

Vermont Mental Health Performance Indicator Project

Agency of Human Services, Department of Health, Department of Mental Health
108 Cherry Street, Burlington, Vermont 05401

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

FROM: John Pandiani and Brennan Martin

DATE: March 6, 2009

RE: State Hospital and Designated Hospital Caseload by CMHC Status
REVISED 03/09/09

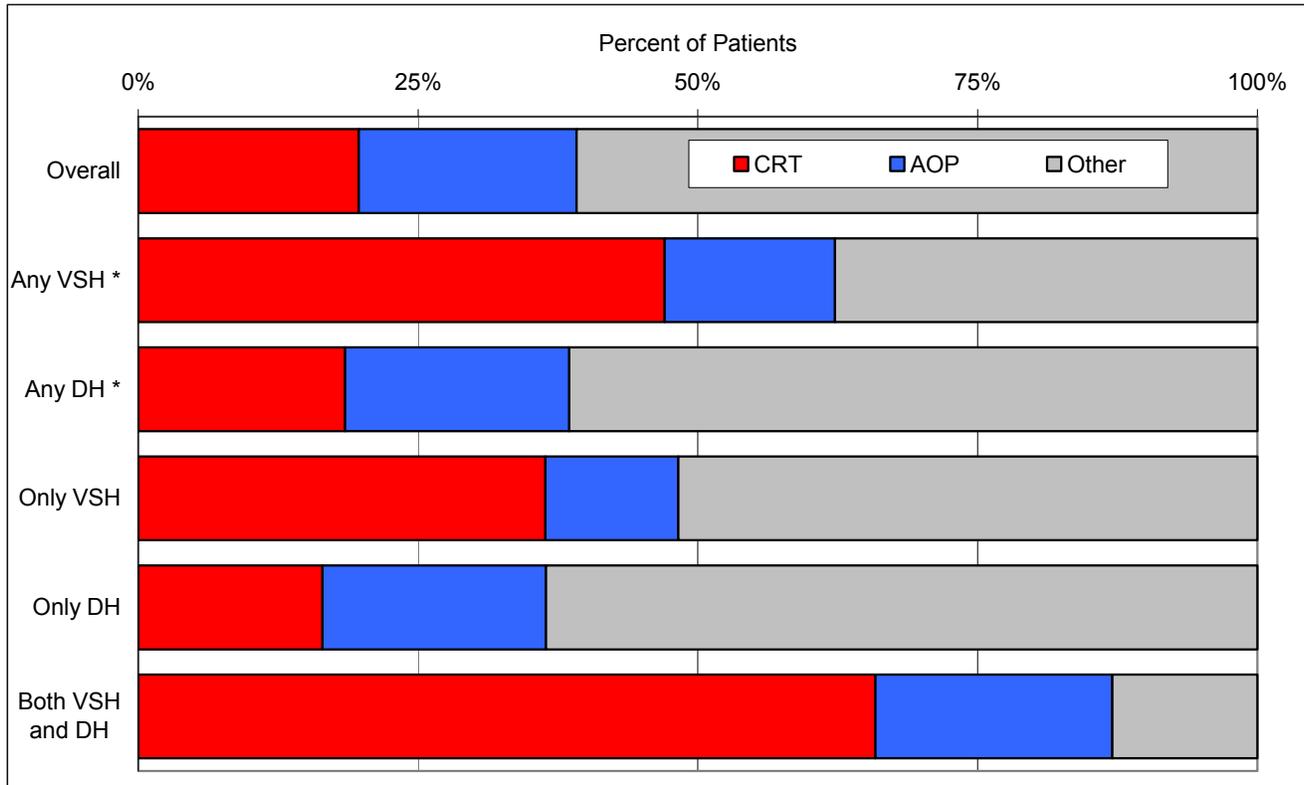
The attached graph and table provide an overview of the utilization of the Vermont State Hospital (VSH) and Department of Mental Health Designated Hospitals (DH) by three groups of patients: patients who are on the caseload of community mental health Community Rehabilitation and Treatment (CRT) programs for adults with serious mental illness during CY2007, patients who are on the caseload of community mental health Adult Outpatient Programs (AOP) for adults who are experiencing emotional, behavioral, or adjustment problems severe enough to warrant professional attention during CY2007, and patients who are not on the caseload of a community mental health program during CY2007 (non-CMHC patients). This report was prepared in response to a request from Richard Lanza, CRT Program director at Vermont's Lamoille County Mental Health Services.

