

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 10, 2011

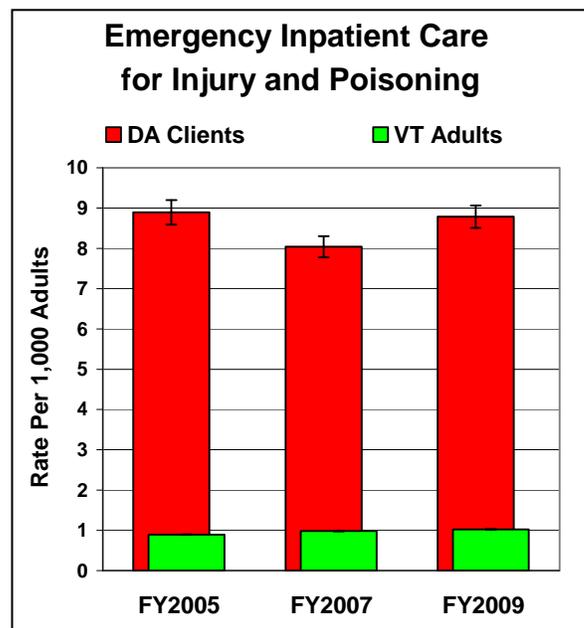
RE: Adults with Emergency Inpatient Services for Injury

This week's brief report continues our series on health care utilization by providing information regarding the rate at which adult mental health and substance abuse service recipients, and other adult Vermont residents received emergency inpatient services for injury, poisoning, or toxic effects of drugs during each of three recent years. As such, this report provides information relevant to concerns regarding health care status and health care utilization patterns in Vermont.

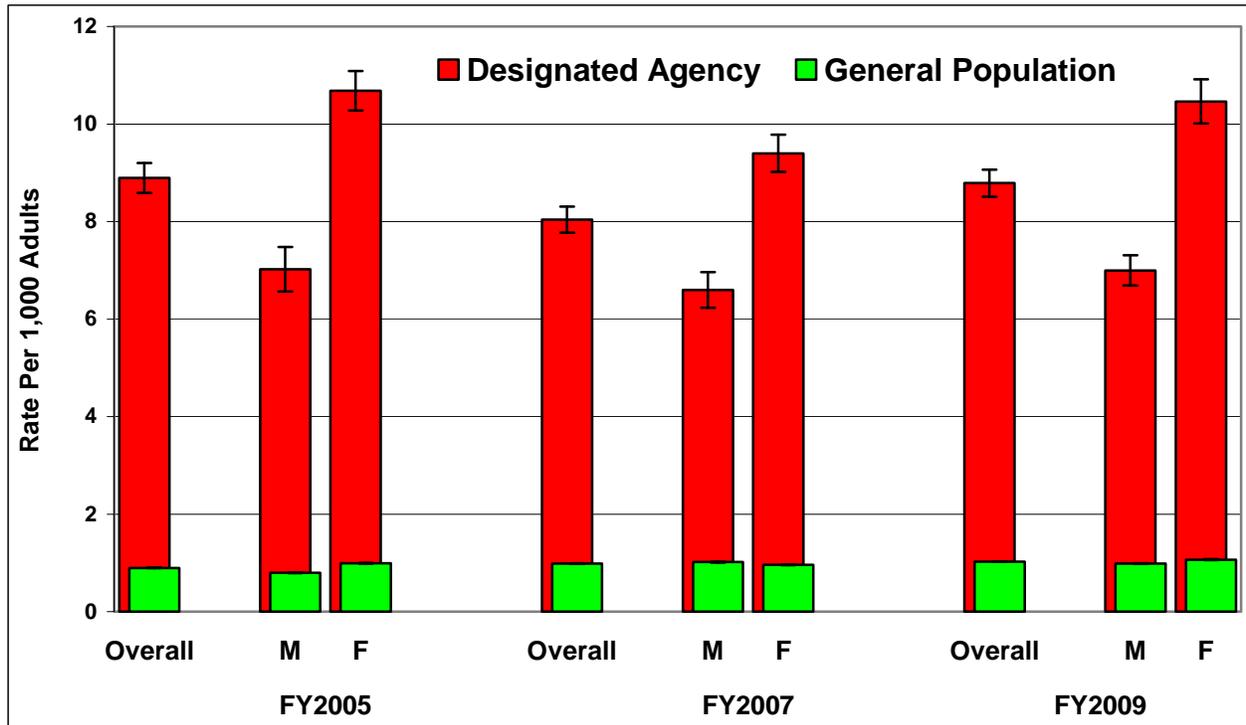
Anonymous extracts from two data sets were used in this analysis. The first data set, the Vermont Uniform Hospital Discharge Data Set, provides the date of birth, and gender of all individuals with emergency care classified as injury, poisoning, or toxic effects of drugs: Major Diagnostic Category 21. The second data set, the Vermont Department of Mental Health (DMH) Monthly Service Report data set, provides the date of birth, and gender of all individuals served by DMH Designated Agencies (DA). This analysis includes individuals served by Community Rehabilitation and Treatment programs for adults with serious mental illness, Adult Mental Health Outpatient programs for adults who are experiencing emotional, behavioral, or emotional problems serious enough to warrant professional attention, and Substance Abuse treatment programs. 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, adult DA service recipients were substantially more likely than members of the general population to receive emergency inpatient services for injury, poisoning, or toxic effects during each of the years under examination: between 8 and 9 per thousand adult DA service recipients, compared to about one per thousand adult Vermont residents. Findings also indicate that DA women were substantially more likely than DA men to receive emergency inpatient services for injury, poisoning, or toxic 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.



Emergency Inpatient Care for Injury and Poisoning VT Adult Designated Agency Clients and General Population During FY05, FY07 & FY09



	DA Clients			VT Adult Population			Relative Rate
	Total #	with Inpatient #	per 1,000	Total #	with Inpatient #	per 1,000	
FY2005							
Overall	13,000 ± 33	116 ± 4	8.9 ± 0.3	489,567	439 ± 2	0.9 ± 0.01	9.9 ± 0.3
Male	6,351 ± 25	45 ± 3	7.0 ± 0.5	238,108	190 ± 2	0.8 ± 0.01	8.8 ± 0.6
Female	6,649 ± 22	71 ± 3	10.7 ± 0.4	251,459	249 ± 2	1.0 ± 0.01	10.8 ± 0.4
FY2007							
Overall	12,841 ± 32	103 ± 3	8.0 ± 0.3	489,901	483 ± 2	1.0 ± 0.01	8.2 ± 0.3
Male	6,234 ± 23	41 ± 2	6.6 ± 0.4	238,291	242 ± 2	1.0 ± 0.01	6.5 ± 0.4
Female	6,607 ± 22	62 ± 3	9.4 ± 0.4	251,610	241 ± 2	1.0 ± 0.01	9.8 ± 0.4
FY2009							
Overall	13,421 ± 32	118 ± 4	8.8 ± 0.3	495,485	509 ± 3	1.0 ± 0.01	8.6 ± 0.3
Male	6,491 ± 23	45 ± 2	7.0 ± 0.3	241,373	238 ± 2	1.0 ± 0.01	7.1 ± 0.3
Female	6,930 ± 22	73 ± 3	10.5 ± 0.5	254,112	271 ± 2	1.1 ± 0.01	9.8 ± 0.4

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. Adult general population rates based on 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).