

Introduction

- · Effective interventions implemented with high fidelity results in positive outcomes (Fixsen, Naoom, Blasé, Freidman, &
- Fidelity: Is intervention implemented as designed?
- Dosage: How much of the intervention is provided?
 - Most school-based professional development is "train and
 - 6 reviews involving > 1600 experimental studies published between 1968 and 1990 found that 6%-20% monitored and reported treatment fidelity
 - · When assessed, implementation fidelity varies substantially
 - · Factors associated with high fidelity:
 - · Skill-based training with practice, coaching to application, program evaluation (Fixsen et al., 2005; Joyce &

Method

Research question

Is there a relationship between implementation fidelity and dosage of a school-wide classroom management and social skills program and student social and academic outcomes?

Design

Using a posttest-only comparison group design, the study examined the effects of low and high doses of GBT WMC components on student classroom behavior, suspension rates, and student academic

Participants

56 teachers from 8 Partnership Project elementary schools' 2nd, 3rd, and 4th grades participated in the study. School enrollment ranged from 358 to 780.

Hartford, CT

The Community

- Hartford population 121,578; 38% Latino, 35% African American, 26 Euro-American, 1% Asian/Pacific Islander
- 2nd poorest medium-sized city in America (2000 US Census)
- 71% of children live in single-parent households
- Per capita crime rate is among 10 highest for U.S. medium-sized cities
- Birth rate for unwed mothers is 30% above the rate in 50 major cities studied including NY, Chicago, LA, and Detroit

The District

- 32 schools with an enrollment of >22,000 students in K-12 classrooms
- >96% are members of historically underserved and underrepresented groups in US education, primarily Latino and African American
- >95% qualify for free/reduced price meals
- >50% from families where English is not the home language
- Highest district dropout rate in CT
- High rate of arrests in school, threats to staff, suspensions, expulsions. and students in alternative education program

Girls and Boys Town **Well-Managed Classroom**

Teacher Training

Administrator Training

Goal: Create positive learning climate

- · Establish consistent rules.
- procedures, consequences
- · Prevent problem behaviors Teach social skills
- Praise prosocial behaviors
- · Correct problem behaviors
- Goal: Reduce ODR and suspensions Increase school-wide WMC use
- Measure implementation and effects
- Deal with office referrals
- Evaluate discipline strategies
 Implement school-wide discipline plan
- · Support staff with implementation

Coaching

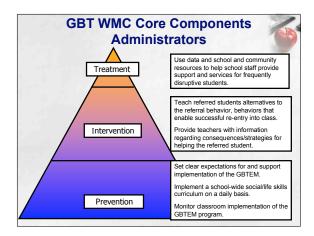
Goal: Increase WMC implementation

- · Coaching provided by HPS district and school and GBT staff
- Assess implementation progress via class observations
- Review w/ staff implementation data and improvement goals
- · Identify challenging staff, students, and situations · Devise strategies to address problems

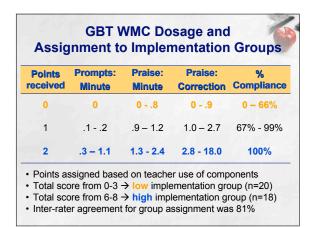
GBT WMC Core Components Teachers

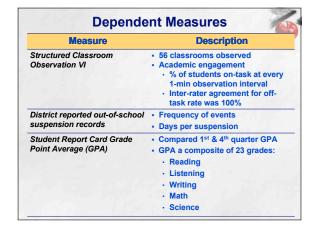


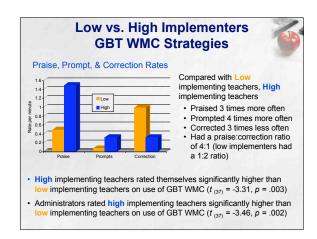
- Explain expectations for student social and academic performance
 - Post classroom and school rules, procedures, and consequences
 - Teach behavioral expectations
- Implement a social/life skills curriculum on a daily basis
- Frequently tell students when they do well academically and socially.
 - Recommended praise-to-correction ratio is 4:1
- Correct student misbehavior and practice appropriate behavior.
 - · Use consequences immediately; avoid repeated warnings
- Develop and evaluate strategies using classroom and school
 - · Focus efforts on frequently disruptive students

