investigating the efficacy of CBC in rural commu •Teachers were predominantly white non-Hispanic and female.

•Teachers were randomly assigned to a treatment group (received CBC) or control (treatment as usual), and the participating students within a classroom were assign

Procedures:

Conjoint Behavioral Consultation

•CBC is a structured indirect form of support in which teachers and parents work promote adaptive behaviors and decrease disruptive behaviors.

•CBC process lasts approximately 8-12 weeks.

•Within each CBC-assigned classroom, a teacher met with a consultant and parent participating students for CBC meetings via a 4-stage process operationalized by conjoint interviews. See table 1 for description of CBC objectives. CBC stages are

- Needs Identification and Analysis
- Plan Development
- Plan Implementation
- Plan Evaluation

•Through the CBC process teachers develop and implement a behavior plan in their classrooms which consists of 3 components—home-school communication, behavioral function, and rewards. •Control group participants received treatment as usual.

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The Impact of Teacher Motivation for Intervention on Rural Student Behavioral Outcomes Amanda L. Witte, Michael J. Coutts, Shannon R. Holmes, and Susan M. Sheridan

	Table 1		
		jectives of Conjoint Behavioral Consultation Stages	
1 11	Interview	Objectives	
challenges for ohnson &	Needs	 Jointly identify and define student's needs 	
entage of	Identification/ Analysis	• Determine a primary behavior to address (target behavior) for initial intervention	
lren in rural		• Collaboratively develop appropriate goals for target behavior across home and school	
often poorly		 Discuss what is happening before and after the target behavior, as well as specific patterns that occur, during the focused 	
ehavioral		time/setting	
intervention. ting evidence-	D1	Jointly establish a procedure to collect baseline data across settings	
dents in rural the literature	Plan Development	 Collaboratively develop a plan built upon strengths and competencies to address the target behavior across home and school 	
		Learn plan implementation skills as necessary	
s success despite	Plan Implementation	• Implement agreed-upon intervention across home and school settings	
y has been		Make immediate modifications to plan as necessary	
success (Nock &		• Assess immediate changes in student's behavior	
	Plan Evaluation	Determine if the goals for the priority behavior have been met	
	Interview	• Discuss effective elements of the intervention plan	
l student		-	
uate resources		Discuss continuation/termination of plan	
		• Schedule additional interview if necessary, or terminate consultation	
teachers impacts 2008), a family– ents. interventions are	 to participate in interv A teacher questionnai assessed at 4 time point Year 1 1. At enrollment (2. 12-weeks after Year 2 3. Fall of the acad 	 At enrollment (pre-intervention) 12-weeks after enrollment (post-intervention) 	
	Measures		
		nventory (TMI; adapted from Nock & Photos, 2006) t System for Children, 2nd Edition (BASC-2; Reynolds & Kamphaus, 200	
chers was drawn nunities.	Analysis •Variables • Independent varia Kratochwill, 2008	 Variables Independent variable: Conjoint Behavioral Consultation (CBC; Sheridan & 	
ol group gned accordingly.	 Dependent variable: Student behavior outcomes Assessed using the BASC at 4 time points. Moderating variable: Teacher motivation 		
	• Using a mean sp	• Using a mean split of teacher motivation scores teachers were divided into two group—high motivation and low motivation.	
together to	• ANOVA is a statis	 Analysis of Variance (ANOVA) was used to reveal interaction effects among the variables. ANOVA is a statistical method involving the comparison of variances reflecting different sources of variability (Keppel & Wickens, 2004). 	
nts of			
semi-structured		Results	
re:	(CBC) on rural studen•Specifically, studentsreceived lower ratings	cher motivation moderated the effects of conjoint behavioral consultation its' disruptive behaviors. who received CBC and whose teachers reported high levels of motivation of conduct problems ($p=.0577$) and externalizing problems ($p=.0698$) that	
neir classrooms	students who received CBC and whose teachers reported low levels of motivation. See figures 2		

