

Vermont Mental Health Performance Indicator Project

Agency of Human Services, Department of Mental Health
103 South Main Street, Waterbury, Vermont 05671

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

FROM: John Pandiani and Walter Ochs

DATE: August 13, 2010

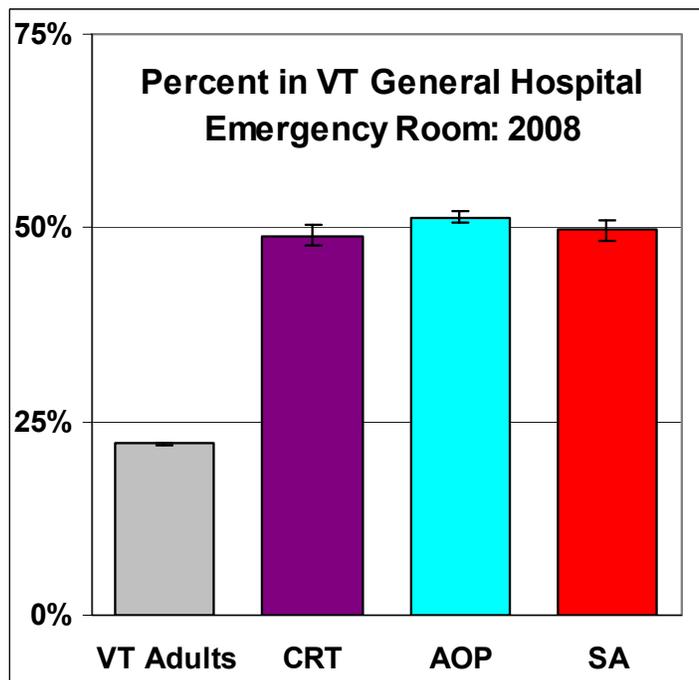
RE: CY2008 VT Hospital Emergency Room Utilization by CMH Clients

This week's brief report continues our series on hospital emergency service utilization by community mental health (CMH) service recipients. Specifically, this report provides Vermont General Hospital emergency service utilization rates for three community mental health and substance abuse programs: Adult Mental Health Outpatient Programs (AOP), Substance Abuse (SA) Programs, and Community Rehabilitation Treatment (CRT) Programs during CY2008.

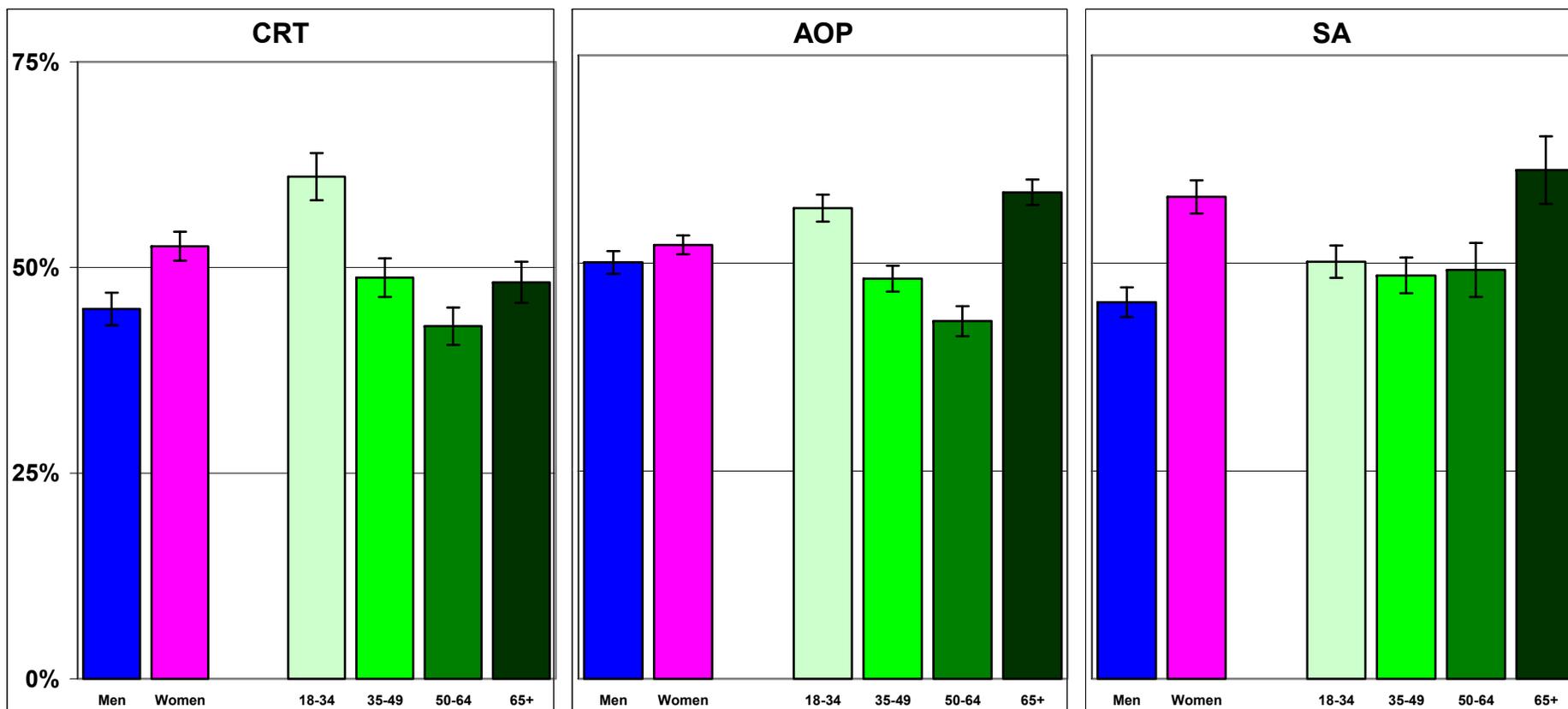
Analysis is based on anonymous extracts from two data sets. The Vermont Uniform Hospital Discharge Data Set provides the birth date, gender, and county of residence of all individuals with emergency visits to Vermont general hospitals during CY2008. The Vermont Department of Mental Health Monthly Service Report (MSR) dataset provides the birth date, gender and county of residence of all individuals assigned to each of the three community mental health treatment programs during CY2008. Because these data sets do not share unique person identifiers, Probabilistic Population Estimation (PPE) was used to determine the unduplicated number of people shared by the two data sets.

