

## **Vermont Mental Health Performance Indicator Project**

Agency of Human Services, 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: August 7, 2009

RE: Inpatient Mental Health & Addiction Services: 1990-2007

The Vermont Mental Health Performance Indicator Project has completed data analysis for the 2007 edition of our annual report on "Inpatient Behavioral Health Care Services Provided to Vermont Residents." This report includes a detailed description of service utilization patterns for the eighteen-year period, 1990 through 2007. This week's PIP provides three basic measures of utilization of inpatient mental health and addiction services (collectively referred to as 'behavioral health' in the report) in Vermont and neighboring states by Vermont residents during that time period. These measures include numbers of episodes of care, numbers of patient days, and unduplicated numbers of individuals served.

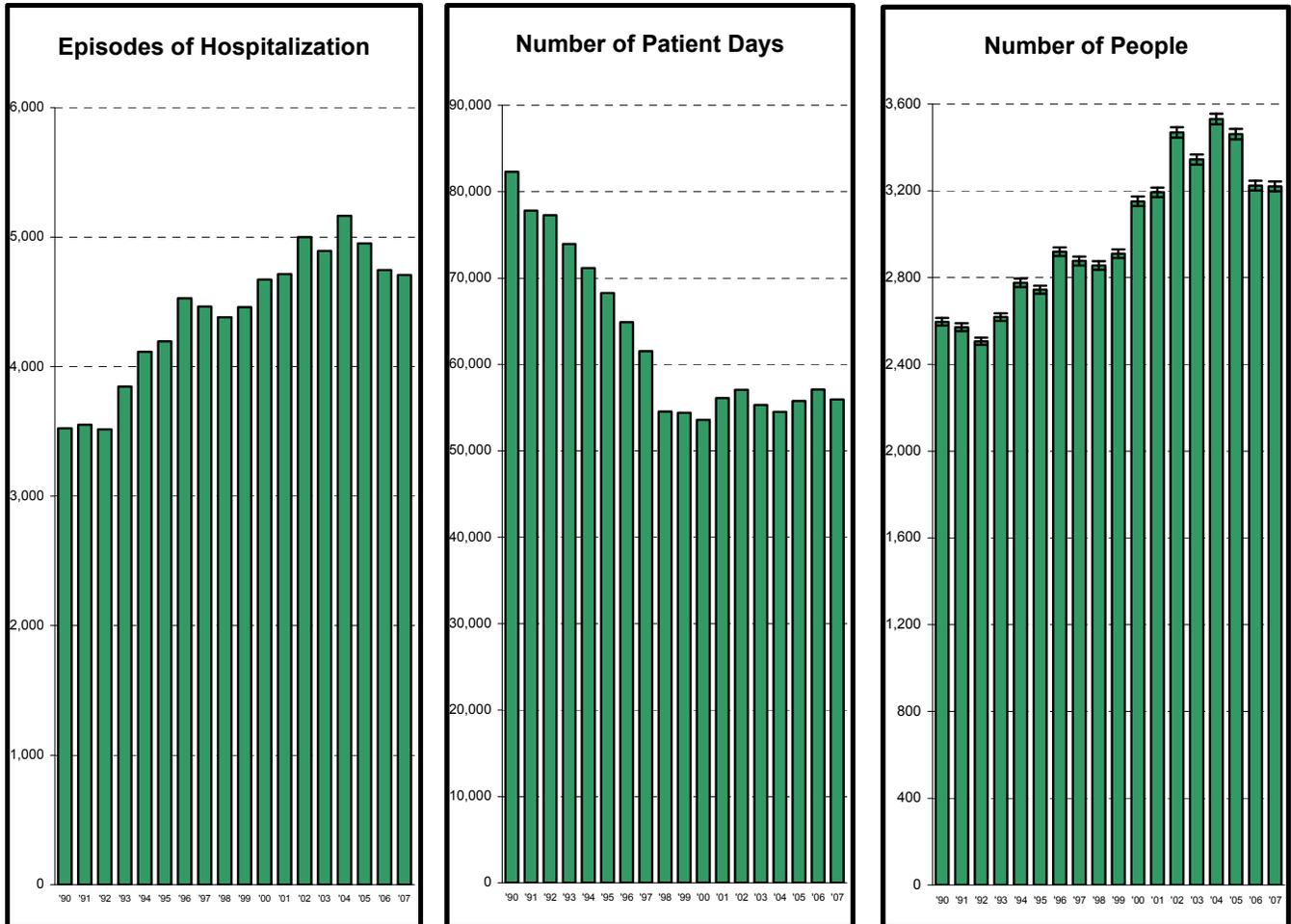
This report is based on analysis of existing databases provided by the Vermont Department of Health, the Vermont State Hospital, the Brattleboro Retreat (Vermont's only private psychiatric hospital), and the Veterans Affairs (VA) Hospital in White River Junction. The data provided by the Department of Health were extracted 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 for Vermont residents that occur in general hospitals and veterans' hospitals in Vermont and New Hampshire. Numbers of episodes of care and patient days are based on direct counts. Unduplicated counts of individuals served are estimates provided by Probabilistic Population Estimation because the data sets used in this analysis do not include unique person identifiers.

As you will see, there was little change in utilization of inpatient mental health and addiction services in 2007 compared to the previous year. The number of episodes of care decreased from 4,745 to 4,707. The number of patient days decreased from 57,129 to 55,963. The number of people served decreased from 3,224 to 3,220, a statistically insignificant difference. It is important to keep in mind that these utilization numbers have not been adjusted for changes in the population of Vermont over the eighteen years covered by this report.

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

# INPATIENT BEHAVIORAL HEALTH CARE SERVICES

Provided To Vermont Residents During 1990 - 2007



Prepared by the Vermont Mental Health Performance Indicator Project

## Inpatient Behavior Health Care Services Provided to Vermont Residents During 1990-2007

<u>Year</u>	<u>Episodes of Hospitalization</u>	<u>Patient Days</u>	<u>Number of People</u>
2007	4,707	55,936	3,220 ± 23
2006	4,745	57,129	3,224 ± 22
2005	4,951	55,794	3,461 ± 24
2004	5,164	54,519	3,530 ± 25
2003	4,894	55,311	3,344 ± 23
2002	5,000	57,090	3,469 ± 24
2001	4,714	56,101	3,193 ± 22
2000	4,671	53,596	3,151 ± 22
1999	4,459	54,418	2,910 ± 20
1998	4,382	54,548	2,855 ± 20
1997	4,464	61,548	2,876 ± 20
1996	4,528	64,919	2,919 ± 20
1995	4,194	68,272	2,744 ± 19
1994	4,114	71,155	2,776 ± 20
1993	3,846	73,955	2,618 ± 18
1992	3,515	77,269	2,506 ± 17
1991	3,550	77,816	2,571 ± 18
1990	3,523	82,315	2,596 ± 18

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.

The State of Vermont does not have unique client identifiers across all health care sectors. For this reason, Probabilistic Population Estimation has been used to provide unduplicated counts of people served (with 95% confidence intervals).