



Office of Mental Health & Substance Abuse Services
Bureau of Community & Hospital Operations

State Hospital Risk Management Summary Report
For July 2010

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PA DPW, Bureau of Community & Hospital Operations
August 24, 2010

On the Internet: <http://www.dpw.state.pa.us/PartnersProviders/MentalHealthSubstanceAbuse/StateHospitals/>

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Introduction

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.

State Hospital Risk Management Summary Report July 2010

During **July** a total of 1382 incident reports were completed by the state hospital system, which is an increase in such reports from the previous month. Additional records addressing specific categories from the previous month were included on page 4 of this report. Other tables in this report may include additional NRI events regarding these incident reports. The following is a breakdown of incidents by individual facility and type of care:

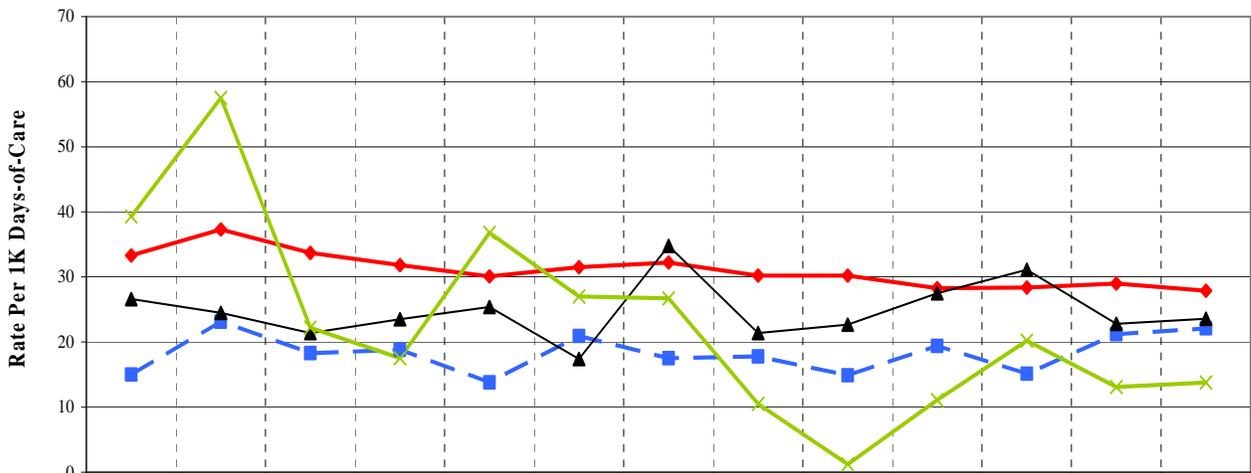
Table 1

July 2010

Civil	Census 7/31/10	Days Provided	Incidents	Per 1000 Days-of-Care
Allentown	78	2511	69	27.5
Clarks Summit	220	6877	129	18.8
Danville	179	5439	135	24.8
Norristown	227	6896	176	25.5
Torrance	202	6061	249	41.1
Warren	160	5103	160	31.4
Wernersville	265	8088	226	27.9
Total Civil	1331	40975	1144	27.9
Forensic				
Norristown	130	4060	86	21.2
Torrance	63	1998	52	26.0
Warren	25	772	13	16.8
Total Forensic	218	6830	151	22.1
Act 21				
Act 21	28	868	12	13.8
Total Act 21	28	868	12	13.8
Long Term Care				
South Mountain	134	4109	97	23.6
Total L. T. C.	134	4109	97	23.6
Total	1711	52782	1404	26.6

* Based on data appended on 8/23/2010

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



	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10
—◆— Civil	33.3	37.3	33.7	31.8	30.1	31.5	32.2	30.2	30.2	28.3	28.3	29	27.9
—■— Forensic	15	23.1	18.3	18.8	13.8	20.9	17.5	17.8	14.9	19.4	15.1	21.2	22.1
—▲— Long Term Care	26.6	24.5	21.4	23.5	25.4	17.4	34.8	21.4	22.7	27.5	31.1	22.8	23.6
—×— Act 21	39.3	57.5	22.2	17.5	36.8	27.0	26.7	10.5	1.2	11.1	20.2	13.1	13.8

