

Vermont Mental Health Performance Indicator Project

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

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

FROM: John Pandiani and Emma Harrigan

DATE: December 28, 2012

RE: Inpatient Mental Health/Substance Abuse Service Utilization
By DMH Designated Agency Service Recipients and Others 2008-2011

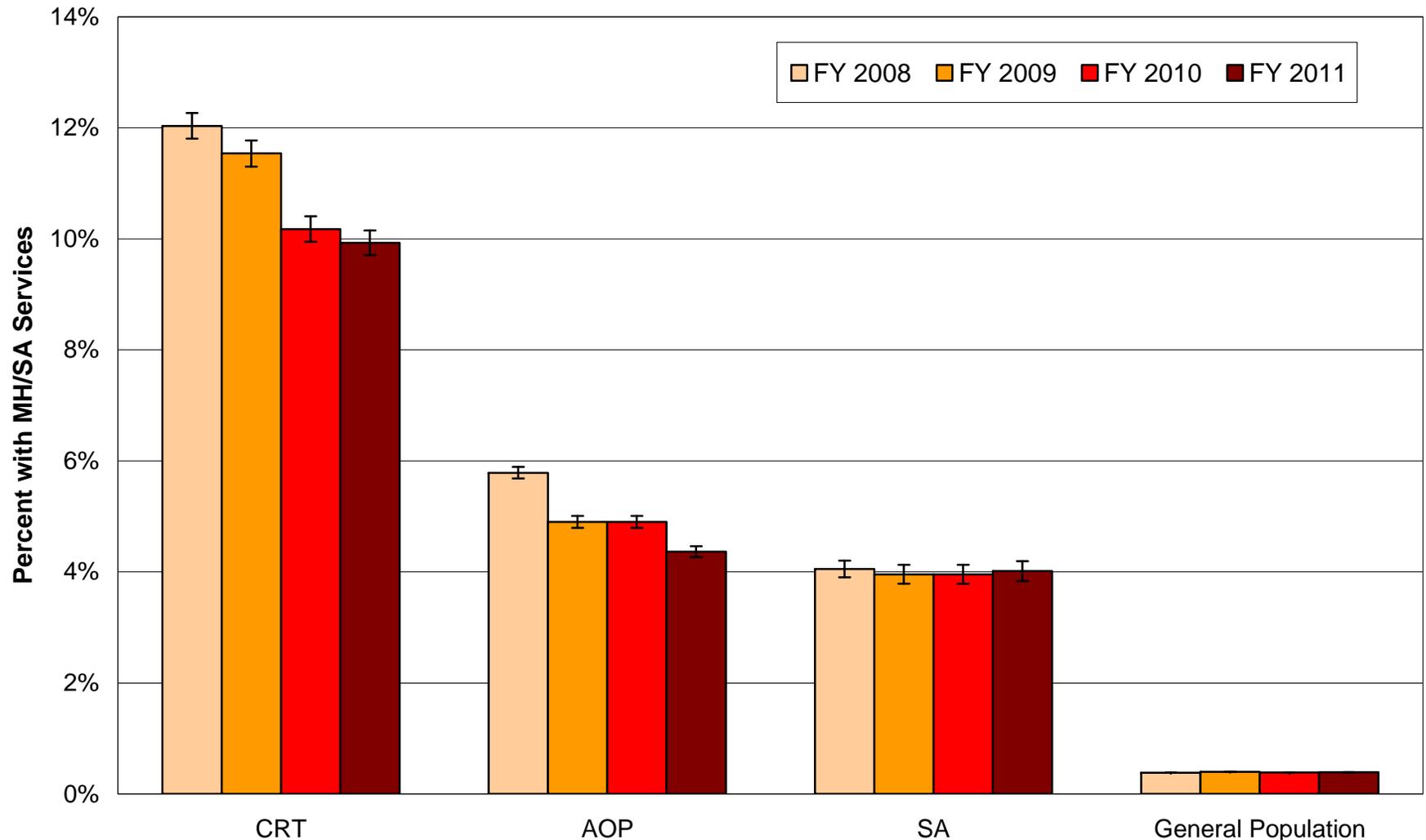
This week's brief report provides information regarding the utilization proportion of individuals served by each or three DMH designated community agency programs. These include Community Rehabilitation and Treatment (CRT) programs serving adults with serious and persistent mental illness; Adult mental health outpatient (AOP) programs serving adults who are experiencing emotional, behavioral, or adjustment problems that warrant professional attention; Substance Abuse (SA) programs; and the proportion of all Vermont residents who received inpatient mental health and/or substance abuse services during fiscal years 2008, 2009, 2010, and 2011. This analysis was originally conducted as part of DMH's response to a broad request for information from the Vermont State Legislature.

