

Preliminary Evaluation of a School-Based "Medical Home" Model for Children with Emotional and Behavioral Problems

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Presentation Overview

- School-Based Behavioral Health Team Services (SBBH): A Clinical Home for Youth and Their Families
- Preliminary Evaluation Results



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Background

- Surgeon General's *National Action Agenda* for child mental health emphasized for more evidence-based treatments into naturalistic settings (e.g., schools)
- Schools most common point of entry for accessing mental health services
- School setting can address key financial and structural barriers that often prevent children especially those with low SES, from receiving needed services



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Community Care Behavioral Health Organization

- Non-profit Managed Care Organization that manages behavioral health services for members whose health care coverage is sponsored through Medical Assistance
- Members in 35 counties in Pennsylvania
- Website: www.ccbh.com



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SBBH: A Clinical Home for Youth and Families

- Developed by Community Care in partnership with families, county MH/MR, school district, children and youth agency representatives and behavioral health provider agencies
- Medicaid reimbursable service
- Schools provide commitment to partner, faculty time and physical space



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SBBH Team Service

- Licensed Master's prepared clinicians serve as clinical leads
- Work closely with a team of Bachelor's prepared individuals
- Have agency administrative support and clinical consultation available
- Connected to a Community of Practice
- Serve a group of youth and their families



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Community Care - CoP

- Training – Orientation and ongoing
- Coaching – How to implement the model
- Technical assistance – How to implement evidence-based, promising or best practices
- Care management – Client-centered case review and authorization
- Quality review - Program standard monitoring



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Community of Practice (CoP): Training Platform

- Family systems theory and interventions
- Resiliency/recovery principles and supports & trauma informed care
- Positive behavioral interventions and supports
- Identification of co-occurring mental health and substance abuse disorders and needed interventions



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SBBH Implementation

- Number of counties = 6
- Number of schools = 18
- Number of providers = 6
- Number of teams = 13
- SBBH services initiated – 1/09
- 65 children served as of 6/12/09
- 109 children served as of 2/11/10



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Preliminary Evaluation Questions

- What impact do school-based services have on child and family functioning and child internalizing and/or externalizing behavior?
- Child Outcome Survey
 - Assessing domains associated with school, family, and social functioning
 - Improving family empowerment
- Strength and Difficulties Questionnaire
 - Assessing emotional symptoms, conduct problems, hyperactivity-inattention, peer/social interactions



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Preliminary Evaluation Questions

- What impact do school-based services have on academic activities including attendance and grades?
 - Grades
 - Attendance
- What impact do school-based services have on service use and cost?



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Child Outcomes Survey

Family functioning:

Instructions: Please rate your family's experience in the **PAST WEEK** by marking **ONE** response to each item.

Working together in making decisions about how to solve problems?

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Not at all		Mildly		Moderately		Highly		Extremely		

HOW SUCCESSFUL was your family in the following important areas:

Providing support to each other?

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Not at all		Mildly		Moderately		Highly		Extremely		



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Child Outcomes Survey

Child functioning:

Getting along with family?

0 1 2 3 4 5 6 7 8 9 10
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Not at all Mildly Moderately Highly Extremely

Social life and getting along with friends?

0 1 2 3 4 5 6 7 8 9 10
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Not at all Mildly Moderately Highly Extremely

Doing well at school (and/or work if appropriate)?

0 1 2 3 4 5 6 7 8 9 10
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Not at all Mildly Moderately Highly Extremely

Completing household tasks?

0 1 2 3 4 5 6 7 8 9 10
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Not at all Mildly Moderately Highly Extremely

Instructions: Please rate your child's experience in the PAST WEEK by marking ONE response to each item below.

HOW SUCCESSFUL was your child in the following important areas of his/her life:



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Child Outcomes Survey

Session inventory:

I felt understood and respected about what I am trying to accomplish for my child/family.

1 2 3 4 5 6 7 8 9 10
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Not at all Somewhat Very Much

Instructions:

On a scale from 1 to 10, please check ONE box for each item using the description that best fits your experience during YOUR LAST SESSION

We worked on goals that are most important to my child's/family's needs.

1 2 3 4 5 6 7 8 9 10
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Not at all Somewhat Very Much

We established an approach that is best suited for working with my child/family.

1 2 3 4 5 6 7 8 9 10
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Not at all Somewhat Very Much

I am confident that the work we are doing together will help my child/family.

