

Vermont Mental Health Performance Indicator Project

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

MEMORANDUM

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

FROM: John Pandiani and Walter Ochs

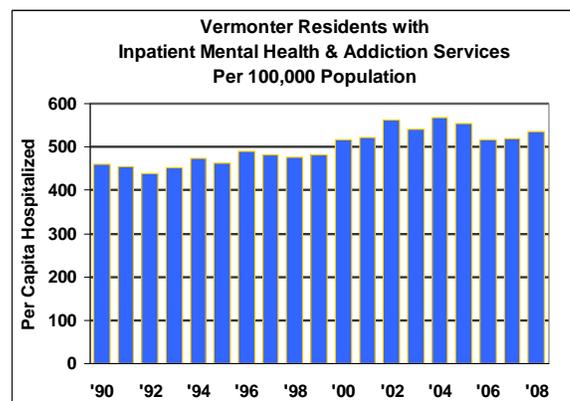
DATE: February 11, 2011

RE: Inpatient Mental Health & Addiction Services: 1990-2008

The Vermont Mental Health Performance Indicator Project has completed data analysis for the 2008 edition of "Inpatient Mental Health and Addiction Services Provided to Vermont Residents."¹ This report includes detailed descriptions of service utilization patterns for 19 years: 1990 through 2008. This week's PIP provides four basic measures of inpatient mental health and addiction service utilization by Vermont residents in Vermont and neighboring states during the study period. These measures include numbers of episodes of care, numbers of patient days, unduplicated numbers of individuals served, and per-capita inpatient utilization rates.

This report is based on analysis of existing databases maintained by the Vermont Department of Health (VDH), the Vermont State Hospital, the Brattleboro Retreat (Vermont's only private psychiatric hospital), and the Veterans Affairs (VA) Hospital in White River Junction. Data provided by VDH are from Vermont's Uniform Hospital Discharge Data Set (a data set available in most states) that includes detailed (but de-identified) information regarding all episodes of hospitalization of Vermont residents that occur in general hospitals in Vermont, New Hampshire, Massachusetts, and neighboring counties of New York. Numbers of episodes of care and patient days are based on direct counts. Because the data sets used in this analysis do not include unique person identifiers, unduplicated counts of individuals served are estimates based on Probabilistic Population Estimation.

As you will see, there was little change in utilization of inpatient mental health and addiction service utilization in recent years. During 2005-2008, the number of episodes of care varied between 4,707 and 4,951, the number of patient days varied between 55,304 and 57,129, the unduplicated number of people served varied between 3,220^(±23) and 3,461^(±24), and the unduplicated number of people served varies between 517^(±4) and 555^(±4).

