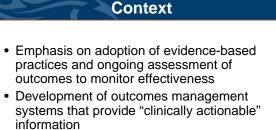
Exploring Relationships Among Child Outcomes in Kentucky's System of Care

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 Examination of outcomes to assess system and provider performance, including fiscal accountability

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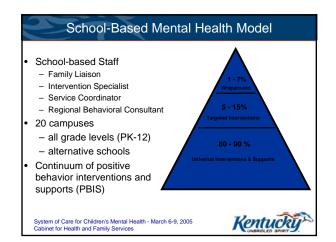
Purpose

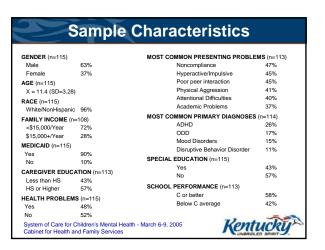
- Ascertain the relationship among commonly used measures in outcomes management systems
- Determine which outcome indicators are most predictive of improvement in functioning
- Understand the relationship among outcomes reported by multiple stakeholders
- Utilized data from two behavioral health programs in Kentucky
 - Bridges Project CMHS-funded system of care site implementing a schoolwide positive behavior support model in Eastern KY
 - IMPACT Plus statewide Medicaid program designed to expand community-based options for children and youth with SED at risk of out of home placement or hospitalization

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Analysis of Bridges Project Data CMHS-funded system of care community (1998) Designed to enhance the existing children's system of care (KYIMPACT) Implemented in 3 rural, Appalachian regions of Eastern Kentucky

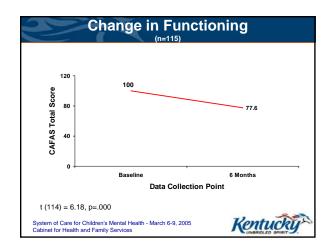




LIFETIME CHILD RISK FACTOR HISTORY (n=113-115	5)	
Previous psychiatric hospitalization	18%	
Physical Abuse	16%	
Sexual Abuse	15%	
Runaway	18%	
Suicide Attempt	10%	
Substance Use	9%	
Sexually Abusive	3%	
LIFETIME FAMILY RISK FACTOR HISTORY (n=110-1	15)	
Domestic Violence	39%	
Mental Illness in Biological Family	61%	
Criminal Conviction	29%	
Substance Abuse in Biological Family	56%	

Instrumentation					
Achenbach (1991)	Symptomology				
Hodges (1990)	Functioning				
Epstein & Sharma (1997)	Strengths				
Brannan, Heflinger, & Bickman (1997)	Caregiver Strain				
	Hodges (1990) Epstein & Sharma (1997) Brannan, Heflinger, &				

Outcome Measure	CAFAS TI	CAFAS T2	CBCL	BERS	CGSQ
1. CAFAS T1	· · ·	.54**	.53**	47**	.49**
2. CAFAS T2		-	.39**	30*	.48**
3. CBCL			-	48**	.52**
4. BERS					36**
5. CGSQ					-
*p<.01 **p<.001		-	-	· · ·	

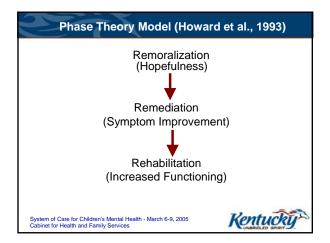


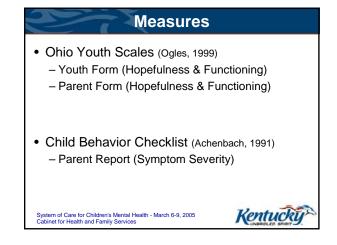
Model		Unstanda Coeffic		Standardized Coefficients		
		В	S.E.	Beta	t	р
1						
•	CAFAS T1	.54	.08	.54	6.89	.00
2	CAFAS T1	.39	.10	.39	4.01	.00
	CGSQ T1	.00	.09	.00	2.83	.00
	CBCL T1	.04	.10	.04	.429	.66
	BERS T1	001	.09	001	016	.98
Note. R ^{2°} ch	² for Model 1 = .29, F(1,113 ange for Model 2 = .06, F(3 Variable: CAFAS T2		12			

Analysis of IMPACT Plus Data Medicaid funded state-wide network implemented in 1997. Designed to enhance the existing system of care (KY IMPACT)

- Adoption of managed care principles in 2000
- Wide range of provider characteristics and service array options

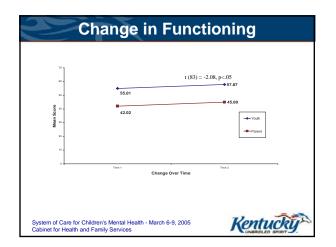
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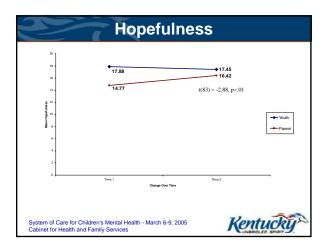




IMPACT Plus	(Sub-Sa	imple)
Medicaid Recipient	Respondents (n =	: 84)
 Severe Emotional Disability 	Sex Male Female Age 12-14 y.o. 15-17 y.o	53.6% 46.4% 59.5% 40.5%
 "Problems" functioning in home, school, and community 	Race Black White Native American Hispanic Asian Other Unknown	05.9% 89.3% 00.0% 00.0% 00.0% 02.4%
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Subscale	1	2	3	2
	Respondents (i	n = 84)		
Total Problem T1	-	19	19	13
Functioning T1		-	.71**	.59**
Hopefulness T1			-	.47**
Functioning T2				
01	· · ·			





		Unstanda		Standardized		
Model		Coefficients		Coefficients		
		в	S.E.	Beta	t	Р
1						
	Functioning T1	.63	.09	.60	6.78	.000
2						
	Functioning T1 Problem Score T1	.55	.13	.53 - 02	4.10 - 17	.000
	Hopefulness T1	02	.00	02	17	.007
	r Model 1 =35, F(1, 82) = .00 hange for Model 2 =36, F(2, 8)	, p < .001		.10	.11	.443
Dependent '	Variable: Functioning T2					

Summary

- Majority of outcome domains were significantly correlated and in the expected direction
- Only Time 1 Functioning and Caregiver Strain were found to be significant predictors of Time 2 Functioning
- Parents and youth differ with respect to their perception of youth status at enrollment and follow-up

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Implications

- Despite significant relationships among the outcome domains, they are different constructs
- Significant predictive value of caregiver strain to improved functioning validates the importance of family support
- Hopefulness may operate differently within the treatment context for youth than adults (Phase Model)

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Future Research Endeavors

- Analyze with larger sample size
- Examine change over a longer period of time
- Assess magnitude of change rather than functional status
- Determine differential patterns of change by subgroups (e.g., level of severity, by diagnoses, by gender)
- Include other factors that may influence change
- Employ additional multivariate analytical techniques

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