**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	2/10	3/10	4/10	5/10	6/10	7/10
Total number of reported airway obstructions or choking incidents at all facilities (Type 1 & 2):	10	8	11	11	7	3
Total number of AWOL's & UA's all facilities:	33	31	44	41	51 (+)	34
Total number of falls (Type 1 & 2) at all facilities:	193	186	196	200 (+)	207 (+)	204
Total number of reported falls involving consumers age 65 or older:	50	44	56	29	44	43
Total number of reported falls involving consumers age 75 or older:	11	13	26	7	14	15
Total number of reported fire setting events:	0	0	0	1	0	0
Total number of reported incidents involving a bone fracture:	6	2	6	1	2	2
Total number of reported deaths for this report period:	9	3	6	7	2	2
Total number of reported incidents involving a burn or scald:	6	1	6	3	2	0
Total number of reported incidents involving a cut or laceration requiring sutures, steri-strips or glue:	18	9	8	14	17	9
Total number of reported incidents of patient-to-patient assault (see note below):	232	335	285	322 (+)	307 (+)	331
Total number of reported incidents of patient-to-staff assaults:	100	115	81	78 (+)	100 (+)	85
Total number of reported incidents involving alleged abuse:	20	18	15	9	10 (-)	13
Total percentage for the month of reported incidents involving no physical injury to the Patient:	67%	70%	67%	68%	70%	67%
Total incidents of physical restraint used for the month:	92	78	85	90	111	90
Total hours of physical restraint used for the month:	13.617	6.223	8.518	13.69	11.41	11.57
Incidents of mechanical restraint use for the month:	8	4	3	6	2	4
Total hours of mechanical restraint used for the month:	8.78	2.88	2.00	3.00	5.40	3.08
Total reported incidents involving the use of seclusion:	1	1	0	2	0	0
Total hours of seclusion used for the month:	.60	.05	0	1.00	0	0
Total number of reported incidents coded as Nonconsensual Sexual Activity:	6	10	0	0	6	6
Total number of reported incidents of attempted suicide:	3	3	2	3	3	1
Total number of reported incidents involving the threat or plan of suicide:	4	14	9	10	7	13
Total number of reported incidents of illicit drug use/possession:	2	1	6	6	2	2
Total number of medication errors:	45	37	61	45 (+)	32 (+)	36
Total number of STAT medications administered for psychiatric indications:	998	1154	872 (+)	1101 (+)	1004	1102

***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**
July 2010

Primary Cat #	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Accident-Injury		6	3	4	4	3	4	24
Aggression	9	14	4	27	47	34	29	164
Airway Obstruction type 1 Intervention					1			1
Airway Obstruction type 2 No Intervention			1					1
Alleged Nonconsensual Sexual Activity				6				6
Alleged Pt. Abuse	1	3		2	1	1		8
Assault, Pt./Pt	18	36	26	42	51	27	58	258
Assault, Pt./Staff		5	7	12	4	19	19	66
AWOL/UA		3		1	5		2	11
AWOL-Attempt		1		4				5
AWOL-Late			5	2	5	3	3	18
Change in Medical Status-Stabilized			2	6	3	1		12
Change in Medical Status-Transferred	2	5	2	12	4	4	9	38
Charged post admit/crime committed prior to admit		1						1
Charged with alleged crime off hospital grounds			1					1
Charged with alleged crime on hospital grounds						2	1	3
Communications Sys. Misuse		1	3	1	2			7
Community Incident			1	1				2
Contraband Possession			2	3	2		1	8
Fall Type 1-Injury with treatment	8	16	8	6	21	7	8	74
Fall Type 2-No treatment needed	4	12	9	7	23	14	32	101
Family Concern					2		2	4
Illicit Substance Use/Possession					2			2
Indeterminate/Unconfirmed Cause of Injury	1	8	9	3	10		6	37
Medication Error		4	5	2	1	3	2	17
Missing Property	4	1	2		1	1	3	12
Other	15	4	4	10	21	17	17	88
Procedural Treatment Error	3			2				5
Property Damage			4	4	4	2		14
Seizure	1					5	2	8
Self-Injurious behavior	3	6	34	8	30	12	8	101
Sexual Behavior				2	2	4	7	15
Smoking Violation		1	2	3	1		4	11
Suicide Attempt					1			1
Suicide threat/plan		2		3	1	1	3	10
Theft				3			4	7
Unsubstantiated Nonconsensual Sexual Activity							2	2
Unsubstantiated Patient Abuse			1					1
Totals	69	129	135	176	249	160	226	1144

Table 3

**Primary Effect of Incidents in the Civil Hospitals
July 2010**

Primary effect	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Abrasion/scrape/scratch/hematoma	3	24	24	9	34	11	16	121
Allergic reaction					1			1
Bite-Human				3				3
Bite-Insect			2			1		3
Blister		2	1	1	1			5
Body System Illness		1		2		2	1	6
Bruise/contusion/discoloration	4	7	8	4	6	5	9	43
Cellulitis		1		4				5
Damaged or lost tooth		1						1
Dislocation							1	1
Edema/swelling	1	2		6	7	2	1	19
Emesis			1				1	2
Epistaxis		1	1			1		3
Erythema/redness	2			5	14	1	4	26
Fever					1			1
Fracture		2						2
Ingestion of foreign body	1			3	4			8
Laceration: NO sutures/staples/steri-strips	2	4	3	7	3	5	1	25
Laceration: with steristrips/glue		1						1
Laceration: with sutures/staples		3			2			5
Lethargy				1		1		2
Muscle pull/strain/sprain			1			2		3
No Injury/NA	40	73	87	113	157	126	173	769
Other			2	6	8	1	4	21
Pain unspecified				1				1
Pain, Specified	5	4	1	6	7	2	13	38
Respiratory Distress				2	1		1	4
Seizure	11	1			1			13
Skin Irritation/Rash			2		2			4
Sunburn				1				1
Syncopal episode		2	2	2				6
Unconscious/Unresponsive							1	1
Totals	69	129	135	176	249	160	226	1144

