

Cost and Service Utilization for Families Enrolled in a Managed Care Wraparound Program

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COORDINATED FAMILY FOCUSED CARE (CFFC) Overview

- Model and Services
- Funding and Oversight
- Goals of CFFC
- Operations To-Date



Study Questions

- What is the relationship between child and family factors, and graduation and withdrawal status?
- What is the relationship between service utilization patterns and costs, and graduation and withdrawal status?
- What is the relationship between costs and length of stay in the program?
- What is the relationship between CAFAS/PECFAS scores and graduation and withdrawal status? With length of stay in the program?

Study Methodology

- Population includes members who have discharged from program – separated by those who have graduated and those who withdrew.
- Demographic and clinical data at time of enrollment.
- CAFAS/PECFAS data at enrollment and discharge.
- Behavioral health costs 3 months prior to program, during program and 3 months after program.
- Inpatient admission rates.

Reasons For Withdrawal

Reason	Count	Percentage
Family Not Interested	28	40%
Child Placed Out of Home	23	33%
Other	19	27%
Family Moved	7	10%
Insurance Changed	4	6%

N = 70

• Percentage does not equal 100% because multiple reasons for withdrawal exist.

Demographics of Study Sample

	Graduated	Withdrawal
Age		<i>n, %</i>
0 - 6 years old	12%	11%
7 - 12 years old	58%	44%
13 - 18 years old	30%	44%
Gender		<i>n, %</i>
F	30%	31%
M	70%	69%
Race and Ethnicity		<i>n, %</i>
African American	16%	9%
Latino	20%	27%
Multi-ethnic	11%	7%
White	24%	17%
Other/Unknown	24%	40%
Primary Caregiver Marital Status		<i>n, %</i>
Unknown	6%	14%
Married	32%	20%
Other	22%	30%
Single	40%	36%
Primary Caregiver Relationship to Child		<i>n, %</i>
adoptive parent	3%	5%
biological parent	72%	75%
foster parent	9%	7%
other	0%	7%
relative	11%	7%

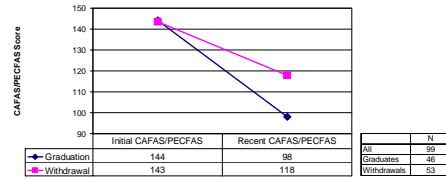
	N	% N
All	120	100
Graduated	50	47
Withdrawal	70	61

Demographics of Study Sample

	Graduated	Withdrawal	
Report of Family History of Mental Illness n.s.			
No	22%	23%	
Yes	78%	77%	
Report of Family History of Substance Abuse n.s.			
No	42%	49%	
Yes	58%	51%	
Language Spoken in Home ** p = .108			
English	85%	72%	
Non-English	15%	28%	

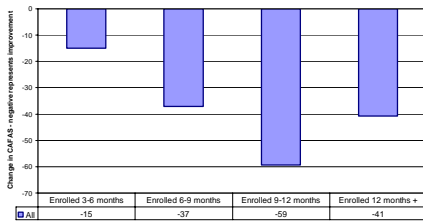
N=120
**N = 108

Change in CAFAS/PECFAS Scores - Graduates and Withdrawals



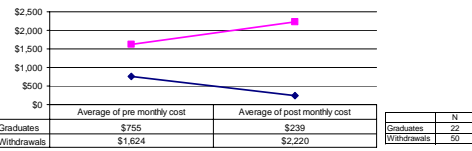
- No difference in CAFAS between groups at enrollment.
- Difference between groups at discharge (p = .012)
- Difference between initial and recent CAFAS – both groups (p = .000)

Change in CAFAS Scores by Length of Stay



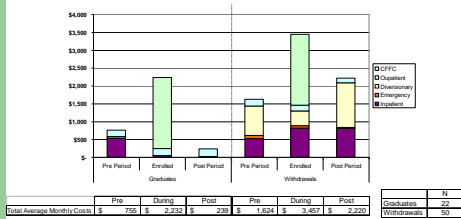
- Difference in change in CAFAS Scores by length of stay for all enrollees was statistically significant (p = .006, N = 98)

Average Costs from Pre to Post for Graduates and Withdrawals



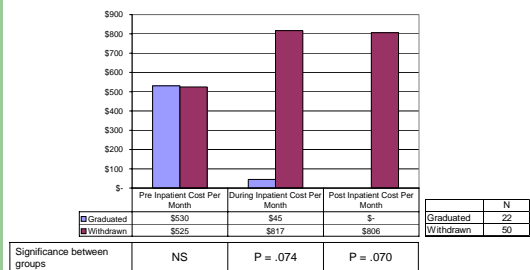
- Significance between groups: NS (for pre), P = .002 (for post)
- Overall cost change from pre to post for both groups is not statistically significant.

Average Monthly Costs by Member by Service Level - Pre During Post - Graduates and Withdrawals

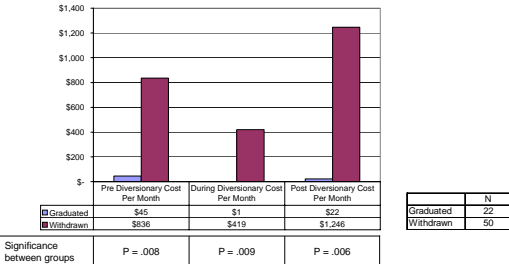


- Pre period between group total cost differences: n.s.
- During program between group total cost differences significant: p = .009
- Post program between group total cost differences significant: p = .002
- Overall cost change from pre to post for both groups is not statistically significant.

Average Monthly Inpatient Costs Per Member



Average Monthly Diversionary Costs Per Member

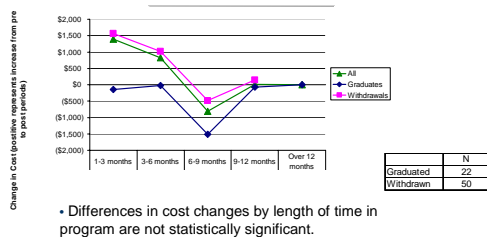


Average Monthly Outpatient Costs Per Member

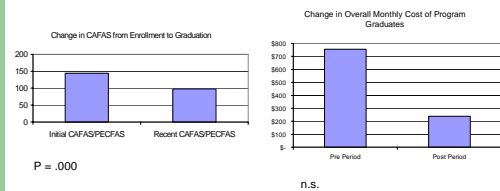


- No statistical significance found in differences between groups.
- Trends represent expected change for graduates.

Change in Average Costs Pre and Post by Length of Stay in Program



Summary of Change for Graduates in Functioning and Costs



Summary of Findings



- Graduates and those who withdraw show improvement in functioning; graduates show more improvement
- Length of time in program has a relationship to improvement in functioning
- Difference in utilization of service levels
 - Inpatient
 - Outpatient
 - Diversionary
- Difference in costs when examined pre and post

Summary of Findings



- Continue to analyze data
 - Data soon available on 400+ enrollees
 - Data on 12 months post program