Commonwealth of Pennsylvania
Department of Public Welfare
Office of Mental Health & Substance Abuse Services
Bureau of Community & Hospital Operations

State Hospital Risk Management Summary Report For March 2010

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April 21, 2010
Internet: http://www.dpw.state.pa.us/PartnersProviders/MentalHealthSubstanceAbuse/StateHospitals/

Table of Contents

Census and Rates of Incidents	Table 1	Page 3
Thirteen-Month Trend of Incidents		Page 3
Six-Month Summary of High Profile Events		Page 4
Category or Cause of Incidents: Civil	Table 2	Page 5
Primary Effect of Incidents: Civil	Table 3	Page 6
Category or Cause of Incidents: Forensic	Table 4	Page 7
Effect of Incidents: Forensic	Table 5	Page 7
Cause of Incidents: Long Term Care	Table 6	Page 8
Effect of Incidents: Long Term Care	Table 7	Page 8
Cause of Incidents: SRTP	Table 8	Page 9
Effect of Incidents: SRTP	Table 9	Page 9
Tobacco Users	Table 10	Page 10
Diabetes	Table 11	Page 10
Reasons for Hospitalization as a Result of an Incident	Table 12	Page 10
13-Month Rate of Type 1 Falls per 1,000 Days of Care	Table 13	Page 11
13-Month Trend of Type 1 Falls		Page 11
Hours of Seclusion Use	Table 14	Page 12
Number of Seclusion Events	Table 15	Page 12
Total Hours of Mechanical Restraint by Unit	Table 16	Page 12
Hours of Mechanical Restraint Use: 12 Months	Table 17	Page 12
Number of Mechanical Restraint Events: 12 Months	Table 18	Page 12
Hours of Physical Restraint Use by Unit	Table 19	Page 13
Hours of Physical Restraint Use: 12 Months	Table 20	Page 13
Number of Physical Restraint Events: 12 Months	Table 21	Page 13
24-Month Trend of Restraint and Seclusion Hours		Page 14
Count of STAT Medications for Psychiatric Indications	Table 22	Page 15
STAT Use of Multiple Medications for Psychiatric Indications	Table 23	Page 15
Psychiatric Use of STAT Medications by Unit	Table 24	Page 15
Route of STAT Medications for Psychiatric Reasons	Table 25	Page 16
Psychiatric Use of STAT Medications by Shift	Table 26	Page 16
Psychiatric Use of STAT Medications per 1,000 Days-of-Care	Table 27	Page 16
Benzodiazepines	Table 28	Page 17
Multiple Atypicals	Table 29	Page 17
Typical-Atypical	Table 30	Page 17
Patient-to-Patient Assaults by Unit	Table 31	Page 18
13-Month Rate of Patient-to-Patient Assault Events with Injury per 1,000 Days-of-Care	Table 32	Page 18
Patient-to-Staff Assaults by Unit	Table 33	Page 19
13-Month Rate of Patient-to-Staff Assaults with Injury to Staff per 1,000 Days-of-Care	Table 34	Page 19

State Hospital Risk Management Summary Report
March 2010

The State Hospital Risk Management System defines an incident as any patient-related event that has the potential for, or which results in, a negative impact upon the quality of patient care or services, including injury or death of a person served in the state hospital system. Page 3 of this summary report provides further detail on the specific kinds of events covered by this system.

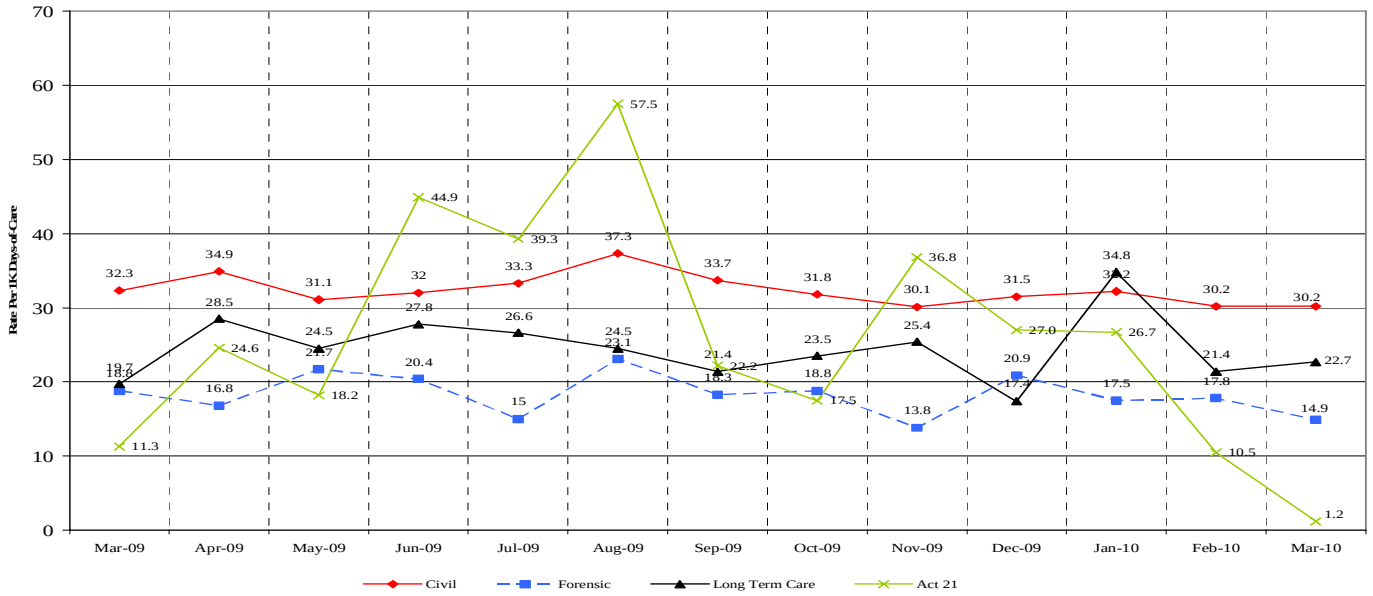
The data dictionary for the measurement system was updated on October 1, 2008, and is available for review.