**Cause and Effect of Incidents in the Forensic Units
Category or Cause of Incidents in the Forensic Service by Unit**

Table 4

Primary Cat #	51A1	51A2	51B1	51B2	51C1	51C2	FB4	FC1	FC2	FOR	Count
Accident-Injury	2					1		1			4
Adverse Drug Reaction	1				1						2
Aggression	2	2	2	1	1	2	16	1			27
Alleged Pt. Abuse			1		1	1					3
Assault, Pt./Pt	6	4	11	9	4	8	13			6	61
Assault, Pt./Staff	4		1	1	1	1	4				12
Change in Medical Status-Stabilized	1				1	1	1	1			5
Change in Medical Status-Transferred					1	1	1				3
Community Incident		1				1					2
Contraband Possession										1	1
Fall Type 1-Injury with treatment				1	1	1				1	4
Fall Type 2-No treatment needed	1		1		1			1	1	1	6
Indeterminate/Unconfirmed Cause of Injury							1			1	2
Medication Error							1			1	2
Other	2						2			1	5
Seizure		2									2
Self-Injurious behavior						1	4			1	6
Sexual Behavior							1				1
Suicide threat/plan							2		1		3
Totals	19	9	16	12	12	18	46	4	2	13	151

Table 5

Effect of Incidents in the Forensic Service by Unit

EFFECT	51A1	51A2	51B1	51C1	51C2	51B2	FB4	FC1	FC2	FOR	Count
Abrasion/scrape/scratch/hematoma		1	2	1	2	2	2			2	12
Body System Illness				1							1
Bruise/contusion/discoloration	1		1	2	2		1			1	8
Damaged or lost tooth					1		1				2
Epistaxis	1										1
Erythema/redness	1	2					2				5
Laceration: NO sutures/staples/steri-strips	2		1					1		1	5
Laceration: with steristrips/glue					1						1
No Injury/NA	11	4	12	6	10	9	39	2	2	9	104
Other	1			1			1	1			4
Pain, Specified	2			1	2	1					6
Skin Irritation/Rash		1									1
Unconscious/Unresponsive		1									1
Totals	19	9	16	12	18	12	46	4	2	13	151

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

Table 6 Cause of Incidents in the Long Term Care Facility

Cause	3A	3B	5A	6A	6B	Count
Accident-Injury	5	1	1	4		11
Aggression	4		3			7
Alleged Pt. Abuse				1	1	2
Assault, Pt./Pt	1	8			3	12
Assault, Pt./Staff		2	1		1	4
Change in Medical Status-Stabilized		2				2
Change in Medical Status-Transferred		1		1	1	3
Fall Type 1-Injury with treatment	1	5	1			7
Fall Type 2-No treatment needed		6		2		8
Medication Error	1	2	8	2	3	16
Near Fall		1				1
Other	4	4	3		2	13
Procedural Treatment Error		1	1			2
Property Damage		1				1
Self-Injurious behavior		2	3			5
Smoking Violation		3				3
Totals	16	39	21	10	11	97

Table 7 Effect of Incidents in the Long Term Care Facility

EFFECT	3A	3B	5A	6A	6B	Count
Abrasion/scrape/scratch/hematoma	4	5	2			11
Bite-Insect	1					1
Blister		1				1
Bruise/contusion/discoloration	4	2	3	3		12
Death					2	2
Epistaxis		1				1
Erythema/redness			1			1
Laceration: NO sutures/staples/steri-strips		2				2
Laceration: with steristrips/glue				1		1
Lethargy		1				1
No Injury/NA	7	24	15	5	9	60
Pain unspecified		1				1
Pain, Specified		1		1		2
Syncopal episode		1				1
Totals	16	39	21	10	11	97

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
Accident-Injury	3	3
Aggression	2	2
Assault, Pt./Staff	2	2
Fall Type 1-Injury with treatment	2	2
Indeterminate/Unconfirmed Cause of Injury	1	1
Other	2	2
Totals	12	12

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

Primary effect	TOR	Count
Abrasion/scrape/scratch/hematoma	3	3
Bite-Insect	1	1
Edema/swelling	1	1
Muscle pull/strain/sprain	1	1
No Injury/NA	4	4
Pain, Specified	2	2
Totals	12	12

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).

