

Vermont Mental Health Performance Indicator Project
Vermont Agency of Human Services, Department of Mental Health
26 Terrace Street, Montpelier, Vermont 05602

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

FROM: John Pandiani and Walter Ochs

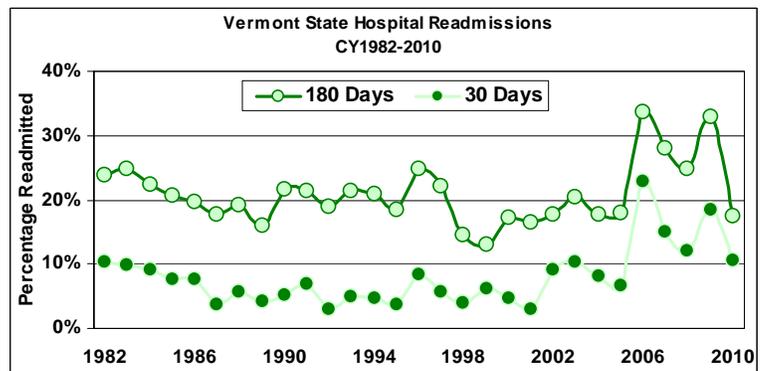
DATE: September 23, 2011

RE: VSH Readmission Rates CY1982-2010

Rates of readmission after a state hospital discharge are core indicators of the performance of public mental health systems of care. Currently, the Center for Mental Health Services requires that states report 30-day and 180-day state hospital readmission rates annually as part of their Uniform Reporting System. This week's PIP examines the rate at which individuals discharged from the Vermont State Hospital (VSH) were readmitted to VSH during the first 30 days after discharge and the first 180 days after discharge. This report, which was prepared in response to a request from DMH Commissioner, Christine Oliver, complements our September 1, 2006 report on VSH Readmission Rates during CY1982-2005.¹

As you will see, VSH readmission rates varied substantially during the 29 years under examination, with 30-day readmission rates varying between 3% and 23%, and 180-day readmission rates varying between 13% and 34%. Both 30-day and 180-day readmission rates increased substantially during 2006 through 2009, but decreased substantially during 2010.

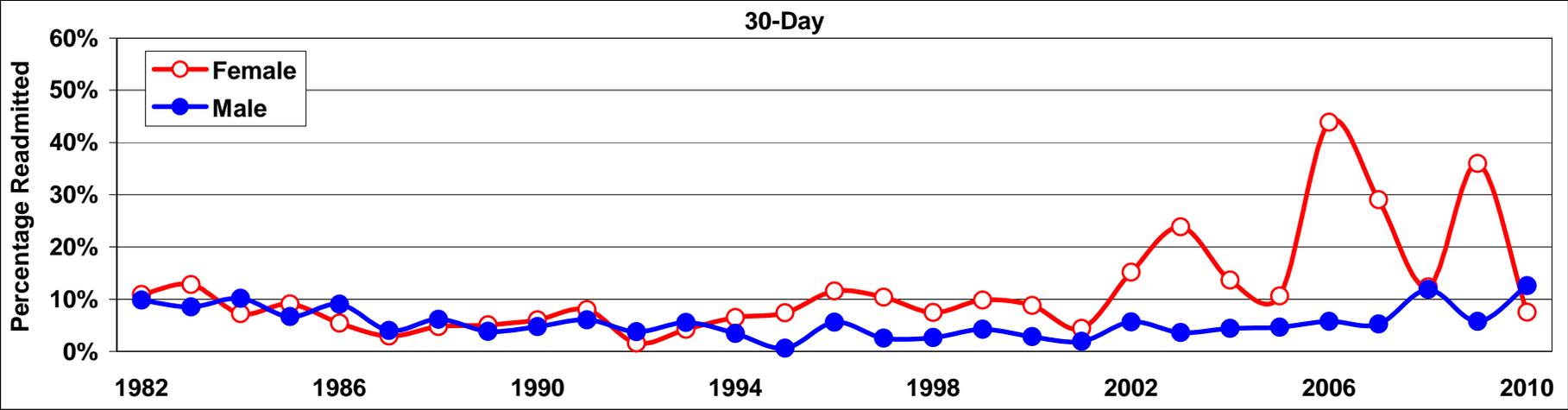
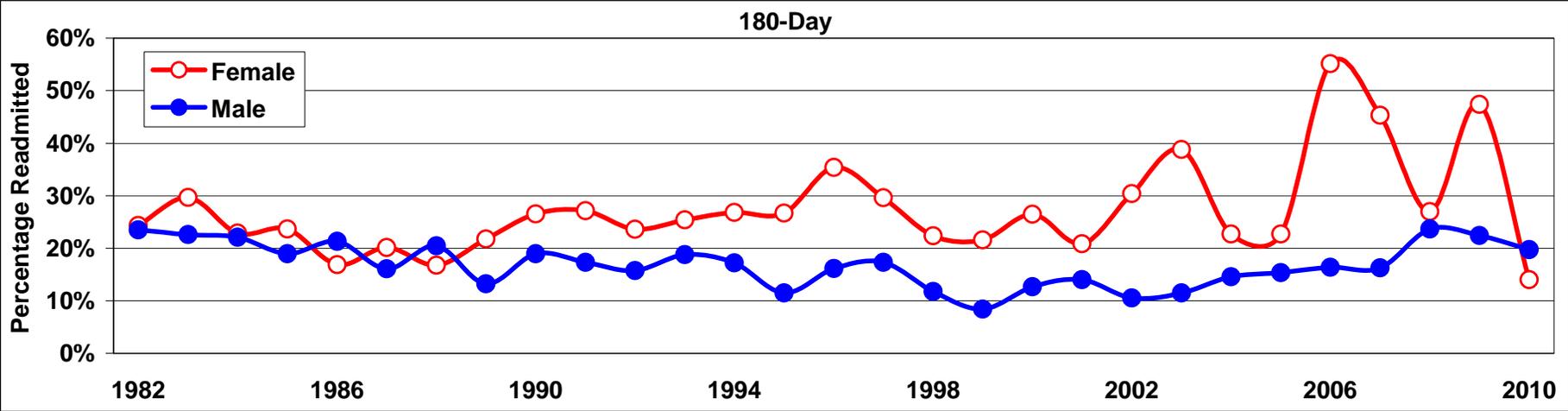
There were also substantial differences in the readmission rates for gender and age groups during the study period with female and younger patients tending to have higher 180-day readmission rates, for much of the study period, although these differences were much more pronounced for 180-day readmission rates than for 30-day readmission rates.