During **March** a total of 1460 incident reports were completed by the state hospital system, which is an increase of 88 events from the previous month. Additionally, 24 prior month records were added to the database. These records are included in all monthly comparisons (page 3) made in this summary report. The following is a breakdown of incidents by individual facility and type of care:

Table 1 **March 2010**

Civil	Census 3/31/10	Days Provided	Incidents	Per 1000 Days-of-Care
Allentown	156	4950	146	29.5
Clarks Summit	221	6764	135	20.0
Danville	166	5378	121	22.5
Norristown	226	7090	225	31.7
Torrance	210	6294	249	39.6
Warren	159	4865	81	16.6
Wernersville	216	6725	312	46.4
Total Civil	1354	42066	1269	30.2
Forensic				
Norristown	129	3982	59	14.8
Torrance	55	1668	31	18.6
Warren	27	799	6	7.5
Total Forensic	211	6449	96	14.9
Act 21				
Act 21	27	849	1	1.2
Total Act 21	27	849	1	1.2
Long Term Care				
South Mountain	135	4142	94	22.7
Total L. T. C.	135	4142	94	22.7
Total	1727	53506	1460	27.3

Thirteen-Month Trend of Incidents by Type of Care per 1,000 Days of Care



Summary of Hospital Risk Management Data
Major Categories Only & All Levels of Care
(Civil, Forensic, LTC and Act-21)

(A + or – next to any counts reflects data or records added, changed or deleted from the system since the last report)

Primary Cause or Effects of High Profile Events	10/09	11/09	12/09	1/10	2/10	3/10
Total number of reported airway obstructions or choking incidents at all facilities (Type 1 & 2):	9	5	10	7	10	8
Total number of AWOL's & UA's all facilities:	32	30	27	30	33	31
Total number of falls (Type 1 & 2) at all facilities:	186	203	176	180	+193	186
Total number of reported falls involving consumers age 65 or older:	39	47	35	57	50	44
Total number of reported falls involving consumers age 75 or older:	15	13	6	20	11	13
Total number of reported fire setting events:	2	1	0	1	0	0
Total number of reported incidents involving a bone fracture:	5	1	7	+3	6	2
Total number of reported deaths for this report period:	4	7	2	8	9	3
Total number of reported incidents involving a burn or scald:	4	3	3	5	6	1
Total number of reported incidents involving a cut or laceration requiring sutures, steri-strips or glue:	27	22	12	20	18	9
Total number of reported incidents of patient-to-patient assault (see note below):	383	303	353	373	232	335
Total number of reported incidents of patient-to-staff assaults:	110	80	91	96	100	115
Total number of reported incidents involving alleged abuse:	13	11	16	+17	+20	18
Total percentage for the month of reported incidents involving no physical injury to the Patient:	64%	66%	69%	66%	67%	70%
Total incidents of physical restraint used for the month:	118	73	102	101	92	78
Total hours of physical restraint used for the month:	10.866	6.926	9.657	12.221	13.617	6.223
Incidents of mechanical restraint use for the month:	11	10	11	6	8	4
Total hours of mechanical restraint used for the month:	7.77	8.18	7.80	5.50	8.78	2.88
Total reported incidents involving the use of seclusion:	2	0	0	2	1	1
Total hours of seclusion used for the month:	0.75	0	0	2.50	.60	.05
Total number of reported incidents coded as alleged sexual assault:	3	1	1	6	6	10
Total number of reported incidents of attempted suicide:	0	3	7	3	3	3
Total number of reported incidents involving the threat or plan of suicide:	4	10	8	3	4	14
Total number of reported incidents of illicit drug use/possession:	0	0	1	2	2	1
Total number of medication errors:	59	43	43	49	-45	37
Total number of STAT medications administered for psychiatric indications:	1128	988	1108	1087	998	1154

***Note**: Rules regarding the reporting of incidents involving patient-to-patient assaults require a separate incident report form on each person involved in an altercation. This includes both the aggressor, when known and any other person involved. The numbers reported above reflect the monthly, total number of SI-815 reports coded as Patient-to-Patient Assaults and not the actual number of altercations.

Cause and Effect of Incidents in the Civil Hospitals

Table 2 reflects the actual number of incidents by category or cause and facility for people served in the civil hospitals only. Table 3 reflects these same numbers but by incident effect.

Table 2 **Category or Cause of Incidents in the Civil Hospitals**
March 2010

Primary Cat #	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Accident-Injury	7	5	7	7	6	2	7	41
Adverse Drug Reaction		3						3
Aggression	8	7	1	26	33	25	69	169
Airway Obstruction type 1 Intervention		2		1	2		1	6
Alcohol Use/Possession/Suspected or Confirmed			1					1
Alleged Nonconsensual Sexual Activity	4	1		2	3			10
Alleged Pt. Abuse	5	2		6				13
Assault, Pt./Pt	34	35	20	65	70	7	53	284
Assault, Pt./Staff	4	13	9	16	9	10	39	100
Assault: Patient/Other				1				1
AWOL/UA	5			4		1	5	15
AWOL-Attempt	1				6			7
AWOL-Late	1	1	3		3	1		9
Change in Medical Status-Stabilized		1		4	1		1	7
Change in Medical Status-Transferred	12	5	1	16	9	1	4	48
Charged post admit/crime committed prior to admit		2					1	3
Charged with alleged crime off hospital grounds							1	1
Charged with alleged crime on hospital grounds		1	1				1	3
Communications Sys. Misuse		2	3					5
Community Incident	1	1	2	1				5
Contraband Possession		1	7	2		4	6	20
Fall Type 1-Injury with treatment	5	19	3	6	19	3	6	61
Fall Type 2-No treatment needed	10	17	10	5	13	14	22	91
Family Concern	1				3		1	5
Illicit Substance Use/Possession					1			1
Indeterminate/Unconfirmed Cause of Injury		7	3	7	2	1	9	29
Medication Error	5	1	4	11	4	1	3	29
Missing Property	2		2	6	5	1	2	18
Other	15	5	1	7	17	5	19	69
Procedural Treatment Error	4		2	5			1	12
Property Damage	2		5	1			4	12
Seizure					1		2	3
Self-Injurious behavior	4	3	26	7	22	3	46	111
Sexual Behavior	2		5	2	2		2	13
Smoking Violation	9			8	14		1	32
Suicide Attempt	1	1	1					3
Suicide threat/plan	3		1	3	4		2	13
Theft	1			5		2	3	11
Unknown				1				1
Unsubstantiated Patient Abuse			3				1	4
Totals	146	135	121	225	249	81	312	1269

Table 3 **Primary Effect of Incidents in the Civil Hospitals**
March 2010

Primary effect	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Not reported				2			1	3
Abrasion/scrape/scratch/hematoma	3	21	24	17	27	3	32	127
Allergic reaction		1						1
Bite-Human					1			1
Blister			1		1		1	3
Body System Illness		1		5	4		1	11
Bruise/contusion/discoloration	6	7	4	10	9	1	11	48
Burn/Scald	1							1
Constipation					1			1
Death	1						1	2
Dislocation	1							1
Edema/swelling	1	3	1	4	4	2	4	19
Emesis				1	2			3
Epistaxis		1		3	2			6
Erythema/redness	2	2	1	2	4		3	14
Fever	1				1			2
Fracture	1						1	2
Ingestion of foreign body			1	2	3		5	11
Laceration: NO sutures/staples/steri-strips	6	2	2	2	9	1	5	27
Laceration: with steristrips/glue		2			1	1		4
Laceration: with sutures/staples			1		2			3
Lethargy		1	1	4			1	7
No Injury/NA	104	78	82	155	165	70	232	886
Other	7	4		7	3	2	10	33
Pain unspecified				1	1			2
Pain, Specified	12	10	3	6	7	1	3	42
Puncture/stab wound				1	1			2
Respiratory Distress		2					1	3
Skin Irritation/Rash					1			1
Syncopal episode				1				1
Unconscious/Unresponsive				2				2
Totals	146	135	121	225	249	81	312	1269