Table 10 Civil and Long Term Care Tobacco Users on Last Day of Month

Date	Tobacco Use	ALL	CLA	DAN	NOR	TOR	WAR	WER	Civil Total	LTC	System Total
Oct-09	Total Users	104	134	82	162	101	97	121	801	14	815
	% of Census	62%	61%	49%	67%	47%	58%	56%	57%	10%	53%
Jan-10	Total Users	102	133	83	160	111	95	118	802	18	820
	% of Census	60%	60%	48%	67%	54%	61%	55%	58%	13%	54%
Apr-10	Total Users	NR	138	79	150	113	104	120	704	15	719
	% of Census	n/a	63%	47%	67%	55%	63%	54%	52%	11%	43%
Jul-10	Total Users	0	140	82	138	106	89	158	713	19	732
		0%	64%	46%	61%	52%	56%	60%	54%	14%	50%

Table 11 Diabetes

M/Year	Civil Hospitals								Forensic Centers				A21	LTC	Sys
	All	Cla	Dan	Nor	Tor	War	Wer	Ttl	Nor	Tor	War	Total	A21	SMRC	
July 10 Patient Census	78	220	179	227	202	160	265	1331	130	63	25	218	28	134	1711
July 10 Count	23	37	32	59	47	34	59	291	10	6	1	17	0	41	349
% w/ Diabetes	29%	17%	18%	26%	23%	21%	22%	22%	8%	10%	4%	8%	0%	31%	20%

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 July 2010

Primary effect	ALL	CLA	DAN	NOR	SMO	TOR	WAR	WER	Count
Body System Illness		1		3			2	1	7
Bruise/contusion/discoloration	1							1	2
Cellulitis				4					4
Dislocation								1	1
Edema/swelling				2					2
Emesis								1	1
Fever							1		1
Fracture		1							1
Ingestion of foreign body				2					2
Laceration: NO sutures/staples/steri-strips				2			1		3
Lethargy						1	1		2
No Injury/NA	1			1	1	1	1	2	7
Other				3		3	1	2	9
Pain unspecified				1					1
Pain, Specified		1	1	3	1	1	1	7	15
Respiratory Distress				2				1	3
Seizure	2	1				1			4
Skin Irritation/Rash			1						1
Syncopal episode		2	1						3
Unconscious/Unresponsive				1					1
Totals	4	6	3	24	3	7	7	16	70

