

**Vermont Mental Health Performance Indicator Project**  
Agency of Human Services, Department of Health, Division of Mental Health  
108 Cherry Street, Burlington, Vermont 05402

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

FROM: John Pandiani and Joan Mongeon

DATE: August 25, 2006

RE: CRT Patient Residence and Hospital Location

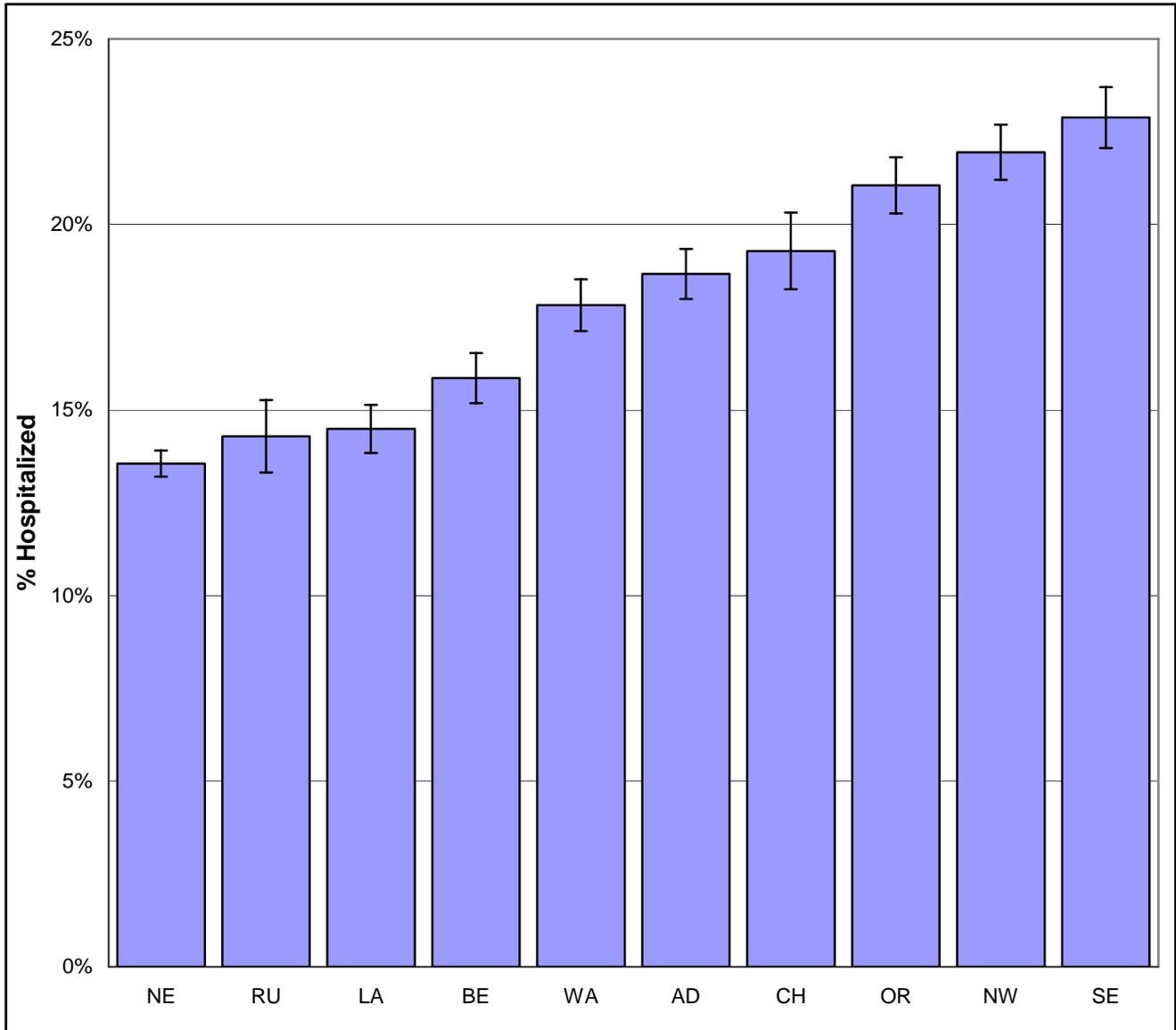
This week's PIP examines the rate and location at which adults who received services from Vermont's CRT programs for adults with serious mental illness were hospitalized for mental health treatment during CY2004. This report was prepared in response to a request from Michael Hartman (CRT Director at WCMH) following our June 30 PIP report on overall patient residence and location of psychiatric hospitalization (<http://healthvermont.gov/mh/docs/pips/2006/pip063006.pdf>). This analysis focuses on episodes of inpatient mental health services provided by hospitals in Vermont and New Hampshire. For a more detailed description of the data sources and analysis, please refer to our June 2, 2006 report on Inpatient Behavioral Health Utilization during 2004 (<http://healthvermont.gov/mh/docs/pips/2006/pip060206.pdf>).

As you will see, 18% of all CRT clients received inpatient mental health services during 2004. Hospitalization rates for CRT clients ranged from 14% in Lamoille County, Rutland County, and Northeastern Vermont to more than 20% in Orange County, Southeast Vermont, and Northwest Vermont.

