

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: June 24, 2011

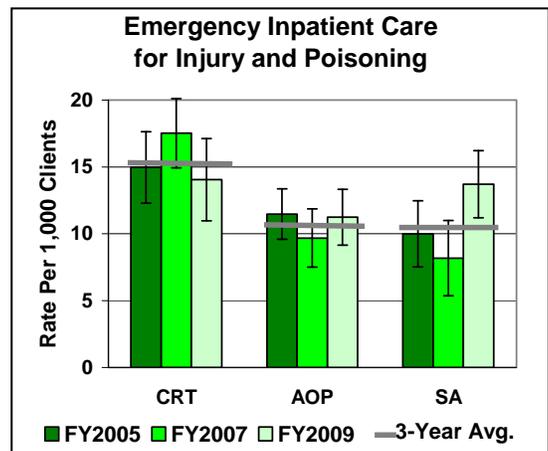
RE: Adults with Emergency Inpatient Injury Services by Program

This week's brief report complements our June 10, 2011 overview of "Adults with Emergency Inpatient Services for Injury"¹ by providing information for adults served by three adult treatment programs: Community Rehabilitation and Treatment (CRT) programs for adults with serious mental illness, Adult Mental Health Outpatient (AOP) programs for individuals who are experiencing emotional, behavior, or adjustment problems severe enough to warrant professional attention, and Substance Abuse (SA) programs. This report, which provides information regarding the rate at which service recipients in each program received emergency inpatient services for injury, poisoning, or toxic effects of drugs during each of three recent years, was conducted in response to requests from Frank Reed (Director of Mental Health Services, Vermont Department of Mental Health) and Michael Hartman (Program Director, Chronic Care Initiative, APS Healthcare).

As in the previous report, anonymous extracts from two data sets were used in this analysis. The Vermont Uniform Hospital Discharge Data Set, provided the date of birth and gender of all individuals with emergency inpatient care classified as injury, poisoning, or toxic effects of drugs (MDC 21). The Vermont Department of Mental Health (DMH) Monthly Service Report data set, provided the date of birth and gender of all individuals served by VT Designated Agencies (DA). 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. The proportion of service recipients from each of the three programs who received emergency inpatient services is provided for FY2005, 2007, 2009, and as a three year average.

As you will see, utilization of emergency inpatient services by CRT service recipients, averaged more than 15 per 1,000 clients served, substantially greater than either AOP or SA service recipients (each averaging less than 11 per 1,000 clients served). Women were substantially more likely than men to receive emergency inpatient care for injury, poisoning, or drug effects in both CRT and SA programs, but in AOP programs, men were substantially more likely than women to receive emergency inpatient care for injury, poisoning, or drug effects.

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



¹ http://mentalhealth.vermont.gov/sites/dmh/files/pip/DMH-PIP_June_10_2011.pdf

Emergency Inpatient Care for Injury and Poisoning VT Adult Designated Agency Clients by Program: FY05, FY07 & FY09

	DA Clients 2005			DA Clients 2007			DA Clients 2009			3-year average per 1,000
	Total #	with Inpatient # per 1,000		Total #	with Inpatient # per 1,000		Total #	with Inpatient # per 1,000		
Community Rehabilitation and Treatment										
Overall	3,101 ± 24	46 ± 8	15.0 ± 2.7	3,065 ± 24	54 ± 8	17.5 ± 2.6	3,020 ± 24	42 ± 9	14.0 ± 3.1	15.5 ± 1.6
Male	1,441 ± 16	15 ± 5	10.5 ± 3.2	1,445 ± 16	15 ± 5	10.4 ± 3.2	1,442 ± 16	16 ± 6	11.4 ± 4.1	10.7 ± 2.0
Female	1,661 ± 18	31 ± 7	18.9 ± 4.2	1,620 ± 18	39 ± 6	23.9 ± 4.0	1,578 ± 18	26 ± 7	16.4 ± 4.5	19.7 ± 2.4
Adult Mental Health Outpatient										
Overall	6,747 ± 50	77 ± 13	11.5 ± 1.9	6,274 ± 45	61 ± 14	9.7 ± 2.2	6,385 ± 47	72 ± 13	11.2 ± 2.1	10.8 ± 1.2
Male	2,609 ± 27	26 ± 7	9.8 ± 2.6	2,409 ± 25	38 ± 8	15.6 ± 3.2	2,369 ± 24	31 ± 7	13.2 ± 3.1	12.9 ± 1.7
Female	4,138 ± 42	52 ± 11	12.5 ± 2.6	3,865 ± 38	23 ± 11	6.0 ± 2.9	4,015 ± 41	40 ± 11	10.1 ± 2.8	9.5 ± 1.6
Substance Abuse Treatment										
Overall	4,079 ± 40	41 ± 10	10.0 ± 2.5	4,136 ± 39	34 ± 12	8.2 ± 2.8	4,253 ± 40	58 ± 11	13.7 ± 2.5	10.6 ± 1.5
Male	2,738 ± 36	24 ± 8	8.9 ± 3.1	2,739 ± 35	19 ± 10	6.9 ± 3.5	2,796 ± 35	24 ± 8	8.5 ± 2.9	8.1 ± 1.8
Female	1,341 ± 18	16 ± 6	12.2 ± 4.2	1,397 ± 18	15 ± 7	10.7 ± 4.7	1,457 ± 19	34 ± 7	23.6 ± 4.8	15.5 ± 2.6

Based on analysis of the Uniform Hospital Discharge Data Set maintained by the VT Department of Health and Monthly Service Record data maintained by the VT Department of Mental Health for FY2005, FY2007, and FY2009. Inpatient includes Vermont residents with emergency inpatient services for injury and poisoning (MDC 21) in Vermont and New Hampshire general hospitals. Designated agency (DA) clients include community mental health and substance abuse service recipients with a program assignment of Community Rehabilitation and Treatment, Adult MH Outpatient, and Substance Abuse. Includes adults age 18 and over during each year. 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).