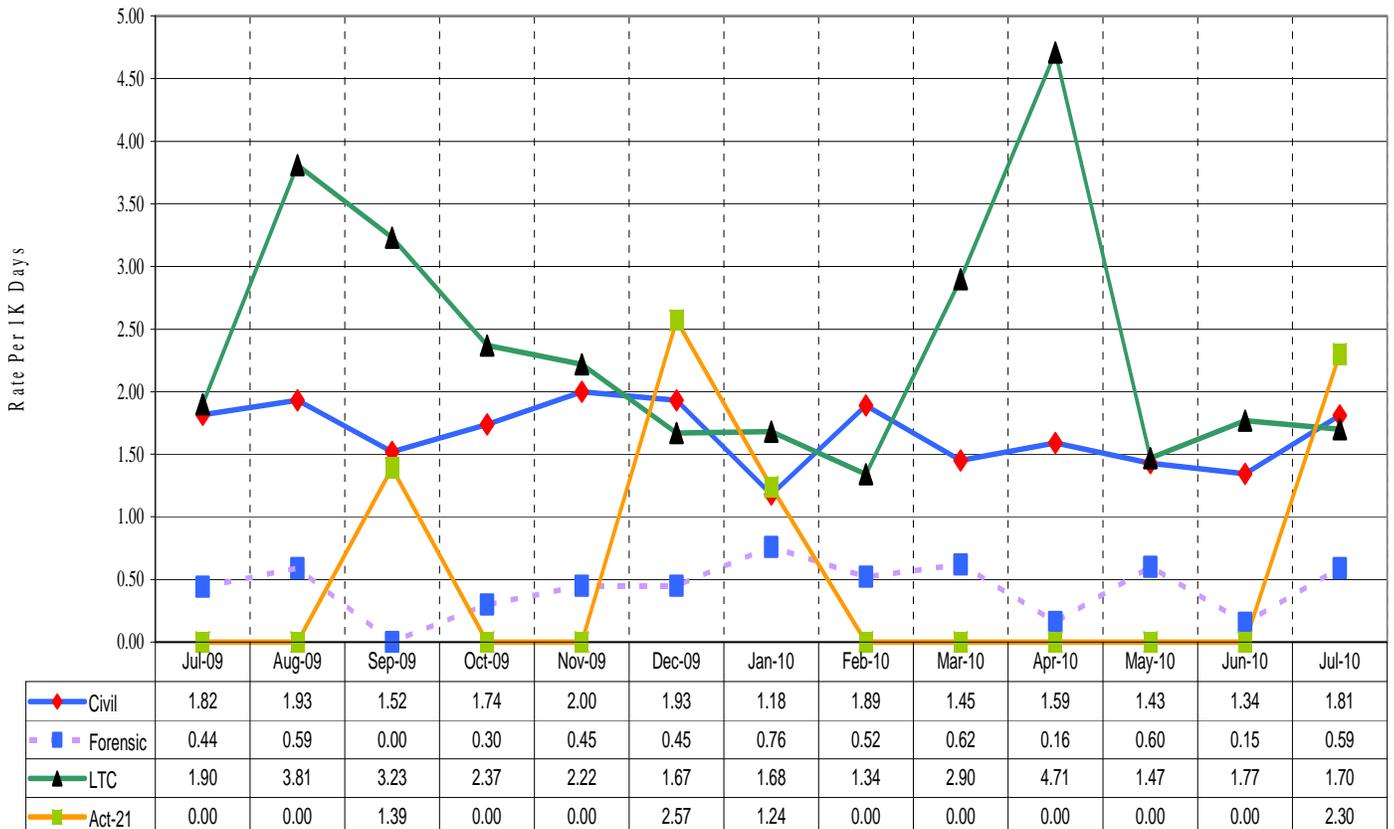
Falls

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

M/Year	Civil Hospital								Forensic Center				A21	LTC	Sys Avg
	All	Cla	Dan	Nor	Tor	War	Wer	Ttl	Nor	Tor	War	Total	A21	SMRC	
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
Apr-10	1.73	1.66	1.98	1.92	1.69	0.83	1.24	1.59	0.00	0.00	1.31	0.16	0.00	4.71	1.63
May-10	0.81	1.46	1.32	0.87	2.13	1.42	1.76	1.43	0.49	1.11	0.00	0.60	0.00	1.47	1.59
Jun-10	0.75	1.81	1.55	1.63	1.75	0.41	1.04	1.34	0.00	0.56	0.00	0.15	0.00	1.77	1.65
Jul-10	3.19	2.33	1.47	0.87	3.46	1.37	0.99	1.81	0.74	0.00	1.30	0.59	2.30	1.70	1.65

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	Total	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10
NOR	1.00			0.50			0.50						
TOR	1.10							0.60			0.50		
WAR	3.80	1.00		0.25			2.00		0.05		0.50		

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

ABV	Total	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10
NOR	2	0	0	1	0	0	1	0	0	0	0	0	0
TOR	2	0	0	0	0	0	0	1	0	0	1	0	0
WAR	5	1	0	1	0	0	1	0	1	0	1	0	0

**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
July 2010**

ABV	WARD	Total Hrs
NOR	10C1	1.75
WER	37-2	0.75
WAR	3SW	0.58

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

ABV	Total	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10
CLA	1.63	0.00	0.00	0.00	0.50	0.73	0.00	0.00	0.00	0.00	0.00	0.40	0.00
NOR	39.90	2.08	1.50	2.75	6.25	3.98	5.50	8.53	1.47	0.00	1.08	5.00	1.75
WAR	2.20	0.00	0.00	1.12	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58
WER	27.07	8.00	4.82	3.90	0.93	3.08	0.00	0.25	1.42	2.00	1.92	0.00	0.75

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

ABV	Total	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10
CLA	3	0	0	0	1	1	0	0	0	0	0	1	0
NOR	40	4	1	4	6	6	6	7	2	0	2	1	1
WAR	5	0	0	2	1	0	0	0	0	0	0	0	2
WER	30	2	6	5	2	4	0	1	2	3	4	0	1

**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**
July 2010

ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total
TOR	FB4	4.72	DAN	310	0.13	CLA	2	0.03
TOR	014	1.57	TOR	021	0.13	NOR	09AR	0.03
TOR	023	1.15	NOR	10C1	0.12	ALL	M6	0.03
CLA	3	0.79	WER	34-4	0.12	NOR	51B1	0.03
WER	37-2	0.60	DAN	312	0.08	NOR	51B2	0.03
TOR	064	0.50	NOR	10A2	0.08	NOR	09AF	0.02
WER	34-3	0.33	WER	35-2	0.08	NOR	51C2	0.02
TOR	062	0.33	TOR	011	0.08	NOR	09CF	0.01
NOR	51A1	0.33	CLA	7	0.03	DAN	212	0.01
WAR	3SW	0.13	DAN	210	0.03	WER	35-4	0.004