In terms of individual hospitals, more CRT clients received inpatient mental health services at Fletcher Allen Health care (197 individuals) than at any other hospital, followed by Central Vermont (114 individuals) and the Vermont State Hospital (108 individuals). Rutland Regional Medical Center provided inpatient mental health services to 90 individuals, Springfield 87, and the Brattleboro retreat and Dartmouth Hitchcock hospitalized 74 individuals each. Other inpatient facilities in Vermont and New Hampshire provided inpatient mental health care to only 11 CRT clients. The sum of individuals hospitalized at each hospital is greater than the statewide total number of individuals hospitalized because some individuals were hospitalized at more than one facility during the year.

We look forward to your interpretations of these findings and your suggestions for future analysis of this very rich data set to [pip@vdh.state.vt.us](mailto:pip@vdh.state.vt.us) or call 802-863-7249.

**CRT Clients Served in CY2004  
With Inpatient Mental Health Hospitalization During the Same Year  
By Region of Residence**



**Region of Residence**

NE	Northeast Region	AD	Addison County
RU	Rutland County	CH	Chittenden County
LA	Lamoille County	OR	Orange County
BE	Bennington County	NW	Northwest Region
WA	Washington County	SE	Southeast Region

Northeast Region includes Caledonia, Essex and Orleans counties. Northwest Region includes Franklin and Grand Isle counties. Southeast Region includes Windham and Windsor counties.

Analysis is based on anonymous data extracts from numerous sources; the hospital discharge data set maintained by the Vermont Department of Health, the monthly service data provided by community mental health centers, and database extracts provided by the Brattleboro Retreat and the Vermont State Hospital. Because these data sets do not share unique client identifiers Probabilistic Population Estimation has been used to provide unduplicated counts of people served (with 95% confidence intervals).

**CRT Clients Served in CY2004  
With Inpatient Mental Health Hospitalization During the Same Year  
By Region of Residence**

Overall Hospitalization Rate by Region			
Residence	CRT Clients CY2004	Inpatient MH Hospitalization	
Region	#	#	%
Northeast Region	435 ± 3	59 ± 1	14% ± 0%
Rutland County	316 ± 3	45 ± 3	14% ± 1%
Lamoille County	118 ± 1	17 ± 1	14% ± 1%
Bennington County	189 ± 2	30 ± 1	16% ± 1%
Washington County	478 ± 4	85 ± 3	18% ± 1%
Addison County	177 ± 2	33 ± 1	19% ± 1%
Chittenden County	686 ± 6	132 ± 7	19% ± 1%
Orange County	157 ± 2	33 ± 1	21% ± 1%
Northwest Region	241 ± 2	53 ± 2	22% ± 1%
Southeast Region	447 ± 3	102 ± 4	23% ± 1%
Total	3,244 ± 10	590 ± 10	18% ± 0%

Number Hospitalized by Region and Hospital							
Residence	VSH	FAHC	Rutland	CVMH	Brattleboro Retreat	Springfield	Dartmouth
Region	#	#	#	#	#	#	#
Northeast	11 ± 0	14 ± 1	2 ± 0	17 ± 0	8 ± 0	6 ± 0	11 ± 0
Rutland	3 ± 0	2 ± 0	39 ± 3		6 ± 0	2 ± 0	1 ± 0
Lamoille	3 ± 0	7 ± 0	2 ± 0	8 ± 0	4 ± 0		2 ± 0
Bennington	7 ± 0	1 ± 0	9 ± 0		14 ± 1	8 ± 1	1 ± 0
Washington	17 ± 1	12 ± 1	6 ± 0	58 ± 3	4 ± 0	4 ± 0	5 ± 0
Addison	7 ± 0	20 ± 1	8 ± 0	4 ± 0		3 ± 0	
Chittenden	40 ± 1	104 ± 6	7 ± 0	1 ± 0	10 ± 1	3 ± 0	
Orange	2 ± 0		2 ± 0	13 ± 1	3 ± 0		21 ± 1
Northwest	9 ± 0	34 ± 1	5 ± 0	4 ± 0	6 ± 0	3 ± 0	
Southeast	9 ± 0	3 ± 0	10 ± 0	9 ± 0	19 ± 1	58 ± 2	33 ± 2
Total	108 ± 2	197 ± 6	90 ± 3	114 ± 3	74 ± 2	87 ± 2	74 ± 2

Northeast Region includes Caledonia, Essex and Orleans counties. Northwest Region includes Franklin and Grand Isle counties. Southeast Region includes Windham and Windsor counties. Because only 11 CRT clients were served in other VT and NH hospitals, these other hospitals were not included in this analysis.

Analysis is based on anonymous data extracts from numerous sources; the hospital discharge data set maintained by the Vermont Department of Health, the monthly service data provided by community mental health centers, and database extracts provided by the Brattleboro Retreat and the Vermont State Hospital. Because these data sets do not share unique client identifiers Probabilistic Population Estimation has been used to provide unduplicated counts of people served (with 95% confidence intervals).