Please share your interpretations of these findings and your questions with the PIP community at pip@vdh.state.vt.us, and feel free to call us at 802-241 4049.

¹ http://mentalhealth.vermont.gov/sites/dmh/files/pip/DMH-PIP_Sept_1_2006.pdf

Vermont State Hospital Readmission Rates by Gender CY1982-2010

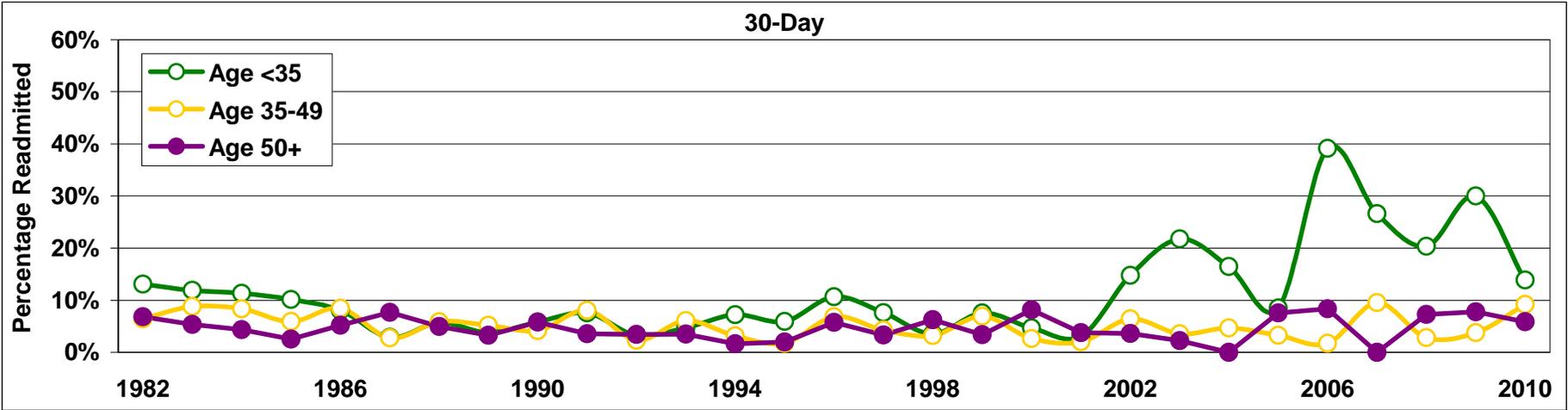
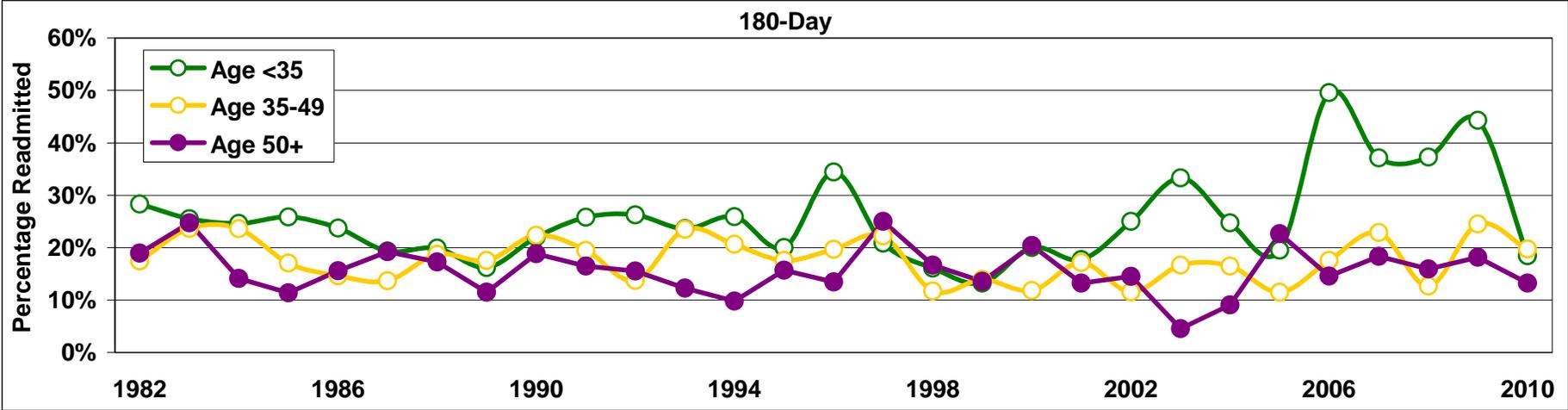