1 2 3 4 5 6 7 8 9 10
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Not at all Somewhat Very Much



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Child Outcomes Survey

Sharing information:

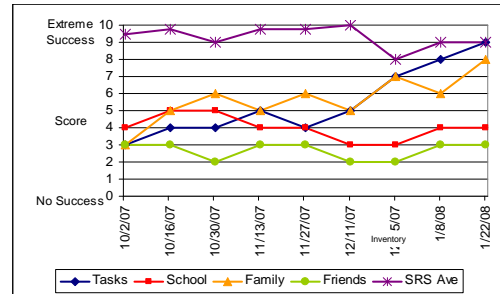
For the item below, please rate the degree to which you discussed the information from your previous survey with your therapist.

0 1 2 3 4 5 6 7 8 9 10
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Not at all Somewhat Very much



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Sample Feedback Report



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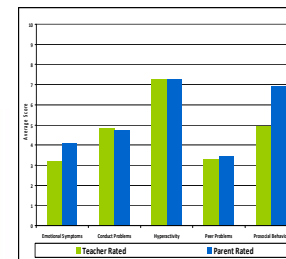
Demographic Characteristics of Children Initiating SBBH Services

- Mean age = 10 years old
- Majority are boys (77%)
- 50% white, 28% Hispanic, 15% African American and 9% Multi-cultural



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Baseline SDQ: Differences in Parent and Teacher Report of Child Behavior

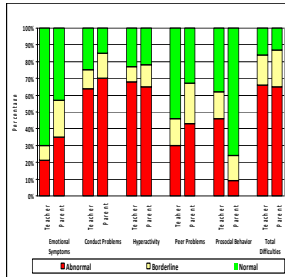


- Parents and teachers report comparable levels of conduct problems, hyperactivity, and peer problems
- Parents report higher levels of emotional symptoms and prosocial behavior



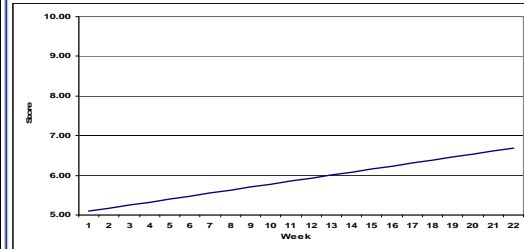
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Baseline SDQ: Differences in Parent and Teacher Report of Child Behavior



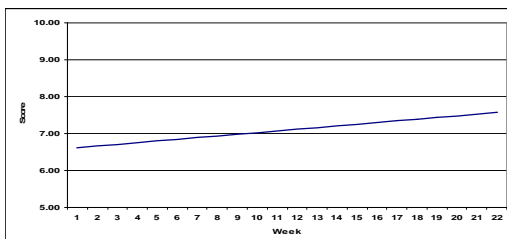
- Parents report higher levels of emotional symptoms and peer problems than do teachers
- Parents report substantially more children with normal prosocial behavior
- Parents and teachers report comparable levels of total difficulties

Child Functioning over Time in SBBH



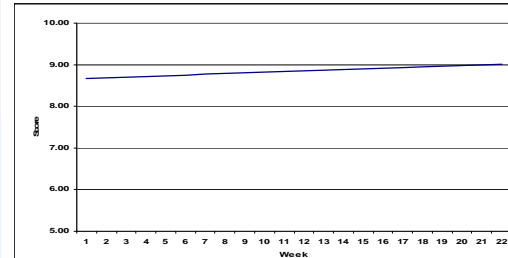
- Trend towards substantial improvement in overall child functioning over time

Family Functioning over Time in SBBH



- Trend towards improved levels of overall family functioning over time

Therapeutic Relationship over time in SBBH



- Parents report a strong therapeutic relationship with SBBH clinical teams over time

Minimal Change Observed in Academic Performance Measures

School Performance Measures	Baseline Period (Sept-Dec 08)	Follow-up Period (Jan-June 09)
Days missed	7.4	8.8
English Average % grade	81.6	82.7
Reading Average % grade	80.0	81.4
Math Average % grade	77.7	78.5

- Slight improvement in English, Reading, and Math Grades

Summary

- SBBH teams are serving a substantial number of diverse students
- Parental report indicates that services are substantially improving child and family functioning

Next Steps

- Assist SBBH teams in implementation of evidence-based clinical practices
- Support the PA PBS Network effort to implement School-wide Positive Behavior Interventions and Supports
- Participation in PBS demonstration project



SBBH Community Care