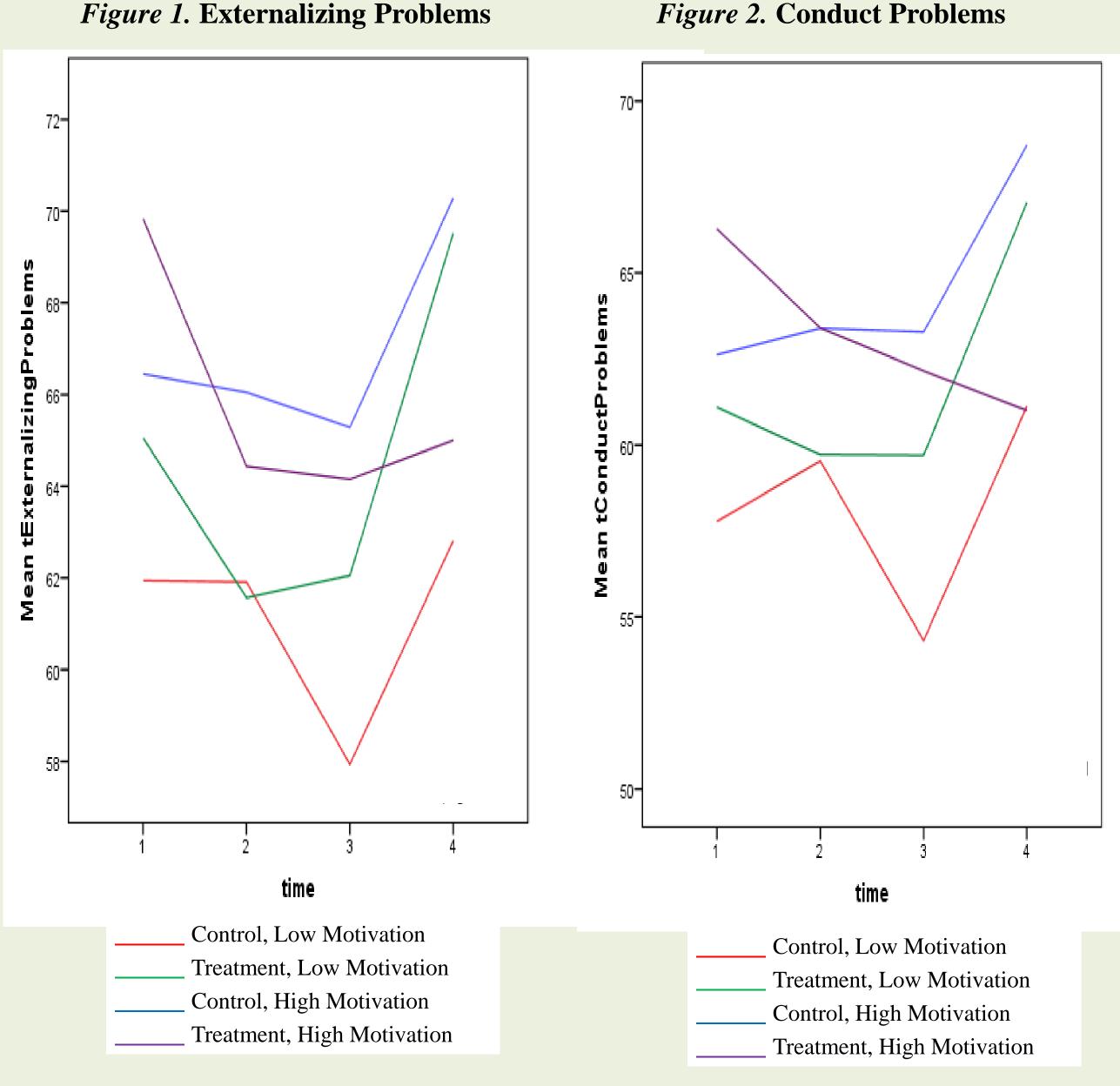
and 2.

•Although treatment student negative behavior decreased in both motivation conditions (i.e., low and high) from time point 1 to time point 2, improvements in behavior from time point 1 to time point 4 were significantly greater in the condition where teacher motivation was high, indicating teacher motivation moderates the effectiveness of CBC over time.

tation Stages

eeds

ionnaire assessing their motivation



•Results suggest increasing teacher motivation for intervention in rural communities may contribute to increased effectiveness of CBC. •As expected all students who received CBC demonstrated reduced negative behavior relative to students in the control group but students who received CBC and had high teacher motivation showed the greatest improvement over time. •Students in the control group showed either an increase or no change in negative behavior from time point 1 to time point 2. Interestingly their scores decreased at time point 3 but rebounded at time point 4.

•The longitudinal nature of the study provides important insight into the long-term implications of teacher motivation for participation in CBC.

• Because the students participated across two different academic years, two different teachers completed the student behavioral outcomes measure (BASC).

• This suggests that teacher motivation affected long-term student behavior even when rated by other teachers.

Limitations and Future Directions

•The patterns of behavior change were unique across all four groups (treatment low motivation, treatment high motivation, control low motivation, and control high motivation) Further investigations are need to determine if these patterns hold in future studies. •The scope of this study did not allow for direct investigation of treatment integrity and its relationship to teacher motivation.

• Because of the hypothesized link between motivation and treatment integrity future studies are need to analyze this link overtly.

indicated relatively high levels of motivation limiting variability. • Studies are needed that actively manipulate teacher motivation for intervention to test for intervention effects for teachers with low, medium and

high motivation.





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Figure 2. Conduct Problems

Discussion

- •Although this study compared low and high teacher motivation groups, all participating teachers