

**Vermont Mental Health Performance Indicator Project**  
Agency of Human Services, Department of Health, Department of Mental Health  
108 Cherry Street, Burlington, Vermont 05401

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

FROM: John Pandiani and Brennan Martin

DATE: March 14, 2008

RE: ER Depression with CMHC Services

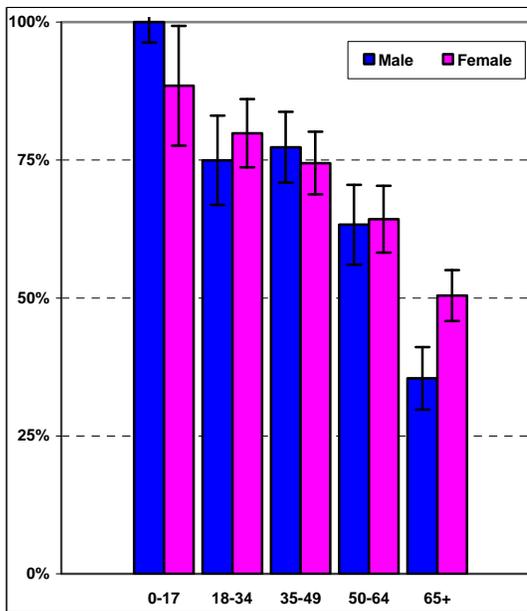
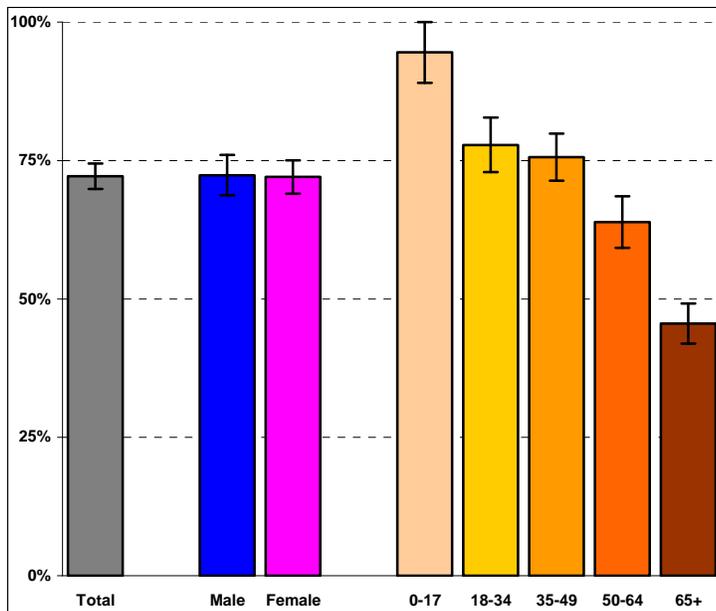
This week's PIP was prepared in response to a request from Michelle Lavalley (DMH Acute Care Chief) for information regarding utilization of CMHC services by individuals with hospital emergency room visits associated with a diagnosis of major depression. This request followed our December 28, 2007 report on Depression in Emergency Rooms.

As with the previous report, two data sets were used for the analysis. One data set, extracted from the Vermont Uniform Hospital Discharge Data Set for the period under examination, includes basic demographic and clinical information for all emergency room visits with a depression diagnosis during CY2005. The other data set, extracted from Monthly Service Report data files provided to DMH by designated community mental health agencies, includes basic demographic information for individuals served during FY 2005 or 2006. Because these data sets do not include unique person identifiers, Probabilistic Population Estimation was used to determine the unduplicated number of individuals represented in each data set and the unduplicated number of individuals shared by the two data sets.

As you will see, almost three quarters (72%) of all individuals with emergency room services with a depression diagnosis were also served by a designated CMHC program during the period under examination. Utilization of CMHC services tended to decrease with increasing age, from 94% in the less than 18 year age group to 46% of individuals 65 and older age group. Differences between male and female emergency room service recipients tended to be small, except in the 65+ age group where women were substantially more likely than men to receive CMHC services.

We look forward to your questions and comments about these findings, and your suggestions for further analysis of patterns of mental health service utilization in Vermont. As always, we can be reached at 802.863.7249 or [pip@vdh.state.vt.us](mailto:pip@vdh.state.vt.us).

## ER Patients with Depression CY05 Served by CMHC MH or SA programs in FY05 and FY06



### ER Patients with Depression served by CMHC

	ER Patients with Depression		Percent Served by CMHC	
	#	CI	%	CI
<b>Total</b>	<b>2,049</b>	<b>± 15</b>	<b>72%</b>	<b>± 2%</b>
<b>Men</b>	<b>833</b>	<b>± 9</b>	<b>72%</b>	<b>± 4%</b>
<b>Women</b>	<b>1,215</b>	<b>± 12</b>	<b>72%</b>	<b>± 3%</b>
<b>0-17</b>	<b>131</b>	<b>± 3</b>	<b>95%</b>	<b>± 5%</b>
<b>18-34</b>	<b>632</b>	<b>± 8</b>	<b>78%</b>	<b>± 5%</b>
<b>35-49</b>	<b>683</b>	<b>± 10</b>	<b>76%</b>	<b>± 4%</b>
<b>50-64</b>	<b>393</b>	<b>± 6</b>	<b>64%</b>	<b>± 5%</b>
<b>65+</b>	<b>210</b>	<b>± 3</b>	<b>46%</b>	<b>± 4%</b>
<b>Males</b>				
<b>0-17</b>	<b>69</b>	<b>± 2</b>	<b>100%</b>	<b>± 4%</b>
<b>18-34</b>	<b>263</b>	<b>± 5</b>	<b>75%</b>	<b>± 8%</b>
<b>35-49</b>	<b>276</b>	<b>± 6</b>	<b>77%</b>	<b>± 6%</b>
<b>50-64</b>	<b>157</b>	<b>± 3</b>	<b>63%</b>	<b>± 7%</b>
<b>65+</b>	<b>68</b>	<b>± 1</b>	<b>35%</b>	<b>± 6%</b>
<b>Females</b>				
<b>0-17</b>	<b>62</b>	<b>± 2</b>	<b>88%</b>	<b>± 11%</b>
<b>18-34</b>	<b>369</b>	<b>± 7</b>	<b>80%</b>	<b>± 6%</b>
<b>35-49</b>	<b>407</b>	<b>± 8</b>	<b>74%</b>	<b>± 6%</b>
<b>50-64</b>	<b>236</b>	<b>± 5</b>	<b>64%</b>	<b>± 6%</b>
<b>65+</b>	<b>141</b>	<b>± 2</b>	<b>50%</b>	<b>± 5%</b>

Information is derived from the Vermont Uniform Hospital Discharge Data Sets maintained by the Vermont Health Department and anonymous extracts from the Monthly Service Reports (MSR) provided to DMH by designated community agencies. Because the data sets used in this analysis do not share unique person identifiers at the state level, Probabilistic Population Estimation (PPE) was used to determine caseload size and overlap (with 95% confidence intervals). Depression is defined as having any DSM IV diagnosis of 296.00 - 296.xx.

Analysis conducted by the Vermont Mental Health Performance Indicator Project.