Cause and Effect of Incidents in the Forensic Units

Table 4 **Category or Cause of Incidents in the Forensic Service by Unit**

Primary Cat #	51A1	51A2	51B1	51B2	51C1	51C2	FOR	FB4	FC1	FC2	Count
Accident-Injury		1	1					1	1		4
Aggression		2	1	4	2	1	3	4	1	1	19
Alleged Pt. Abuse		4									4
Assault, Pt./Pt	4	2	2	14	3	2	2		2		31
Assault, Pt./Staff	1	1		1	1	1		1			6
Change in Medical Status-Transferred		1	1								2
Communications Sys. Misuse		1									1
Contraband Possession		1						1			2
Fall Type 1-Injury with treatment							1	2	1		4
Fall Type 2-No treatment needed					1			1	2	1	5
Indeterminate/Unconfirmed Cause of Injury	1										1
Missing Property										1	1
Other								2			2
Self-Injurious behavior		1	1			1		7	1		11
Smoking Violation		2									2
Suicide threat/plan								1			1
Totals	6	16	6	19	7	5	6	20	8	3	96

Table 5 **Effect of Incidents in the Forensic Service by Unit**

EFFECT	51A1	51A2	51B1	51B2	51C1	51C2	FOR	FB4	FC1	FC2	Count
Abrasion/scrape/scratch/hematoma		2	1			1		6	1		11
Body System Illness		1									1
Bruise/contusion/discoloration	1	1	1	2	1			2			8
Edema/swelling		1									1
Epistaxis								1			1
Erythema/redness				1				2			3
Laceration: NO sutures/staples/steri-strips									1		1
No Injury/NA	3	10	3	14	6	4	5	9	4	3	61
Other			1	1							2
Pain unspecified							1				1
Pain, Specified	2	1		1					2		6
Totals	6	16	6	19	7	5	6	20	8	3	96

Cause and Effect of Incidents in the Long Term Care Facility
March 2010

Table 6 **Cause of Incidents in the Long Term Care Facility**

Cause	3A	3B	5A	6A	6B	Count
Accident-Injury		5	1	2	3	11
Aggression	2	2	3	1	2	10
Assault, Pt./Pt	3	8	5			16
Assault, Pt./Staff		3			2	5
Change in Medical Status-Transferred		3	2		1	6
Fall Type 1-Injury with treatment	5	4	1		2	12
Fall Type 2-No treatment needed	2		1	1	1	5
Medication Error			1	6		7
Other	1	4	5	3	1	14
Procedural Treatment Error				1		1
Property Damage		3				3
Self-Injurious behavior		1		1		2
Smoking Violation		1				1
Theft			1			1
Totals	13	34	20	15	12	94

Table 7 **Effect of Incidents in the Long Term Care Facility**

EFFECT	3A	3B	5A	6A	6B	Count
Abrasion/scrape/scratch/hematoma	1	4	1	2	2	10
Blister		1		1		2
Bruise/contusion/discoloration	3	7	3	2	2	17
Death					1	1
Edema/swelling	1					1
Erythema/redness		2	1			3
Laceration: with steristrips/glue		1			1	2
No Injury/NA	6	15	12	10	5	48
Other			1			1
Pain, Specified	2	1	1			4
Respiratory Distress		2	1		1	4
Seizure		1				1
Totals	13	34	20	15	12	94

Act-21-Sexual Responsibility & Treatment Program at Torrance State Hospital

In August 2003, the Pennsylvania Legislature enacted Act 21 for adjudicated youth, aging out of the juvenile justice system who have a "mental abnormality" that renders them unable to control their violent sexual impulses. The Act mandates the state to provide mental health and sex-offense specific treatment to an identified population that had been adjudicated of certain sex crimes, received treatment in a juvenile program, yet remains a significant risk to sexually re-offend after reaching the age of 21, an age when oversight by the juvenile justice system typically ends. The Act requires the referral of such individuals who have committed these specific crimes to the Pennsylvania Sexual Offenders Assessment Board (SOAB) ninety days prior to their 20th birthday for purposes of determining if the individual has "serious difficulty in controlling sexually violent behavior." If so determined, a petition for a mental health hearing will be made for determination of civil commitment to the Sexual Responsibility and Treatment Program (SRTP) on the grounds of Torrance State Hospital. On July 1, 2006 the operation of this program transferred from an independent contractor to the Torrance State Hospital.

Table 8 Cause of Incidents in the Sexual Responsibility and Treatment Program

Cause	TOR	Count
Alleged Pt. Abuse	1	1
Totals	1	1

Table 9 Effect of Incidents in the Sexual Responsibility and Treatment Program

Primary effect	TOR	Count
No Injury/NA	1	1
Totals	1	1

Physical Health Measures

The National Association of State Mental Health Program Directors (NASMHPD) issued a report in October 2006 about mortality and morbidity in people with serious mental illness (SMI). According to Mental Health America's *Survey of People with Schizophrenia and Providers* (www.mentalhealthamerica.net), the NASMHPD report revealed that people with SMI die on average 25 years earlier than the general population. The major natural causes of death for people with SMI are heart disease, diabetes, respiratory disease and infectious disease. Many of the risk factors for these diseases are modifiable. Beginning June 2008, the state began compiling and comparing data on the number of tobacco users (Table 10) in our state hospitals. Beginning July 2008, the state began compiling and comparing data on the number of consumers who have a diagnosis of diabetes (Table 11).

Civil and Long Term Care

Table 10 **Tobacco Users on Last Day of Month**

Date	Tobacco Use	ALL	CLA	DAN	NOR	TOR	WAR	WER	Civil Total	LTC	System Total
Jun-09	Total Users	104	127	84	145	112	89	119	780	12	792
	% of Census	60%	58%	51%	62%	53%	55%	55%	56%	9%	52%
Sep-09	Total Users	101	135	83	160	101	86	122	788	14	802
	% of Census	59%	62%	49%	65%	48%	51%	56%	56%	10%	52%
Dec-09	Total Users	107	131	86	162	108	97	119	810	14	824
	% of Census	62%	60%	49%	67%	51%	60%	55%	58%	10%	54%
Mar-10	Total Users	88	134	83	153	113	87	120	778	17	795
	% of Census	56%	61%	50%	68%	54%	54%	55%	57%	13%	55%

Note: Smoking is not permitted in the Forensic Centers.