This report is based on analysis of data from the Vermont Department of Health Uniform Hospital Discharge Data Set, in conjunction with data from the DMH Monthly Service Report (MSR) database. Because these data sets do not share unique person identifiers, the statistical method of Probabilistic Population Estimation was used to determine the numbers of unique individuals represented in and shared by the these data sets. General population estimates are based on a comparison of the numbers of individuals with inpatient behavior health services to the total adult population of Vermont.

As you will see, CRT service recipients were the most likely to receive inpatient behavior health services throughout the study period, followed by AOP service recipients and Substance abuse service recipients, with the rate of inpatient utilization for the general population only a small fraction of the rate of inpatient behavior for the general population of Vermont.

We look forward to your questions, comments, and suggestions for further analyses. As always, we can be reached at pip@state.vt.us or 802-828-1703.

Inpatient Utilization for Mental Health/Substance Abuse Services



Analysis based on the Uniform Hospital Discharge Dataset maintained by the VT Department of Health and Monthly Service Report data maintained by the VT Department of Mental Health. Includes adult (age 18 and over) Vermont residents with inpatient admissions for psychological health or substance abuse conditions in Vermont hospitals during FY2008-2011 and includes adult Designated Agency clients served during FY2008-2011. Adult general population rates based on 2008-2011 Vermont Department of Health Estimates. Because data sets used in this analysis do not share unique person identifiers, Probabilistic Population Estimation was used to measure caseload size and overlap (with 95% confidence intervals).

Designated Agency Clients with Inpatient Utilization for Psychological Health or Substance Abuse Conditions FY2008 - FY2011

Primary Program	FY2008			FY2009			FY2010			FY2011		
	<u>Undup. Population</u>	with Inpatient Utilization		<u>Undup. Population</u>	with Inpatient Utilization		<u>Undup. Population</u>	with Inpatient Utilization		<u>Undup. Population</u>	with Inpatient Utilization	
		#	%		#	%		#	%		#	%
CRT	3,045 ± 10	367 ± 7	12% ± 0.2%	3,041 ± 10	351 ± 7	12% ± 0.2%	2,942 ± 9	299 ± 7	10% ± 0.2%	2,895 ± 9	287 ± 6	10% ± 0.2%
SA	4,092 ± 14	166 ± 6	4% ± 0.1%	4,656 ± 17	184 ± 8	4% ± 0.2%	4,656 ± 17	184 ± 8	4% ± 0.2%	4,727 ± 18	190 ± 9	4% ± 0.2%
AOP	6,369 ± 16	369 ± 7	6% ± 0.1%	6,539 ± 17	320 ± 7	5% ± 0.1%	6,539 ± 17	320 ± 7	5% ± 0.1%	6,328 ± 16	276 ± 6	4% ± 0.1%
General Population	492,340	1,880 ± 6	0.4% ± 0.0%	495,485	1,976 ± 7	0.4% ± 0.0%	496,508	1,917 ± 7	0.4% ± 0.0%	500,413	1,948 ± 7	0.4% ± 0.0%

Analysis conducted by Vermont Department of Mental Health Research & Statistics Unit.

Analysis based on the Uniform Hospital Discharge Dataset maintained by the VT Department of Health and Monthly Service Report data maintained by the VT Department of Mental Health. Includes adult (age 18 and over) Vermont residents with inpatient admissions for psychological health or substance abuse conditions in Vermont hospitals during FY2008-2011 and includes adult Designated Agency clients served during FY2008-2011. Adult general population rates based on 2008-2011 Vermont Department of Health Estimates. Because data sets used in this analysis do not share unique person identifiers, Probabilistic Population Estimation was used to measure caseload size and overlap (with 95% confidence intervals).

For more information, contact John Pandiani at 802-828-1703 or john.pandiani@state.vt.us.