This report is based on analysis of anonymous extracts from three databases: a database of all episodes of care in VSH that is maintained by that institution, a database of all episodes of inpatient behavioral health in all Vermont Hospitals maintained by the Vermont Department of Health, and the Monthly Service Reports database of all community mental health service recipients during the study period. Because these data sets do not share unique person identifiers, Probabilistic Population Estimation was used to determine the unduplicated number of people represented in each data set and the unduplicated number of people shared by the community mental health and inpatient databases.

As you will see, non-CMHC clients were the largest group (61%) of individuals with inpatient behavioral health care in VSH or a DH during CY2007. CRT and AOP clients accounted for 20% and 19% respectively of individuals with inpatient behavioral health care in VSH or a DH during CY2007. Rates of hospitalization in designated hospitals were very similar (61%, 18% and 20% respectively). VSH utilization rates were substantially different, with CRT clients accounting for almost half (47%) of all patients, followed by non-CMHC patients (38% of all VSH patients), and AOP clients (15% of all VSH patients). The difference among patient groups was greatest for those who were hospitalized in both VSH and a DH during CY2007, with CRT clients accounting for 66% of the people hospitalized in both types of hospital, followed by AOP clients (21%) and non-CMHC patients (13%).

We look forward to your questions and comments about these findings, and your suggestions for further analyses of data regarding involuntary inpatient treatment in Vermont. As always, we can be reached at 802.863.7249 or pip@vdh.state.vt.us

**Behavioral Health Care at Vermont State Hospital and Designated Hospitals
By CRT Clients, AOP Clients, and Other Adult Vermont Residents
During CY2007**



People with Inpatient Care

Location of Inpatient Care	Total #	CRT		AOP		Other Residents	
		#	% of Total	#	% of Total	#	% of Total
Overall	2,454 ± 84	483 ± 35	20% ± 2%	478 ± 48	19% ± 2%	1,493 ± 63	61% ± 3%
Any VSH **	260	122 ± 16	47% ± 6%	40 ± 22	15% ± 9%	98 ± 29	38% ± 11%
Any Designated Hospital *	2,288 ± 84	423 ± 34	18% ± 2%	458 ± 47	20% ± 2%	1,407 ± 61	61% ± 3%
Only VSH	166 ± 24	60 ± 10	36% ± 8%	20 ± 13	12% ± 8%	86 ± 18	52% ± 13%
Only Designated Hospital	2,194 ± 78	361 ± 32	16% ± 2%	438 ± 43	20% ± 2%	1,395 ± 57	64% ± 3%
Both VSH and Designated Hospital	94 ± 31	62 ± 12	66% ± 26%	20 ± 18	21% ± 20%	12 ± 23	13% ± 25%

* Includes all patients who were served by that hospital type, including those who were also served by the other type in CY2007.

** The total number of people served by the VSH is the count of unique people in the VSH database. However, since the number of patients who are also enrolled in CRT or AOP are estimates, the resulting utilization rate does not necessarily add up to 100%.

Information is derived from anonymous extracts from the Vermont State Hospital, the Brattleboro Retreat, the Vermont Uniform Hospital Discharge Data Set maintained by the Vermont Health Department, and the Monthly Service Report (MSR) data submitted to the Vermont Department of Mental Health by the designated agencies. Behavioral health care includes inpatient episodes with major diagnostic categories of mental illness or substance abuse. Designated Hospitals include Fletcher Allen, Central Vermont, Rutland Regional, Windham Center, and the Brattleboro Retreat.

CRT clients include adults with SMI served by designated Community Rehabilitation and Treatment programs during CY2007. AOP clients include adults without prolonged serious disabilities who received professional attention at designated agencies during CY2007 for emotional, behavioral, or adjustment problems.

The data extracts used did not share unique client identifiers across service providers. For this reason, Probabilistic Population Estimation has been used to provide unduplicated counts of people served.