Investigating the Relationship Between Services and Outcomes in a Program for Transition-Aged Youth

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# **Options** Program

- Partnership for Youth Transition Program in Vancouver, Washington
- Four years of funding from Center for Mental Health Services
- Transition specialists work intensively with small group of youth
- Specialized employment and housing support
- Strong youth voice in designing and running program

# Databases and Measures

- CSM (Creative Socio-Metrics) Management Information System
  - Tracks services by type and hours per youth per day
- ETO (Effort-to-Outcomes)

   Completed by the Transition Specialist at intake and every quarter
  - Asked questions about how MH problems interfered with the youth's functioning
- Asked about school enrollment, graduationJuvenile court data
- Juvenile lifetime arrests

### Engagement and retention

Category	n	%
Did not engage	26	20%
Engaged but did not enter ETO	18	14%
Entered ETO	84	66%
Total referred and contacted	128	100%

Retention		
Data wave completed	n	% retained
3 month	72	86%
6 month	63	75%
9 month	51	61%
12 month	41	49%
15 month	32	28%

### 

- Average age = 16 years
- 59% male
- 92% white
- 61% living with family
- 71% enrolled in high school or GED
- 8% employed at intake
- 39% worked in past 90 days

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# Outcome domains

- Employment
  - Education
  - Housing
- Criminal justice involvement

# domains with	Positive trend	Negative trend
trend	% (n)	% (n)
Four	12 (24%)	1 (2%)
Three	11 (22%)	3 (6%)
Two	12 (24%)	5 (10%)
One	14 (27%)	7 (14%)
None	2 (4%)	35 (68%)

# Juvenile Justice involvement

	9 months pre-intake	9 months post-intake
Any substantiated offense	23 (61%)	11 (29%)
McNemar $\chi^2 = .965, p$	=.008	

	9 months pre-intake	9 months post-intake
No offenses	15 (40%)	27 (71%)
1 offense	9 (24%)	2 (5%)
2 offenses	5 (13%)	7 (18%)
3 to 5 offenses	7 (19%)	1 (3%)
6 or more	2 (6%)	1 (3%)
Mean	1.63	.71

Service ho		• Staff time was spent	
the most youth were		the following services	
Community life adjustment	90.0%	Community life adjustment	33.5%
Employment services	88.3%	Employment services	27.5%
Assessment/intake	86.6%	Case management	9.8%
Wraparound	63.3%	Wraparound	7.1%
Team staffing	55.0%	Assessment/intake	5.8%
Educational support services	50.0%	Educational support services	5.7%
Housing support services	46.6%	Core gift statement	4.1%
Core gift statement	41.6%	Housing support services	3.6%
Case management	33.3%	Team staffing	2.2%
Crisis phone calls	1.6%	Crisis phone calls	0.02%







# Predicting youth change using service hours

- Multiple regression predicting youth functioning 9 months after intake
- · Several models were run
  - looking for preponderance of evidence rather than single significant tests
  - not enough of a sample size to run more complex (but more appropriate) models

Model	Predictor variable	Control variable	Outcome variable
1 Education N=45	Education service hours	Rating of the extent MH problems interfered with school at intake	Nine-month trend in education ar training outcomes R <sup>2</sup> = .01
	$\beta =01$	$\beta =11$	NS
2 Arrests N=55	Total service hours $\beta = .09$	Number of arrests 3 months prior to intake $\beta = .21$	Arrests between intake and 9 months R <sup>2</sup> = .05 NS
3 Employment N=47	Employment service hours $\beta = .42$ p < .005	Severity index at intake $\label{eq:beta} \begin{array}{l} \beta =24 \\ p = .072 \end{array}$	Nine-month trend in employment outcomes $R^2 = .24$ p < .005
4 Overall N=47	Total service hours $\beta = .10$	Severity index at intake $\beta =32$ p < .05	Summary index of nine-month trends over all domains R <sup>2</sup> = .11 NS

# Summary of findings

- Only one model, employment, was significantly predictive of youth functioning
- All of the point estimates (Betas) in all models were in the hypothesized direction, but most were not practically or significantly large.
- This data indicated a weak or no relationship between hours of services and youth functioning when controlling for functioning at intake

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### Limitations

- Studying the relationship between service hours and functioning ("dose-response") may be confounded by other factors
- The youth have multiple, unique needs and possibly multiple, unique trajectories that are difficult to analyze
- These measures of functioning and progress are not standardized and may have significant error variance

### Contact

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