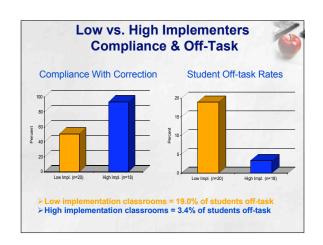


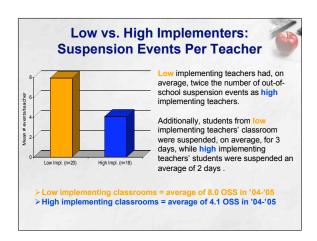
Fidelity Measures					
Measure	Description				
Structured Classroom Observation VI	Praise rate Preventive prompt rate				
	 Praise-to-Correction ratio Percent of student compliance with teacher correction 				
Teacher surveys	23-items (4-point Likert scale) Teachers rate: Their use of GBT WMC techniques Student classroom behavior Admin. use of GBT WMC techniques				
Administrator surveys	17-items (4-point Likert scale) Administrators rate: Teacher use of GBT WMC technique: Student classroom behavior				

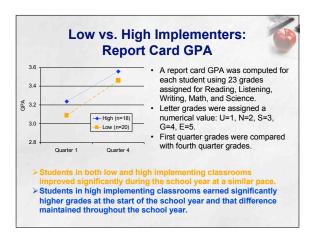












Low vs. High Implementers: **Alternative Explanations**



At the start of the school year, students were systematically enrolled in either high or low implementing classrooms

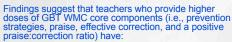
By chance, higher performing students were enrolled in high implementing classrooms, lower performing students were enrolled in low implementing classrooms

Teacher perceptions

Teachers in high implementing classrooms perceive that their students are doing better, focus more on the positive things students do in class, and give them higher grades at the first quarter and throughout the school year

Before training in GBTEM, high implementing teachers were inherently different than low implementing teacher

Conclusions



- · a higher percentage of students who are on-task,
- fewer students who are suspended, and
- students with higher GPAs at the start and end of the school year.

Limitations... this was a retrospective evaluation project, not a prospective experimental design so we cannot rule out alternative explanations for our findings.

Implications

Improve our understanding of low and high implementers.

- Do they differ on:

 - Knowledge of effective classroom management strategies? Willingness to use effective classroom management strategies?
 - Ability to recognize situations in which to use effective classroom management strategies?
- What is the path from low to high implementation?
- How did high implementing teachers perform prior to the intervention?
- Can we identify personal and environmental characteristics that set the stage for high implementation?

Improve our understanding of how to help low implementing teachers implement effective classroom management strategies at a high level.

- Assess low implementers' readiness to change (Prochaska, Norcross, & DiClemente, 1994) and devise strategies based on change stage
- Assess environmental factors associated with teacher implementation, e.g., administrative support and direction
- Test various coaching strategies with low implementers

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Review of Treatment Integrity Literature 1970-1990						
Author	Years	Setting	# Studies	% Op. definit.	% Rx. Integrity	
Gresham, Gansle, & Noell, 1993	1980-90	Experimental studies assessing treatment effects with children	158	34%	16%	
Gresham, Gansle, Noell, Cohen, & Rosenblum, 1993	1980-90	Intervention studies in school settings	181	35%	14%	
Kazdin, Bass, Ayers, & Rodgers, 1990	1970-88	Research on child and adolescent psychotherapy	223	56%	19%	
Moncher & Prinz, 1991	1980-88	Outcome studies in clin. psych., psychiatry, beh. ther., & mar. & fam. therapy	359	32%	18%	
Peterson, Homer, & Wonderlich, 1982	1968-80	Experimental studies	536	>80%	<20%	
Rogers Wiese, 1992	1975-90	Case studies and large group designs, parent effectiveness training	148	77 (c.s.) 45 (grp.)	12 (c.s.) 6 (grp.)	