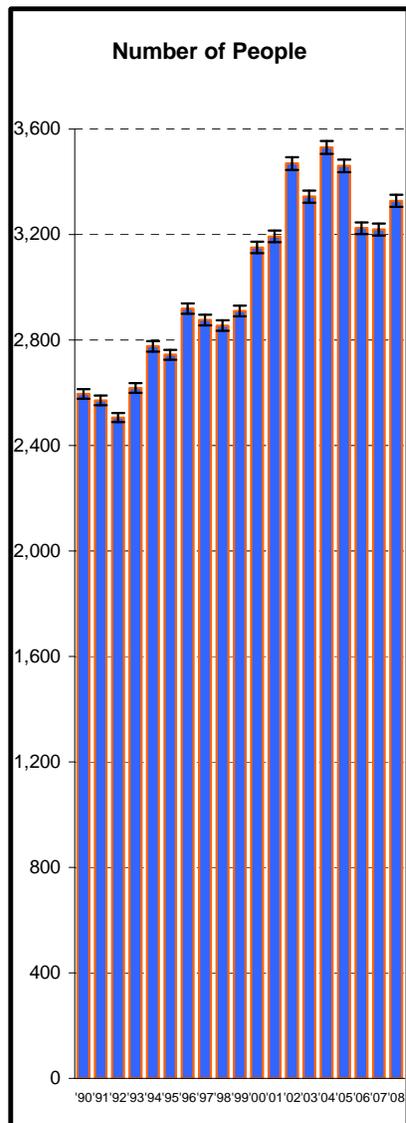
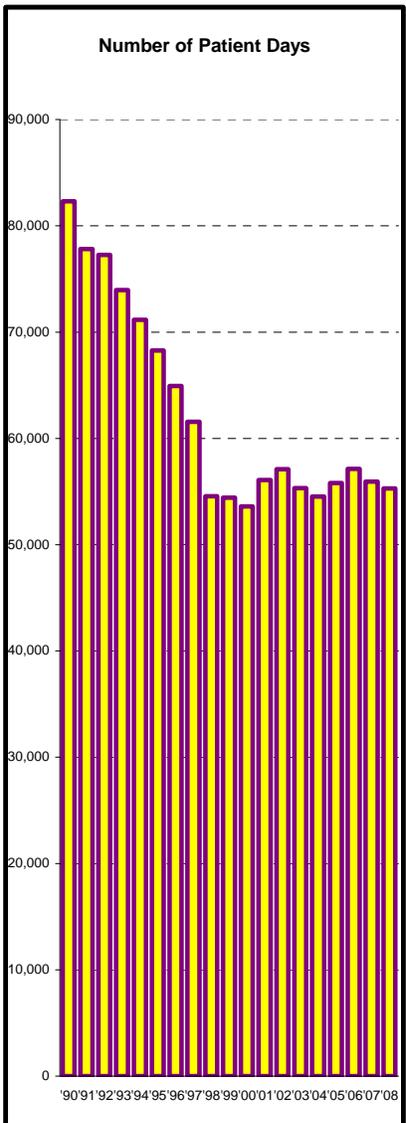
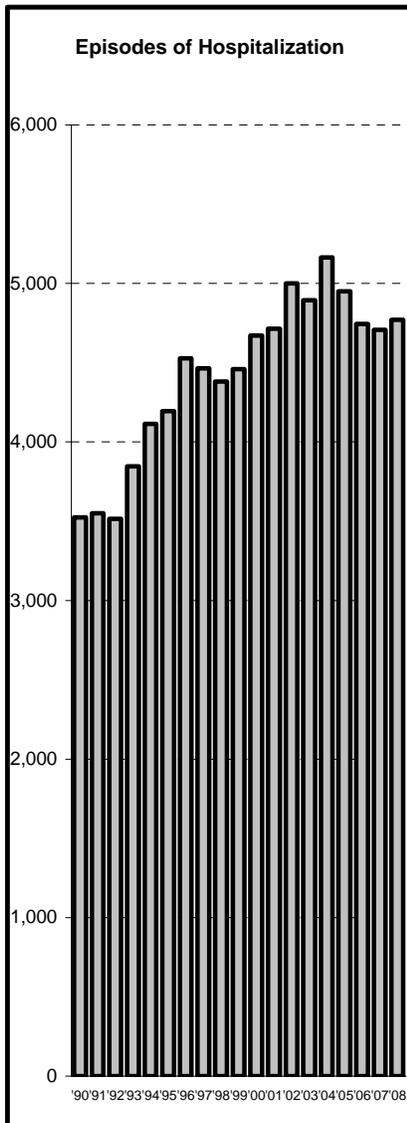


We look forward to your interpretations of these findings and your suggestions for further analysis of this rich data set by e-mail to pip@ahs.state.vt.us or phone to 802-241-4049.

¹http://mentalhealth.vermont.gov/sites/dmh/files/data/inpatient/DMH-Inpatient_Data_Book_2008.pdf

INPATIENT MENTAL HEALTH AND ADDICTION SERVICES

Provided To Vermont Residents During 1990 - 2008



Prepared by the Vermont Mental Health Performance Indicator Project

Inpatient Mental Health and Addiction Services Provided to Vermont Residents During 1990-2008

<u>Year</u>	<u>Episodes of Hospitalization</u>	<u>Patient Days</u>	<u>Unduplicated People Served</u>	
	#	#	#	Per Capita*
2008	4,770	55,304	3,328 ± 23	536 ± 4
2007	4,707	55,936	3,220 ± 23	518 ± 4
2006	4,745	57,129	3,224 ± 22	517 ± 4
2005	4,951	55,794	3,461 ± 24	555 ± 4
2004	5,164	54,519	3,530 ± 25	568 ± 4
2003	4,894	55,311	3,344 ± 23	540 ± 4
2002	5,000	57,090	3,469 ± 24	563 ± 4
2001	4,714	56,101	3,193 ± 22	521 ± 4
2000	4,671	53,596	3,151 ± 22	518 ± 4
1999	4,459	54,418	2,910 ± 20	482 ± 3
1998	4,382	54,548	2,855 ± 20	476 ± 3
1997	4,464	61,548	2,876 ± 20	481 ± 3
1996	4,528	64,919	2,919 ± 20	489 ± 3
1995	4,194	68,272	2,744 ± 19	464 ± 3
1994	4,114	71,155	2,776 ± 20	474 ± 3
1993	3,846	73,955	2,618 ± 18	452 ± 3
1992	3,515	77,269	2,506 ± 17	439 ± 3
1991	3,550	77,816	2,571 ± 18	454 ± 3
1990	3,523	82,315	2,596 ± 18	461 ± 3

* Rate per 100,000 Vermont residents.

Information is derived from the Vermont Uniform Hospital Discharge Data Set maintained by the Vermont Department of Health, and database extracts provided by the Brattleboro Retreat, Vermont State Hospital, and the Veterans Affairs (VA) Hospital in White River Junction.

Because the Uniform Hospital Discharge Data Set does not include unique client person identifiers, Probabilistic Population Estimation (PPE) was used to determine unduplicated numbers of people served based on distributions of dates of birth. Unduplicated counts of people served exclude hospitalizations in Massachusetts and New York because those states do not report dates of birth.