Table 11 **Diabetes**

	Civil Hospitals								Forensic Centers				A21	LTC	Sys
M/Year	All	Cla	Dan	Nor	Tor	War	Wer	Ttl	Nor	Tor	War	Total	A21	SMRC	
March10 Patient Census	156	221	166	226	210	159	216	1354	129	55	27	211	28	135	1729
March10 Count	47	37	30	57	47	31	45	294	13	7	3	23	0	42	359
% w/ Diabetes	30%	17%	18%	25%	22%	19%	21%	22%	10%	13%	11%	11%	0%	31%	21%

Hospitalizations as a Result of an Incident

The Risk Management System requires that an incident report form be completed anytime a person is transported from a state hospital to an acute care hospital. This includes if the person was only seen in the emergency room, received diagnostic tests and/or was actually admitted. It does **not** include hospitalizations for a preplanned procedure, test or surgery. Table 12 provides detail on the reasons for an acute care hospitalization during this report period.

Table 12 **Reasons for Hospitalizations as the Result of an Incident, All Levels of Care**

March 2010

Cause	ALL	CLA	DAN	NOR	SMO	TOR	WAR	WER	Count
Accident-Injury	2						1		3
Alleged Nonconsensual Sexual Activity						1			1
Alleged Pt. Abuse	1								1
Assault, Pt./Pt	1			4					5
Assault, Pt./Staff						1			1
Change in Medical Status-Transferred	12	4	1	16	6	8	2	4	53
Fall Type 1-Injury with treatment				3		3			6
Fall Type 2-No treatment needed				1					1
Indeterminate/Unconfirmed Cause of Injury				1					1
Other	1			1		1		1	4
Self-Injurious behavior				2		5		5	12
Totals	17	4	1	28	6	19	3	10	88

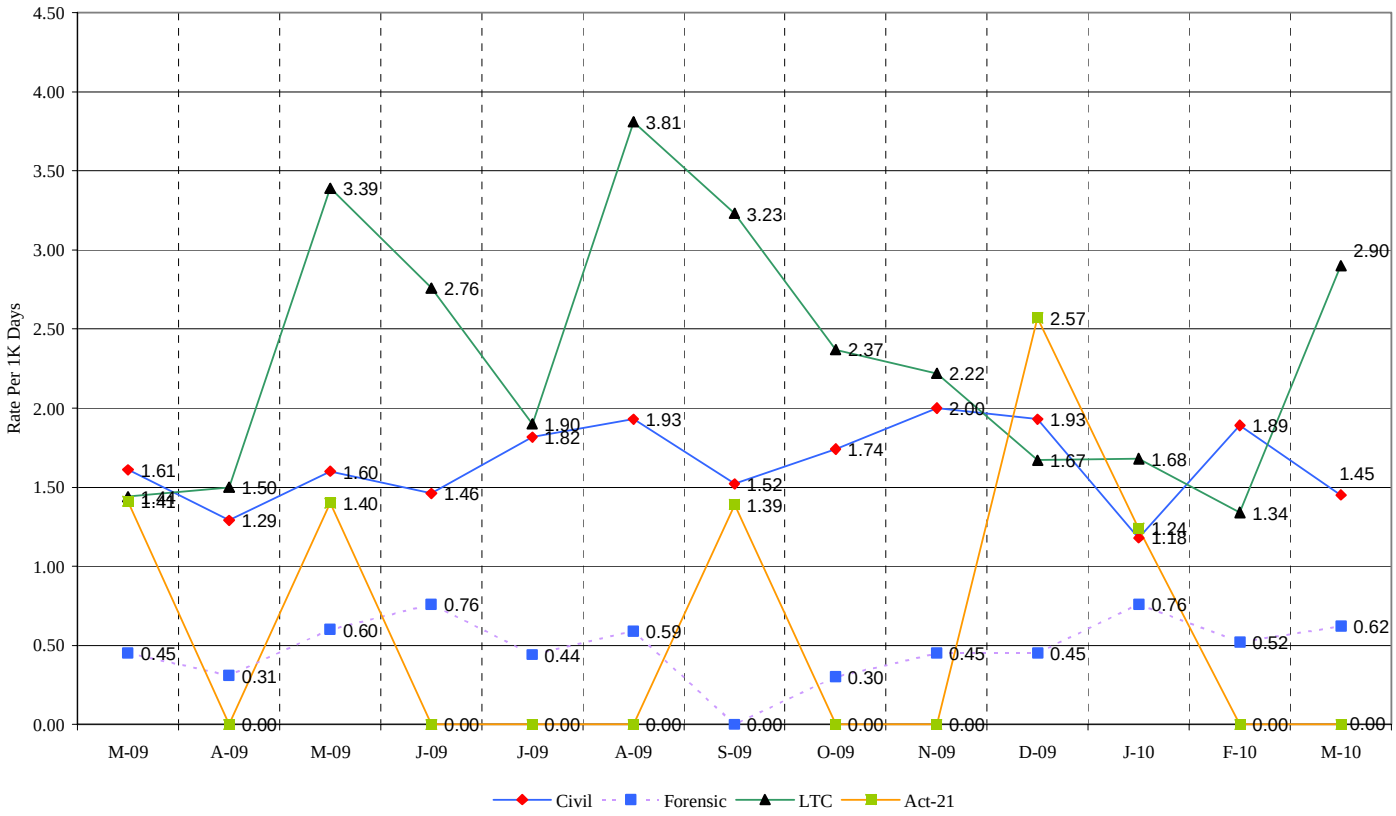
Falls

Falls within the state hospital risk management system are divided into two categories, type 1 and type 2, with the need for medical intervention or lack thereof defining the difference. The following data relates to falls, type 1 which are defined as an involuntary descent to a lower position, excluding seizures, that is witnessed or reported and requires medical intervention.

Table 13 **13-Month Rate of Type 1 Falls Per 1,000 Days-of-Care**

	Civil Hospital								Forensic Center				A21	LTC	Sys Avg
M/Year	All	Cla	Dan	Nor	Tor	War	Wer	Ttl	Nor	Tor	War	Total	A21	SMRC	
Mar-09	0.93	1.34	1.22	1.98	3.34	1.65	0.61	1.61	0.49	0.58	0.00	0.45	1.41	1.44	1.45
Apr-09	0.96	2.44	1.03	0.95	2.49	0.44	0.47	1.29	0.52	0.00	0.00	0.31	0.00	1.50	1.17
May-09	2.06	2.20	1.82	1.46	1.77	1.24	0.75	1.60	0.49	0.53	1.43	0.60	1.40	3.39	1.62
Jun-09	1.55	2.30	1.26	0.56	2.09	1.89	0.77	1.46	0.76	1.04	0.00	0.76	0.00	2.76	1.45
Jul-09	2.27	2.21	0.99	1.24	2.52	2.17	1.34	1.82	0.73	0.00	0.00	0.44	0.00	1.90	1.63
Aug-09	2.28	1.78	1.40	0.81	3.20	2.69	1.65	1.93	0.73	0.00	1.34	0.59	0.00	3.81	1.88
Sep-09	1.57	0.92	1.41	0.55	2.44	1.99	2.00	1.52	0.00	0.00	0.00	0.00	1.39	3.23	1.46
Oct-09	2.46	1.48	1.15	1.20	2.21	1.92	1.93	1.74	0.24	0.00	1.27	0.30	0.00	2.37	1.59
Nov-09	2.17	1.99	0.58	0.69	2.45	2.61	3.54	2.00	0.76	0.00	0.00	0.45	0.00	2.22	1.79
Dec-09	0.56	1.78	1.66	1.75	1.91	2.17	3.44	1.93	0.25	1.12	0.00	0.45	2.57	1.67	1.70
Jan-10	0.56	1.32	1.27	0.94	2.54	0.61	0.89	1.18	0.50	1.66	0.00	0.76	1.24	1.68	1.17
Feb-10	3.21	1.80	2.06	0.47	2.83	1.38	1.82	1.89	0.00	1.34	1.39	0.52	0.00	1.34	1.66
Mar-10	1.01	2.81	0.56	0.85	3.02	0.62	0.89	1.45	0.00	1.80	1.25	0.62	0.00	2.90	1.63