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

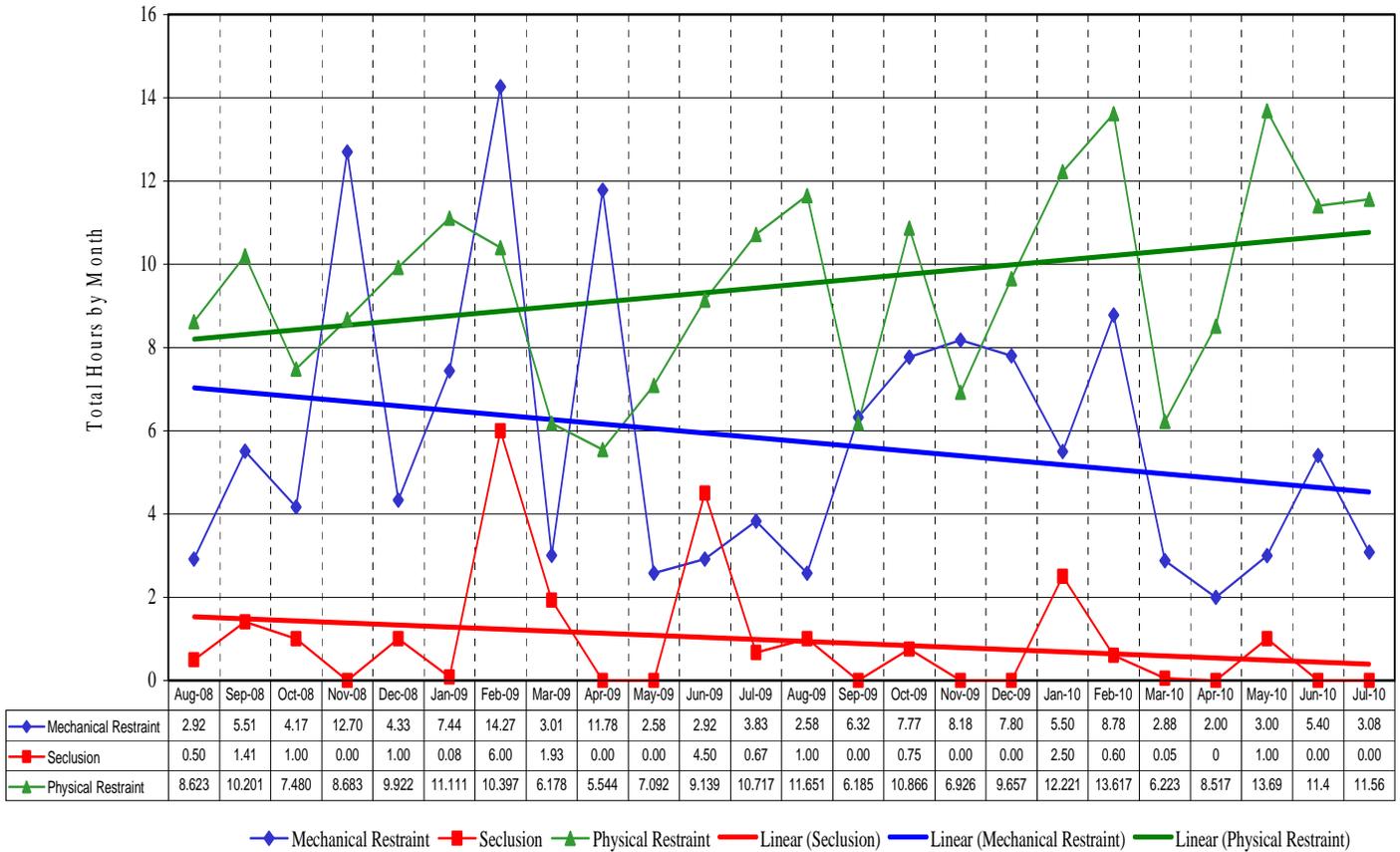
ABV	Total	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10
ALL	4.00	0.03	0.55	1.06	0.31	0.12	0.72	0.77	0.09	0.00	0.04	0.28	0.03
CLA	8.56	0.55	0.09	0.71	0.30	0.91	0.84	0.92	0.67	0.45	1.06	1.19	0.85
DAN	11.23	0.93	0.80	2.85	0.15	0.34	1.86	1.26	0.55	0.14	0.95	1.15	0.26
NOR	25.15	1.15	0.76	1.14	2.63	5.16	5.00	4.99	0.83	0.98	0.71	1.13	0.67
TOR	50.12	5.58	2.73	3.48	2.27	2.15	3.50	4.54	2.93	2.08	6.01	6.37	8.48
WAR	8.14	2.22	0.25	0.97	0.68	0.13	0.10	0.30	0.41	2.43	0.17	0.35	0.13
WER	16.43	1.19	1.01	0.95	0.58	1.01	0.20	0.84	1.22	2.43	4.85	1.02	1.14

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

ABV	Total	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10
ALL	48	2	12	9	4	3	6	4	2	0	2	2	2
CLA	134	16	2	13	6	13	10	16	10	10	12	16	10
DAN	135	18	16	33	8	4	9	7	6	5	14	10	5
NOR	303	25	19	23	27	43	33	32	14	30	12	25	20
TOR	298	39	21	20	11	16	32	15	22	13	27	40	42
WAR	66	13	4	8	8	3	3	4	7	7	3	4	2
WER	193	22	17	14	9	21	8	14	21	20	23	15	9

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**

July-10	Civil								Forensic				SRTP	Sys.
Unscheduled Psych Meds	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Total	SRTP	Total
Number of Unique Patients	8	35	34	51	48	49	31	256	25	13	13	51	5	312
% of Census	10.3%	15.9%	19.0%	22.5%	23.8%	30.6%	11.7%	19.2%	19.2%	20.6%	52.0%	23.4%	17.9%	19.8%
Number of Early Med Events	4	1	1	0	11	41	5	63	0	5	14	19	0	82
Number of STAT meds	17	110	94	141	238	248	72	920	62	83	21	166	16	1102
Rate per 1Kdays	6.77	16.00	17.28	20.45	39.27	48.60	8.90	22.45	15.27	41.54	27.20	24.30	18.43	22.64