As you will see, about one half of all adults in each of the three CMH service programs had at least one emergency visit during CY2008. This is more than twice the emergency room utilization rate for the Vermont adult general population (22%). CRT and SA women were more likely than men to have emergency visits, but there were only marginal differences among women and men in AOP. People in the youngest and oldest age groups were the most likely have emergency visits in AOP programs and in the general population, but not in other programs.

We look forward to your questions, comments, interpretation of these findings, and requests for further analyses. As always, we can be reached at pip@ahs.state.vt.us or 802-241-4049.



Vermont General Hospital Emergency Room Utilization by Community Mental Health Clients by Program, Gender, and Age During CY2008



This report is based on analysis of the Vermont Uniform Hospital Discharge Data Set maintained by the Vermont Department of Health, and Monthly Service Report MSR data submitted to the Vermont Department of Mental Health by the designated agencies. CRT Clients include individuals with a program assignment of Community Rehabilitation and Treatment. AOP clients include individuals with a program assignment of Adult MH Outpatient. SA Clients include individuals with a program assignment of Substance Abuse treatment. Analysis includes adults aged 18 and over. The numbers of VT General Population adults are based on the Vermont Department of Health population estimates for 2008.

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).

Vermont General Hospital Emergency Room Utilization by Community Mental Health Clients and Other Vermont Adults by Program, Gender, and Age During CY2008

	Overall	Gender		Age			
		Men	Women	18-34	35-49	50-64	65+
VT Adults							
#	492,340	239,559	252,781	132,506	136,488	136,697	86,649
% with ER	22% ±0.1%	22% ±0.1%	23% ±0.1%	27% ±0.1%	20% ±0.1%	16% ±0.1%	27% ±0.1%
CRT							
#	3,014 ±9	1,426 ±7	1,588 ±7	572 ±4	1,104 ±6	1,059 ±6	279 ±2
% with ER	49% ±1%	45% ±2%	53% ±2%	61% ±3%	49% ±2%	43% ±2%	48% ±2%
AOP							
#	6,252 ±16	2,296 ±9	3,956 ±13	2,245 ±10	2,024 ±10	1,232 ±6	751 ±4
% with ER	51% ±1%	50% ±1%	52% ±1%	57% ±2%	48% ±2%	43% ±2%	59% ±2%
SA							
#	4,061 ±15	2,665 ±13	1,397 ±7	2,337 ±12	1,276 ±7	411 ±3	37 ±1
% with ER	50% ±1%	45% ±2%	58% ±2%	50% ±2%	49% ±2%	49% ±3%	61% ±4%

This report is based on analysis of the Vermont Uniform Hospital Discharge Data Set maintained by the Vermont Department of Health, and Monthly Service Report MSR data submitted to the Vermont Department of Mental Health by the designated agencies. CRT Clients include individuals with a program assignment of Community Rehabilitation and Treatment. AOP clients include individuals with a program assignment of Adult MH Outpatient. SA Clients include individuals with a program assignment of Substance Abuse treatment. Analysis includes adults aged 18 and over. The numbers of VT General Population adults are based on the Vermont Department of Health population estimates for 2008.

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