13-Month Trend of Type 1 Falls by Type of Care per 1,000 Days-of-Care



State Hospital Use of Seclusion
Civil and Forensic

Data on seclusion use for psychiatric reasons includes the civil and forensic populations and is reported for both monthly and yearly totals.

Table 14 **Hours of Seclusion Use, Monthly Totals for Past Year**

ABV	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Total
NOR							0.50			0.50			1.00
TOR			4.50								0.60		5.10
WAR				0.67	1.00		0.25			2.00		0.05	3.97
Total	0.00	0.00	4.50	0.67	1.00	0.00	0.75	0.00	0.00	2.50	0.60	0.05	10.07

Table 15 **Number of Seclusion Events, Monthly Totals for Past Year**

ABV	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Total
NOR	0	0	0	0	0	0	1	0	0	1	0	0	2
TOR	0	0	3	0	0	0	0	0	0	0	1	0	4
WAR	0	0	0	2	1	0	1	0	0	1	0	1	6
Total	0	0	3	2	1	0	2	0	0	2	1	1	12

State Hospital Use of Mechanical Restraint
Civil and Forensic

Data on mechanical restraint use for psychiatric reasons includes the forensic and civil populations and is reported for both monthly and yearly totals.

Table 16 **Total Hours of Mechanical Restraint Use by Hospital and Unit**
March 2010

ABV	WARD	Total Hrs
WER	34-4	1.42
NOR	10A2	1.00
NOR	51C1	0.47
Total		2.88

Table 17 **Hours of Mechanical Restraint Use, Monthly Totals for Past Year**

ABV	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Total
CLA	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.50	0.73	0.00	0.00	0.00	1.65
NOR	1.00	1.75	0.50	0.50	2.08	1.50	2.75	6.25	3.98	5.50	8.53	1.47	35.82
WAR	0.00	0.00	0.00	0.33	0.00	0.00	1.12	0.50	0.00	0.00	0.00	0.00	1.95
WER	11.45	0.83	2.00	3.00	8.00	4.82	3.90	0.93	3.08	0.00	0.25	1.42	39.68
Total	12.45	2.58	2.92	3.83	10.08	6.32	7.77	8.18	7.80	5.50	8.78	2.88	79.10

Table 18 **Number of Mechanical Restraint Events, Monthly Totals for Past Year**

ABV	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Total
CLA	0	0	1	0	0	0	0	1	1	0	0	0	3
NOR	1	4	1	1	4	1	4	6	6	6	7	2	43
WAR	0	0	0	1	0	0	2	1	0	0	0	0	4
WER	3	1	1	2	2	6	5	2	4	0	1	2	29
Total	4	5	3	4	6	7	11	10	11	6	8	4	79

State Hospital Use of Physical Restraint
Civil and Forensic

Data on physical restraint use for psychiatric reasons includes the civil and forensic populations and is reported for both monthly and yearly totals. Physical restraint events lasting less than 60 seconds are reflected as 0.00 hours.

Table 19 **Hours of Physical Restraint Use by Hospital & Unit**
March 2010

ABV	WARD	Total
TOR	072	1.083
TOR	023	1.067
WER	37-1	0.622
CLA	3	0.486
WER	34-4	0.311
DAN	310	0.300
DAN	312	0.250

ABV	WARD	Total
WAR	3SW	0.250
NOR	51C1	0.250
TOR	FB4	0.233
WER	35-4	0.225
NOR	10A2	0.208
NOR	10C1	0.167
TOR	014	0.167

ABV	WARD	Total
WAR	3NM	0.122
NOR	51A1	0.100
ALL	M3	0.083
NOR	51A2	0.050
WER	34-3	0.050
NOR	09CF	0.038
TOR	012	0.033

ABV	WARD	Total
WAR	FOR	0.033
CLA	7	0.033
CLA	6	0.017
WER	35-2	0.017
NOR	10A1	0.008
ALL	M5	0.008
NOR	51B2	0.008
DAN	311	0.001
Total		6.223