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

Jul-10	Civil								Forensic			
STAT Use of Combo Meds	All	Cla	Dan	Nor	Tor	War	Wer	Cnt	Nor	Tor	War	Cnt
Chlorpromazine/Lorazepam	0	5	0	2	0	0	2	9	2	0	0	2
Haloperidol/Lorazepam	0	11	0	15	0	4	0	30	0	1	0	1
Olanzapine/Lorazepam	0	14	0	0	0	0	1	15	0	0	0	0
Quetiapine/Lorazepam	0	2	0	0	0	0	0	2	0	0	0	0
Use of 3 medications	0	0	0	0	0	0	0	0	0	0	1	1
Other Neuroleptic combos	0	2	0	1	0	3	0	6	1	1	0	2
Total	0	34	0	18	0	7	3	62	3	2	1	6

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

ABV	UNIT	Count									
WAR	3SW	125	WAR	FOR	21	ALL	M3	9	NOR	09CF	5
TOR	014	122	TOR	022	20	NOR	51A2	9	WER	35-4	4
TOR	FB4	78	NOR	51C2	20	ALL	M6	8	WAR	2NM	4
WAR	3IM	57	NOR	01C1	19	WER	34-3	8	TOR	064	4
TOR	023	44	DAN	212	17	DAN	311	8	CLA	8	3
NOR	09AF	38	WAR	IBE	17	WAR	2SW	8	NOR	51C1	3
WAR	3NM	36	CLA	3	17	NOR	51B1	8	TOR	FC1	3
DAN	310	34	CLA	5	16	DAN	210	7	TOR	024	3
CLA	7	34	NOR	51A1	16	NOR	51B2	6	TOR	012	2
NOR	10A2	29	WER	37-1	15	WER	35-3	6	NOR	10C1	2
TOR	021	29	TOR	013	13	WER	37-2	6	TOR	FC2	2
WER	34-4	26	TOR	062	12	CLA	4	5	WAR	IBG	1
NOR	01A1	24	NOR	09AR	12	DAN	211	5	WER	37-3	1
CLA	2	24	NOR	10A1	12	TOR	011	5	WER	35-2	1
DAN	312	23	CLA	6	10	WER	34-2	5	CLA	1	1

Table 25

Route of STAT Medications for Psychiatric Reasons for July

Civil									Forensic				S RTP
Route	ALL	CLA	DAN	NOR	TOR	WAR	WER	Cnt	NOR	TOR	WAR	Cnt	S RTP
IM	14	44	19	91	151	102	16	437	32	66	0	54	4
Oral	3	66	75	50	87	146	56	483	30	17	21	53	12
Totals	17	110	94	141	238	248	72	920	62	83	21	166	16

Table 26

Psychiatric Use of STAT Medications by Shift for June

Civil								
ABV	D	E	N	Count				
ALL	7	6	4	17	Forensic			
CLA	47	54	9	110	D	E	N	Count
DAN	34	38	22	94	30	25	7	62
NOR	75	49	17	141	33	47	3	83
TOR	57	163	18	238	10	10	1	21
WAR	77	129	42	248	S RTP			
WER	29	30	13	72	2	14	0	16
Totals	326	469	125	920				

Table 27

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

Civil										Forensic					S RTP
Month	All	Cla	Dan	Nor	Tor	War	Wer	Ave.	Std Dev	Nor	Tor	War	Ave.	Std Dev	S RTP
Jul-09	5.42	13.26	25.65	27.25	37.72	47.11	18.22	24.95	14.28	20.42	25.42	40.90	28.91	10.68	30.86
Aug-09	6.26	15.89	30.40	29.57	25.79	49.24	26.56	26.24	13.32	12.71	20.40	84.68	39.26	39.52	41.04
Sep-09	9.61	12.11	29.86	23.37	28.36	29.87	30.43	23.37	8.90	10.86	18.11	42.36	23.78	16.50	12.50
Oct-09	11.76	14.23	40.47	20.65	43.53	25.19	22.81	25.52	12.22	13.64	7.99	35.58	19.07	14.57	23.55
Nov-09	15.21	13.47	28.79	23.52	25.98	37.99	20.14	23.59	8.41	10.36	9.51	25.30	15.06	8.88	21.80
Dec-09	8.79	13.95	24.02	29.67	34.07	23.88	27.06	23.06	8.84	18.36	15.70	51.98	28.68	20.22	30.85
Jan-10	13.67	10.15	20.94	36.72	40.68	23.07	12.49	22.53	12.02	14.25	34.31	39.70	29.42	13.41	74.63
Feb-10	6.21	13.38	27.13	30.29	40.98	30.25	21.83	24.30	11.62	14.84	6.04	33.24	18.04	13.88	23.72
Mar-10	6.87	14.64	21.20	27.79	42.42	32.27	24.54	24.25	11.62	17.33	16.79	40.05	24.72	13.28	57.71
Apr-10	5.63	10.88	19.20	23.79	25.71	27.26	17.79	18.61	7.97	17.64	24.29	40.74	27.56	11.89	19.36
May-10	8.66	13.83	26.27	20.19	27.31	38.39	20.89	22.22	9.69	11.32	35.58	65.53	37.48	27.15	22.16
Jun-10	4.49	16.16	20.49	26.00	25.07	28.17	17.85	19.75	8.04	11.38	48.60	48.42	36.13	21.44	22.16
Jul-10	6.77	16.00	17.28	20.45	39.27	48.60	8.90	22.47	15.64	15.27	41.54	27.20	28.00	13.15	22.64

