

# Vermont Mental Health Performance Indicator Project

Agency of Human Services, Department of Mental Health  
26 Terrace Street, Montpelier, Vermont 05609

TO: Vermont Mental Health Performance Indicator Project  
Advisory Group and Interested Parties

FROM: John Pandiani and Emma Harrigan

DATE: January 11, 2013

RE: Children and Adolescents with Designated Agency Case Management  
Services Before and After Inpatient Mental Health Services during FY2011

This week's brief report provides information regarding receipt of case management services from Department of Mental Health (DMH) designated agencies (DAs) before and after receipt of inpatient mental health services from the Brattleboro Retreat during FY2011.

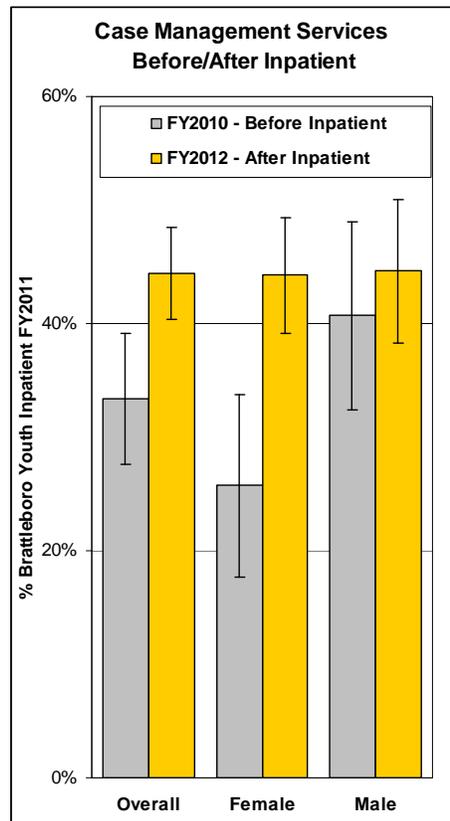
This analysis was conducted in response to a request from Mark Margolis, Senior Clinician at the Howard Center Child, Youth, and Family Services program for information regarding inpatient utilization by children and adolescents with case management services.

Findings reported here are based on analysis of data from two sources. The DMH Monthly Service Report (MSR) dataset provided basic client and service data for all youth served during the study period. Data submitted to DMH by the Brattleboro Retreat provided basic client and service data for all youth with inpatient services during the study period. Because these datasets do not share unique person identifiers, the statistical method of Probabilistic Population Estimation was used to determine the numbers of hospitalized youth who received case management services during the years before and after the year of their hospitalization.