Table 20 **Hours of Physical Restraint Use, Monthly Totals for Past Year**

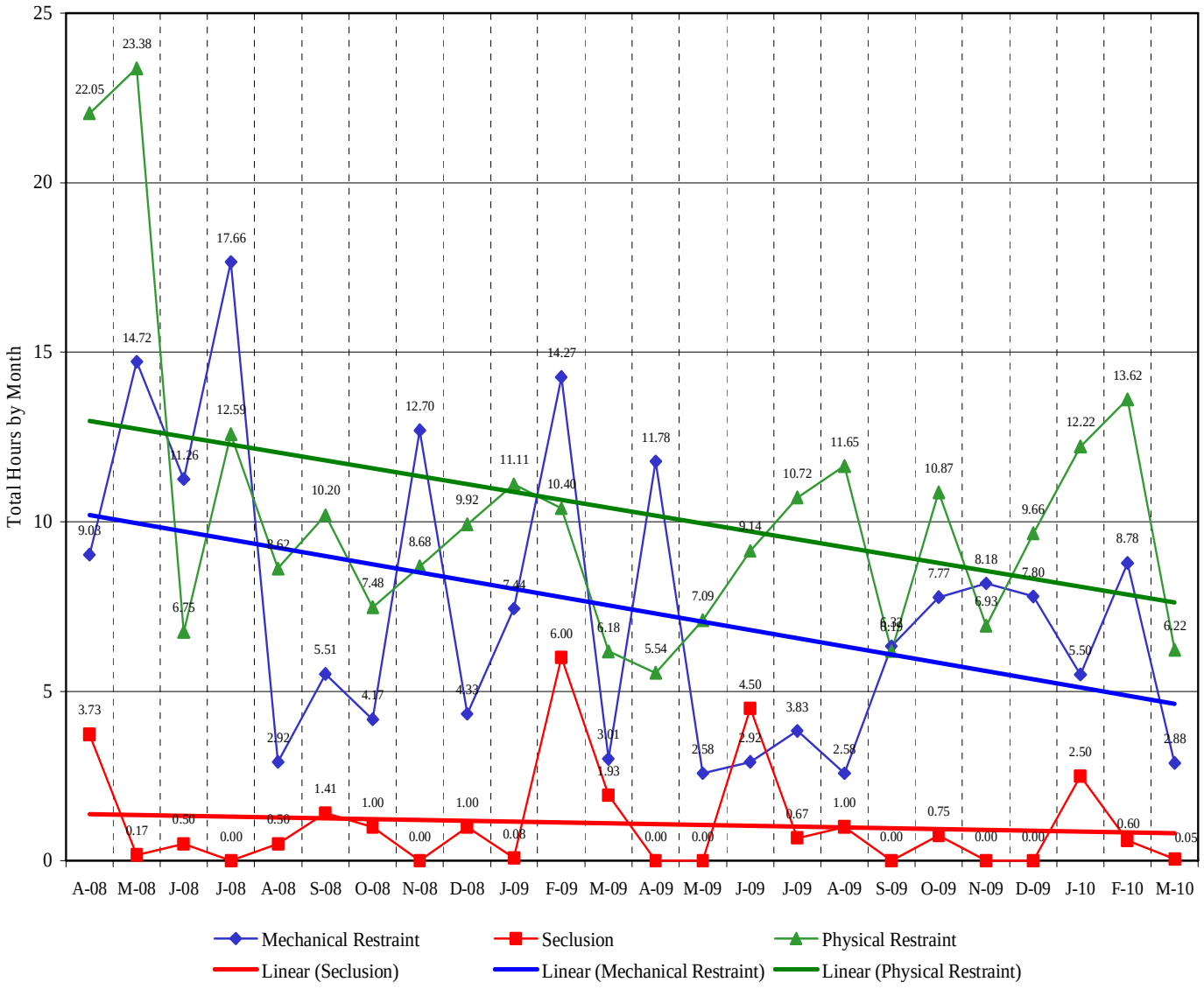
ABV	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Total
ALL	1.105	0.050	0.417	0.287	0.033	0.550	1.056	0.308	0.117	0.719	0.769	0.092	5.503
CLA	0.825	0.489	0.624	0.933	0.555	0.088	0.708	0.304	0.911	0.839	0.924	0.536	7.735
DAN	0.229	0.614	0.240	0.964	0.926	0.800	2.845	0.150	0.342	1.858	1.260	0.551	10.780
NOR	0.729	1.738	1.331	1.556	1.154	0.758	1.136	2.631	5.156	5.004	4.989	0.830	27.010
TOR	1.583	2.235	4.078	4.033	5.577	2.731	3.479	2.267	2.150	3.501	4.536	2.583	38.754
WAR	2.000	0.433	2.533	2.550	2.217	0.250	0.967	0.683	0.133	0.100	0.300	0.405	12.572
WER	0.239	1.533	0.167	0.394	1.190	1.013	0.950	0.583	1.007	0.199	0.839	1.225	9.338
Total	6.710	7.092	9.389	10.717	11.653	6.189	11.141	6.926	9.815	12.221	13.617	6.223	111.693

Table 21 **Number of Physical Restraint Events, Monthly Totals for Past Year**

ABV	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Total
ALL	7	1	8	8	2	12	9	4	3	6	4	2	66
CLA	14	11	11	9	16	2	13	6	13	10	16	9	130
DAN	10	11	8	13	18	16	33	8	4	9	7	6	143
NOR	21	36	22	31	25	19	23	27	43	33	32	14	326
TOR	21	19	34	25	39	21	20	11	16	32	15	19	272
WAR	5	4	11	20	13	4	8	8	3	3	4	7	90
WER	6	8	7	7	22	17	14	9	21	8	14	21	154
Total	84	90	101	113	135	91	120	73	103	101	92	78	1181

24-Month Trend of Mechanical Restraint, Physical Restraint and Seclusion Use

The following table represents the total hours of mechanical restraint use, physical restraint use and seclusion use for two years. This data includes the forensic and civil populations with the data being reported to the second and expressed below as a percentage of an hour.



Psychiatric Use of STAT Medications

Starting on March 1, 2004 the Civil and Forensic services of the hospital system began recording their daily use of psychiatric PRN and STAT medications administered each day. Following a 12-month review, the psychiatric use of PRN orders was discontinued at all hospitals on April 1, 2005. Medical uses of PRN and STAT med orders were not affected by this change. Effective July 1, 2007 any medication ordered by a physician to be given earlier than originally scheduled for psychiatric indications, is included in the STAT medication database. The following tables are taken from this database. Table 22 differentiates between STAT and early medications, while the other tables do not include early meds.

Table 22 **Count of STAT Medications Administered for Psychiatric Indications**

March-10	Civil												SRTP	Sys. Total
Unscheduled Psych Meds	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Total	SRTP	Total
Number of Unique Patients	15	40	31	49	51	43	40	269	23	13	10	46	5	320
% of Census	9.6%	18.1%	18.7%	21.7%	24.3%	27.0%	18.5%	19.9%	17.8%	23.6%	37.0%	21.8%	18.5%	20.1%
Number of Early Med Events	7	0	0	0	3	30	9	49	0	1	6	7	1	57
Number of STAT meds	27	99	114	197	264	127	156	984	69	27	26	122	48	1154
Rate per 1Kdays	6.87	14.64	21.20	27.79	42.42	32.27	24.54	24.56	17.33	16.79	40.05	20.00	57.71	24.53

Table 23 **STAT Use of Multiple Medications for Psychiatric Indications**

	Civil								Forensic			
STAT Use of Combo Meds	All	Cla	Dan	Nor	Tor	War	Wer	Cnt	Nor	Tor	War	Cnt
Chlorpromazine/Lorazepam	1	3	0	10	2	0	5	21	0	0	0	0
Haloperidol/Lorazepam	1	12	1	15	5	0	5	39	2	1	0	3
Olanzapine/Lorazepam	0	18	2	0	0	0	3	23	0	0	0	0
Quetiapine/Lorazapam	0	0	0	0	0	0	0	0	0	0	0	0
Use of 3 medications	0	0	0	0	0	0	0	0	0	0	0	0
Other Neuroleptic combos	0	0	1	7	2	0	2	12	1	0	0	1
Total	2	33	4	32	9	0	15	95	3	1	0	4

Table 24 **Psychiatric Use of STAT Medication by Hospital & Unit for March (Civil & Forensic Listed Highest to Lowest)**

ABV	UNIT	Count
TOR	023	82
TOR	014	63
NOR	10A2	61
DAN	312	59
TOR	022	57
TOR	071	48
WAR	3SW	43
CLA	3	41
NOR	10C1	40
WAR	3IM	39
WER	34-4	38
NOR	01C1	31
WER	35-3	30
WER	37-1	30
NOR	51A2	27