Analysis based on the Vermont State Hospital Treatment Episode Database.

Vermont State Hospital

Readmission Rates by Age

CY1982-2010



Analysis based on the Vermont State Hospital Treatment Episode Database.

Vermont State Hospital

180 Day Readmission Rates by Age and Gender

CY1982-2010

<u>CY</u>	<u>Total</u>	<u>Gender</u>		<u>Age</u>		
		Male	Female	<35 Years	35-49 Years	50+ Years
1982	24%	24%	24%	28%	17%	19%
1983	25%	23%	30%	26%	24%	25%
1984	22%	22%	23%	25%	24%	14%
1985	21%	19%	24%	26%	17%	11%
1986	20%	21%	17%	24%	15%	16%
1987	18%	16%	20%	19%	14%	19%
1988	19%	20%	17%	20%	19%	17%
1989	16%	13%	22%	16%	18%	11%
1990	22%	19%	27%	22%	22%	19%
1991	21%	17%	27%	26%	19%	16%
1992	19%	16%	24%	26%	14%	16%
1993	21%	19%	25%	24%	23%	12%
1994	21%	17%	27%	26%	21%	10%
1995	18%	12%	27%	20%	18%	16%
1996	25%	16%	35%	34%	20%	13%
1997	22%	17%	30%	21%	22%	25%
1998	15%	12%	22%	16%	12%	17%
1999	13%	8%	22%	13%	14%	14%
2000	17%	13%	26%	20%	12%	20%
2001	17%	14%	21%	18%	17%	13%
2002	18%	11%	30%	25%	12%	15%
2003	20%	12%	39%	33%	17%	5%
2004	18%	15%	23%	25%	16%	9%
2005	18%	15%	23%	20%	11%	23%
2006	34%	16%	55%	50%	18%	15%
2007	28%	16%	45%	37%	23%	18%
2008	25%	24%	27%	37%	13%	16%
2009	33%	22%	47%	44%	25%	18%
2010	18%	20%	14%	18%	20%	13%

Analysis based the Vermont State Hospital Treatment Episode Database.

Vermont State Hospital

30 Day Readmission Rates by Age and Gender

CY1982-2010

<u>CY</u>	<u>Total</u>	<u>Gender</u>		<u>Age</u>		
		Male	Female	<35 Years	35-49 Years	50+ Years
1982	10%	10%	11%	13%	6%	7%
1983	10%	9%	13%	12%	9%	5%
1984	9%	10%	7%	11%	8%	4%
1985	8%	7%	9%	10%	6%	3%
1986	8%	9%	5%	8%	8%	5%
1987	4%	4%	3%	3%	3%	8%
1988	6%	6%	5%	6%	6%	5%
1989	4%	4%	5%	4%	5%	3%
1990	5%	5%	6%	6%	4%	6%
1991	7%	6%	8%	8%	8%	4%
1992	3%	4%	2%	3%	2%	3%
1993	5%	6%	4%	5%	6%	4%
1994	5%	3%	7%	7%	3%	2%
1995	4%	1%	7%	6%	2%	2%
1996	8%	6%	12%	11%	7%	6%
1997	6%	3%	10%	8%	4%	3%
1998	4%	3%	7%	4%	3%	6%
1999	6%	4%	10%	8%	7%	3%
2000	5%	3%	9%	5%	3%	8%
2001	3%	2%	4%	3%	2%	4%
2002	9%	6%	15%	15%	6%	4%
2003	10%	4%	24%	22%	4%	2%
2004	8%	4%	14%	16%	5%	0%
2005	7%	5%	11%	9%	3%	8%
2006	23%	6%	44%	39%	2%	8%
2007	15%	5%	29%	27%	10%	0%
2008	12%	12%	12%	20%	3%	7%
2009	19%	6%	36%	30%	4%	8%
2010	11%	13%	7%	14%	9%	6%

Analysis based the Vermont State Hospital Treatment Episode Database.