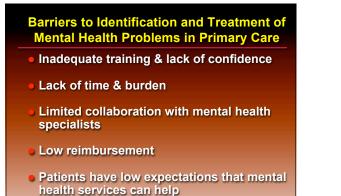


Johns Hopkins School of Public Health

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What Mental Health Treatment Skills Do Primary Care Providers Need

- Skills that can be applied to a broad spectrum of mental disorders or symptoms clusters
- Skills that can address both child and parent mental health problems
- Skills that are adaptable to treatment preferences and culture
- Skills that help identify when disorder specific treatment is warranted
- Skills that build on existing knowledge

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Child Mental Health Concerns		
Training Goal	Specific Skill	
Improve provider feelings of competency	See parallels between medical and mental health diagnosis and treat- ment process; apply knowledge of pediatric development to behavioral advice	
Reduce provider fears of losing control of time	Manage rambling and set priorities	
Demonstrate to family an interest in mental health related topics	Elicit full range of concerns, listen, respond with empathy and interest	

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Engage both child and parent Use techniques from family therapy to promote turn-taking MATHEMATICA

Training Goal	Specific Skill	
Develop acceptable plan for treatment or further diagnosis	Offer choices and ask for feedback; use techniques from motivational interviewing to anticipate & respond to ambivalence & resistance	
Address barriers to treating mental health problems	Ask about readiness to hear provider's assessment and recommendations; use motivational interviewing techniques to ask about barriers	

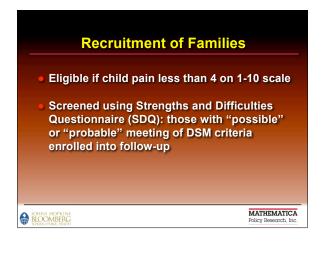
Training Domain 3: Increase Expectations that Treatment will be Helpful **Training Goal** Specific Skill Use techniques from solution-focused cognitive therapy to identify practical goals, first steps, and sources of self-esteem; manage negative affect between parent and child during visit Respond to hopelessness, anger, and frustration MATHEMATICA BLOOMBERG

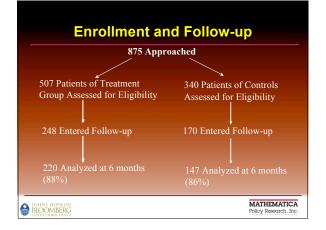
Training Deli	verv
 3 cycles spaced 3 weeks a 	
Structured and active learn	ning
Small group discussion led	d by psychiatrist
 Each cycle immediately fol minute standardized patier 	
 Videotapes of patient visit for self-assessment 	given to provider
• Total of 4 hours of training	

Evaluation Design Cluster randomized clinical trial Compared outcomes of families who visited trained provider versus those who visited control provider Providers randomized within clinic Examined changes in parent emotional distress and child mental health symptoms and impairment for 6 month duration MATHEMATICA BLOOMBERG Policy Resear

Clinics	
 16 in rural New York, suburban and urban Baltimore, and Washington, DC 	
 All served patients with mix of insurance 	
Served children age infant to 18 years	
 None had formal collaborative relationships with mental health specialists 	
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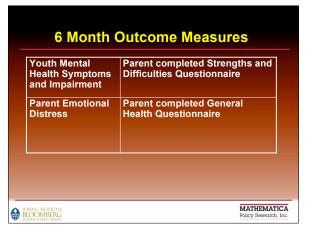
Providers		
Characteristic	Trained = 31	Control = 27
Female	65%	52%
Family practice	35%	41%
Pediatrics	65%	56%
Child behavior training	23%	19%
Child development	10%	4%
> 1 year in study site	84%	85%
Time since receiving degree	13.7 years	15.3 years
Physician Belief Scale		
Burden subscale	17.1	17.1
Belief and feelings subscale	13.6	15.0
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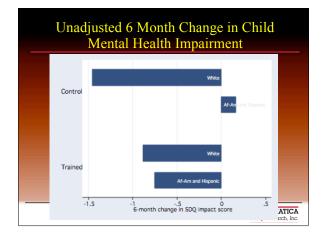


Characteristic	Visited Trained Provider = 248	Visited Control Provider = 170
Female	51%	39%
Age	10.7	9.9
African American	37%	19%
Latino	10%	14%
White	49%	61%
Other	4%	6%
Private health insurance	47%	45%
Mental health services in 6 months before recruitment	47%	52%

Characteristic	Visited Trained Provider = 248	Visited Control Provider = 170
Female	92%	89%
High school graduate	75%	73%
Age	36.8	37.6

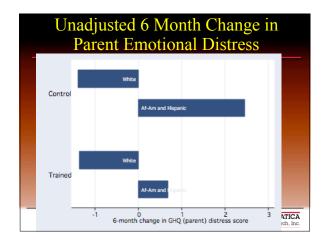


 Multivariate linear regr clustering of patients v controlled for geograp health services, age, g 	vithin provider and hy, use of other mental
 Interaction terms to test training according to p ethnicity 	at differential impact of atient race and

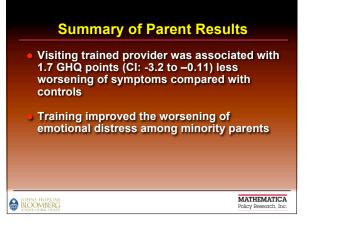


Unadjusted Change in Child Impairment			
Sample	SDQ At Baseline	6 Month Change	
All visited trained	2.4	88	
All visited control	2.2	83	
African American (n = 125)			
Visited trained	2.0		
Visited control	2.3		
Latino (n = 48)			
Visited trained	1.6		
Visited control	.70	.14	
Caucasian (n = 233)			
Visited trained	2.8	89	
Visited control	2.6	-1.5	

Summary of Chi	ild Results
 Minority children visitin had a mean improveme .91 points more (CI: -1.8 Caucasian children 	nt in impairment of
 Training improved impa minority youth but not (
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Sample	GHQ at Enrollment	Change at 6 Months
All visited trained	3.3	41
All visited control	3.2	006
African American (n = 119)		
Visited trained	2.5	
Visited control	2.9	
Latino (n = 48)		
Visited trained	2.2	
Visited control	1.0	2.4
Caucasian (n = 233)		
Visited trained	4.2	-1.2
Visited control	3.8	-1.3



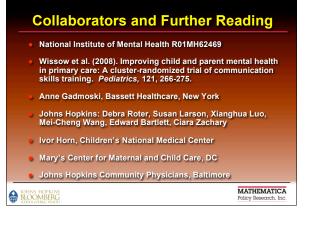


Implications for the System of Care

- Training may provide PCPs with skills that can be used to improve identification and treatment
- May complement disorder specific interventions
- Collaboration with specialists needed
- Similar training may be useful to other treatment settings

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