ABV	UNIT	Count
WER	34-3	27
WAR	FOR	26
TOR	021	23
DAN	310	23
CLA	6	21
NOR	09AF	20
TOR	024	20
CLA	7	18
NOR	01A1	18
WAR	3NM	17
TOR	FB4	17
NOR	10A1	16
WER	35-4	14
WER	35-2	14
NOR	51B2	13

ABV	UNIT	Count
CLA	2	12
WAR	IBE	12
NOR	51C2	12
NOR	09CF	11
WAR	2SW	11
DAN	311	11
TOR	013	10
DAN	212	10
ALL	M3	9
ALL	M5	9
TOR	FC2	8
DAN	211	7
NOR	51A1	7
NOR	51C1	7
TOR	011	6

ABV	UNIT	Count
ALL	M6	6
WAR	2NM	5
DAN	210	4
CLA	8	3
CLA	4	3
TOR	012	3
WER	34-2	3
NOR	51B1	3
ALL	2W	2
TOR	FC1	2
CLA	5	1
ALL	3W	1
Total		1154

Table 25 **Route of STAT Medications for Psychiatric Reasons for March**

Civil									Forensic				SRTP
Route	ALL	CLA	DAN	NOR	TOR	WAR	WER	Cnt	NOR	TOR	WAR	Cnt	SRTP
Not reported				2				2					SRTP
IM	12	43	26	93	192	39	44	449	30	14	3	47	17
Oral	15	56	88	102	72	87	112	532	39	13	23	75	31
Other						1		1					
Totals	27	99	114	197	264	127	156	984	69	27	26	122	48

Table 26 **Psychiatric Use of STAT Medications by Shift for March**

Civil					
ABV	0	1	2	3	Count
ALL		16	5	6	27
CLA		40	48	11	99
DAN		38	44	32	114
NOR	1	135	45	16	197
TOR		113	127	24	264
WAR		35	66	26	127
WER		64	65	27	156
Totals	1	441	400	142	984

Forensic				
ABV	1	2	3	Count
NOR	24	42	3	69
TOR	10	15	2	27
WAR	7	8	11	26
Totals	41	65	16	122
SRTP				
SRTP	11	36	1	48

Table 27 **Psychiatric Use of STAT Medications per 1,000 Days-of-Care**

Civil										Forensic					SRTP
Month	All	Cla	Dan	Nor	Tor	War	Wer	Total	Std Dev	Nor	Tor	War	Total	Std Dev	SRTP
Mar-09	7.40	22.85	20.71	13.61	23.85	32.50	21.82	20.08	8.41	8.34	25.32	32.54	19.81	10.21	15.47
Apr-09	12.13	15.72	26.48	16.91	30.17	27.13	18.52	20.59	7.63	9.02	25.16	26.53	15.75	8.26	10.14
May-09	7.50	16.98	29.32	22.95	24.46	22.15	25.33	21.29	7.88	22.87	15.47	11.48	19.58	4.95	16.83
Jun-09	8.32	17.51	21.63	20.95	24.17	28.72	23.50	20.68	7.25	16.24	27.98	24.93	20.60	5.12	20.81
Jul-09	5.42	13.26	25.65	27.25	37.72	47.11	18.22	24.40	14.37	20.42	25.42	40.90	24.15	9.04	30.86
Aug-09	6.26	15.89	30.40	29.57	25.79	49.24	26.56	25.99	13.75	12.71	20.40	84.68	22.83	33.30	41.04
Sep-09	9.61	12.11	29.86	23.37	28.36	29.87	30.43	23.32	9.68	10.86	18.11	42.36	16.63	13.94	12.50
Oct-09	11.76	14.23	40.47	20.65	43.53	25.19	22.81	25.22	12.73	13.64	7.99	35.58	14.63	12.11	23.55
Nov-09	15.21	13.47	28.79	23.52	25.98	37.99	20.14	23.15	9.34	10.36	9.51	25.30	11.81	7.43	21.80
Dec-09	8.79	13.95	24.02	29.67	34.07	23.88	27.06	23.44	9.58	18.36	15.70	51.98	21.72	16.87	30.85
Jan-10	13.67	10.15	20.94	36.72	40.68	23.07	12.49	22.88	12.11	14.25	34.31	39.70	22.83	11.44	74.63
Feb-10	6.21	13.38	27.13	30.29	40.98	30.25	21.83	24.45	12.04	14.84	6.04	33.24	14.87	11.44	23.72
Mar-10	6.87	14.64	21.20	27.79	42.42	32.27	24.54	24.56	12.04	17.33	16.79	40.05	20.00	11.09	57.71

Medication Measures

Beginning in September 2008 the OMHSAS Bureau of Community and Hospital Operations identified the following three medication measures for inclusion in this monthly report. The table information is complied from the QS1 pharmacy software and reflects the unique count of the number of people served at each hospital on the last day of the month for each measure.

Table 28 Benzodiazepines

Measure Definition: *Benzodiazepines refers to the number of unique patients served at each hospital, by level-of-care, who have an active, straight order for any benzodiazepine medication on the last day of each month.*

BZD	Civil								Forensic				SRTP	Sys
M/Y	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
Jun-09	120	143	94	108	92	99	96	752	31	28	16	75	3	830
Sep-09	128	139	93	115	89	102	91	757	31	18	19	68	3	828
Dec-09	142	140	97	119	80	98	101	777	30	18	15	63	3	843
Mar-10	139	145	99	114	88	83	93	761	35	17	16	68	3	832

Table 29 Multiple Atypicals

Measure Definition: *Multiple Atypicals refers to the number of unique patients served at each hospital, by level-of-care, who have an active, straight order for two or more atypical antipsychotic medications on the last day of each month.*

Multiple Atypicals	Civil								Forensic				SRTP	Sys
M/Y	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
Jun-09	4	18	19	16	47	60	23	187	3	1	2	6	0	193
Sep-09	1	12	31	20	40	49	30	183	2	2	1	5	0	188
Dec-09	4	18	38	16	50	57	45	228	4	2	4	10	0	238
Mar-10	3	17	34	23	50	55	53	235	4	8	7	19	0	254

Table 30 Typical-Atypical

Measure Definition: *Typical-Atypicals refers to the number of unique patients served at each hospital, by level-of-care, who have an active, straight order for a typical and an atypical antipsychotic medication on the last day of each month.*

Typical - Atypical	Civil								Forensic				SRTP	Sys
M/Y	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
Jun-09	51	51	54	99	43	34	58	390	30	20	3	53	0	443
Sep-09	51	71	51	108	47	39	65	432	31	20	2	53	0	485
Dec-09	57	68	50	105	39	40	73	432	28	18	3	49	0	481
Mar-10	47	68	61	79	41	37	74	407	20	18	3	41	0	448

Assaults

Assaults within the state hospital system are defined as any aggressive act by a patient, involving physical contact that may or may not result in injury. Assaults can be directed at a peer, staff or any other individual. The system was designed to require an incident report (form SI-815) on any patient involved in a physical altercation regardless of who may have started the assault. Therefore, every patient-to-patient altercation will result in at least two incident reports.