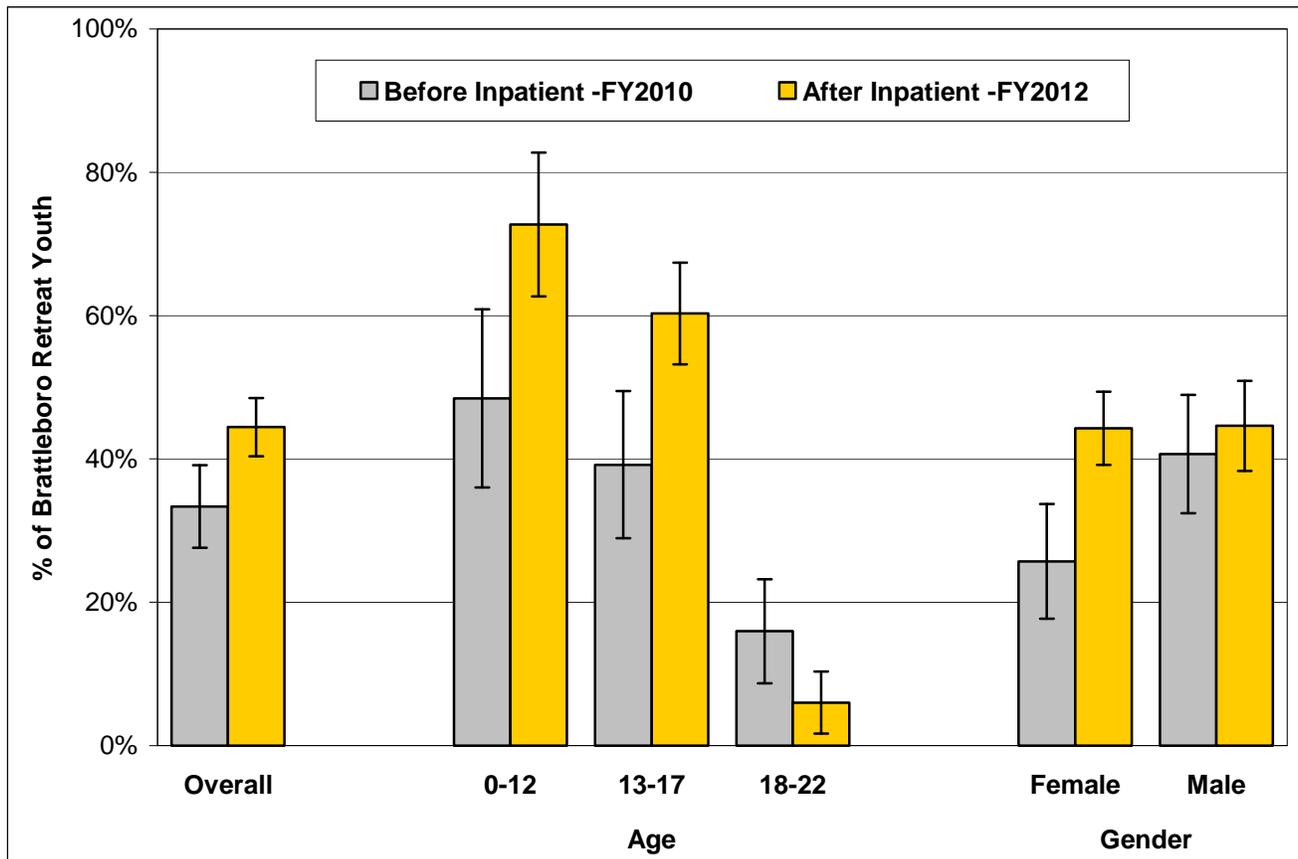
As you will see, one third of all youth with inpatient mental health services had received DA case management services during the year prior to inpatient care and almost half of all youth with inpatient mental health services received DA case management services during the year following inpatient care.

It is interesting to note that male hospitalized youth were much more likely than hospitalized female youth to received case management services before hospitalization (41% vs. 26%, respectively) but there was no substantial difference between the genders in likelihood of receipt of case management services after hospitalization (44.6% vs. 44.3%, respectively).

As always, we look forward to your comments, questions, and suggestions for further analysis of Designated Agency data. You can reach us at [pip@state.vt.us](mailto:pip@state.vt.us) or 802-828-1703.



## Youth with Designated Agency Case Management Services Before and After Brattleboro Retreat Inpatient Services During FY2011



### Case Management Services

	Brattleboro Retreat FY2011	Before Inpatient FY2010		After Inpatient FY2012	
		Number Served	% of Inpatient	Number Served	% of Inpatient
<b>Overall</b>	481 ± 7	161 ± 28	33.4% ± 5.8%	214 ± 19	44.4% ± 4.1%
<b>Age</b>					
<b>0-12</b>	117 ± 3	57 ± 14	48.4% ± 12.4%	85 ± 12	72.7% ± 10.0%
<b>13-17</b>	197 ± 5	77 ± 20	39.2% ± 10.3%	119 ± 14	60.3% ± 7.1%
<b>18-22</b>	167 ± 4	27 ± 12	16.0% ± 7.3%	10 ± 7	6.0% ± 4.3%
<b>Female</b>	235 ± 5	61 ± 19	25.7% ± 8.0%	104 ± 12	44.3% ± 5.1%
<b>Male</b>	246 ± 5	100 ± 20	40.7% ± 8.3%	110 ± 15	44.6% ± 6.3%

Analysis is based on Monthly Service Report (MSR) data submitted to DMH by designated community agencies for clients aged 0-22 years served by Children's Services Programs with case management services for FY2011 and FY2012

Case management services are services for service planning and coordination.

Brattleboro Retreat Inpatient data was submitted by Brattleboro Retreat for FY2011 for clients aged 0-22 years.

Because data sets used in this analysis do not share unique person identifiers, Probabilistic Population Estimation was used to determine caseload size and overlap (with 95% confidence intervals).