Table 31 **Patient-to-Patient Assaults by Unit, All Levels of Care**
March 2010

ABV	WARD	Cnt
TOR	023	27
NOR	01C1	21
CLA	3	17
WER	35-4	16
WER	37-1	15
NOR	51B2	14
TOR	022	13
NOR	10A2	11
NOR	09CF	11
ALL	M6	11
ALL	M5	10
CLA	2	8
WER	35-2	8
SMO	3B	8

ABV	WARD	Cnt
TOR	024	8
TOR	021	8
NOR	01A1	7
WER	34-4	6
WAR	3NM	6
CLA	7	6
DAN	212	6
ALL	M4	6
TOR	011	6
WER	34-2	5
NOR	10C1	5
SMO	5A	5
ALL	2W	5
NOR	51A1	4

ABV	WARD	Cnt
NOR	09AR	4
NOR	09AF	4
DAN	211	4
TOR	014	4
CLA	6	4
DAN	210	4
NOR	51C1	3
SMO	3A	3
TOR	012	2
ALL	3W	2
WER	35-3	2
WAR	IBE	2
WAR	FOR	2
TOR	FC1	2

ABV	WARD	Cnt
NOR	51B1	2
TOR	013	2
NOR	10A1	2
DAN	310	2
DAN	311	2
DAN	312	2
NOR	51C2	2
NOR	51A2	2
TOR	072	2
WAR	3IM	1
WER	34-3	1
Total		335

Note: Every Patient-to-Patient Assault accounts for at least 2-incident reports.

Table 32 **Rate of Patient-to-Patient Assaults Events with Patient Injury per 1,000 Days-of-Care**

	Civil								Forensic				SRTP
Pt.-to-Pt. Assault w/ any Injury	All	Cla	Dan	Nor	Tor	War	Wer	Avg.	Nor	Tor	War	Avg.	SRTP
Apr-09	2.12	1.07	0.83	3.65	1.82	1.31	1.71	1.88	1.80	3.67	2.65	2.45	n/a
May-09	1.87	1.17	1.21	3.98	2.90	1.03	1.80	2.10	2.70	2.13	2.87	2.56	n/a
Jun-09	0.97	1.23	1.26	2.93	1.77	0.21	0.93	1.41	2.79	2.59	5.87	3.05	4.35
Jul-09	1.57	1.18	1.57	4.40	2.52	0.59	0.90	1.91	1.70	2.60	0.00	1.77	0.00
Aug-09	3.03	2.23	1.20	3.90	2.08	3.08	1.50	2.47	3.91	3.14	1.34	3.41	0.00
Sep-09	1.57	0.77	0.61	2.06	2.12	1.99	1.69	1.57	2.53	0.00	2.57	1.81	0.00
Oct-09	2.09	0.89	1.34	2.40	2.80	1.54	1.18	1.77	3.90	0.00	2.54	2.66	2.69
Nov-09	1.78	1.22	2.72	2.08	1.14	1.61	1.38	1.68	1.52	0.53	0.00	1.06	1.36
Dec-09	1.12	0.89	1.66	3.22	1.91	1.58	0.90	1.65	3.46	0.56	1.24	2.41	0.00
Jan-10	3.00	1.18	2.18	3.22	0.48	0.61	1.19	1.72	1.25	0.00	1.24	0.91	1.24
Feb-10	1.50	0.82	0.62	1.58	1.77	1.60	0.99	1.26	2.85	0.67	0.00	1.92	0.00
Mar-10	2.42	1.18	0.74	2.40	3.50	0.41	1.34	1.76	2.67	0.60	0.00	1.86	0.00

Table 33 **Patient-to-Staff Assault Events by Unit, All Levels of Care**

ABV	WARD	Cnt
WER	35-2	14
CLA	3	10
WER	34-2	7
DAN	312	7
WER	37-1	6
WER	35-4	5
WER	34-3	5
NOR	10A2	5
WAR	3NM	5
TOR	022	4
TOR	072	4

ABV	WARD	Cnt
SMO	3B	3
NOR	09CF	3
ALL	M6	3
NOR	01A1	2
NOR	10A1	2
NOR	10C1	2
SMO	6B	2
CLA	7	2
WAR	3IM	2
WAR	3SW	2
WER	34-4	2

ABV	WARD	Cnt
DAN	310	1
DAN	210	1
NOR	01C1	1
NOR	09AR	1
CLA	6	1
NOR	51A1	1
NOR	51A2	1
NOR	51B2	1
ALL	M4	1
NOR	51C2	1
TOR	011	1

ABV	WARD	Cnt
TOR	014	1
TOR	021	1
TOR	023	1
TOR	024	1
TOR	FB4	1
WAR	2SW	1
NOR	51C1	1
Total		115

Table 34 **Rate of Patient-to-Staff Assault Events with Injury to Staff per 1,000 Days-of-Care**

	Civil								**Forensic**				**SRTP**
Pt/Staff Assault w/ Staff Inj per 1K days	All	Cla	Dan	Nor	Tor	War	Wer	Avg	Nor	Tor	War	Avg	SRTP
Mar-09	0.00	0.59	0.61	0.53	0.16	0.62	0.76	0.47	0.25	1.15	0.00	0.45	n/a
Apr-09	1.93	0.61	0.41	0.41	0.33	0.22	1.09	0.71	0.00	0.52	0.00	0.15	n/a
May-09	0.37	0.44	0.81	0.53	0.16	0.41	1.50	0.61	0.49	0.00	0.00	0.30	n/a
Jun-09	0.19	0.15	0.84	0.84	0.16	0.21	0.77	0.46	0.51	0.52	0.00	0.46	1.45
Jul-09	0.52	0.88	0.99	0.55	0.79	0.00	1.64	0.79	0.00	0.00	1.32	0.15	1.40
Aug-09	0.57	0.30	1.20	0.94	0.32	0.58	1.50	0.78	0.49	0.00	4.03	0.74	1.37
Sep-09	1.76	0.00	0.20	0.55	0.49	0.60	1.08	0.65	0.25	0.00	0.00	0.15	2.78
Oct-09	1.33	0.44	0.95	0.53	0.63	0.77	0.30	0.67	0.24	0.53	0.00	0.30	1.34
Nov-09	0.79	0.15	1.56	0.14	0.49	0.40	1.08	0.63	0.25	0.00	0.00	0.15	0.00
Dec-09	1.31	0.30	1.48	0.81	0.77	0.20	0.60	0.76	1.73	0.00	0.00	1.05	0.00
Jan-10	2.62	1.03	0.55	2.81	1.75	1.01	0.74	1.53	3.50	3.32	1.24	3.18	3.73
Feb-10	0.43	1.14	0.41	0.79	0.53	0.00	0.66	0.60	1.43	0.00	0.00	0.87	0.58
Mar-10	0.81	0.44	0.56	0.28	0.48	0.41	2.23	0.76	0.50	0.00	0.00	0.31	0.00