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 compiled 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				S RTP	Sys
M/Y	All	Cl a	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
Oct-09	132	138	94	120	97	101	94	776	27	17	16	60	3	839
Jan-10	144	141	99	117	78	97	96	772	30	16	17	63	3	838
Apr-10	132	147	99	115	104	84	98	779	37	15	18	70	3	852
Jul-10	90	152	96	122	87	86	171	804	34	17	12	63	3	870

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				S RTP	Sys
M/Y	All	Cl a	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
Oct-09	0	15	31	17	49	57	43	212	3	4	3	10	0	222
Jan-10	2	19	35	15	51	53	49	224	5	2	2	9	0	233
Apr-10	*	16	37	14	51	51	46	215	4	3	3	10	0	225
Jul-10	*	15	37	12	51	43	54	212	7	8	4	19	0	231

* Denotes non-reported information

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				S RTP	Sys
M/Y	All	Cl a	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
Oct-09	49	76	49	103	40	36	67	420	33	21	0	54	0	474
Jan-10		70	60	109	41	35	72	387	29	21	5	55	0	442
Apr-10		51	56	100	41	39	85	372	27	22	3	52	0	424
Jul-10		58	56	115	47	43	96	415	20	26	3	49	0	464

* Denotes non-reported information

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
July 2010**

ABV	WARD	Cnt									
WER	37-1	25	DAN	210	8	CLA	5	4	WER	35-3	2
TOR	023	17	NOR	51C2	8	DAN	212	4	CLA	4	2
CLA	2	14	WER	34-3	8	CLA	3	4	NOR	10A1	2
WAR	3NM	13	TOR	022	8	NOR	01A1	4	WER	35-2	2
TOR	FB4	13	WER	34-4	7	DAN	211	4	DAN	312	2
ALL	M6	12	TOR	024	6	NOR	09CF	4	WAR	2SW	2
NOR	09AF	12	NOR	01C1	6	TOR	012	4	CLA	6	2
NOR	51B1	11	WAR	3IM	6	NOR	10C1	4	SMO	3A	1
CLA	7	10	NOR	51A1	6	NOR	51A2	4			
NOR	10A2	10	WER	34-2	6	ALL	M3	4			
TOR	021	10	WAR	FOR	6	NOR	51C1	4			
NOR	51B2	9	WAR	3SW	6	SMO	6B	3			
SMO	3B	8	WER	35-4	6	WER	37-2	2			
DAN	311	8	TOR	013	6	ALL	M5	2			

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

Pt.-to-Pt. Assault w/ any Injury	Civil								Forensic				S RTP
	All	Cl a	Dan	Nor	Tor	War	Wer	Tot.	Nor	Tor	War	Tot.	S RTP
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
Apr-10	2.38	1.36	0.59	2.07	2.03	0.83	1.08	1.49	2.04	1.25	3.94	2.07	0.00
May-10	1.36	1.02	1.13	2.32	2.29	1.22	1.76	1.63	1.23	0.00	0.00	0.75	0.00
Jun-10	1.12	0.91	1.16	2.53	1.23	1.02	1.04	1.32	2.02	0.56	1.29	1.53	0.00
Jul-10	1.99	1.60	0.37	2.32	2.14	0.98	0.99	1.46	3.94	1.00	1.30	2.78	0.00

Table 33

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

ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt
WAR	3SW	9	DAN	212	2	NOR	51B2	1
WER	35-2	8	NOR	09AR	2	CLA	2	1
WAR	3IM	6	SMO	3B	2	NOR	51C2	1
NOR	10C1	5	DAN	310	2	SMO	5A	1
TOR	FB4	4	TOR	062	2	SMO	6B	1
WAR	3NM	4	NOR	10A1	1	TOR	011	1
WER	34-2	4	NOR	09CF	1	TOR	014	1
NOR	51A1	4	DAN	312	1	TOR	021	1
WER	34-3	3	DAN	311	1	TOR	022	1
NOR	10A2	3	CLA	7	1	WAR	IBE	1
WER	37-2	3	CLA	3	1	WER	37-1	1
CLA	5	2	DAN	210	1	NOR	51C1	1
			NOR	51B1	1			

Table 34

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

Pt/Staff Assault w/ Staff Inj per 1K days	Civil								Forensic				S RTP
	All	Cl a	Dan	Nor	Tor	War	Wer	Tot.	Nor	Tor	War	Tot.	S RTP
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
Apr-10	1.73	0.76	0.40	0.30	0.68	0.00	0.62	0.62	0.51	0.62	0.00	0.48	1.23
May-10	0.81	0.00	0.94	0.00	0.00	0.00	1.09	0.40	0.00	1.67	0.00	0.45	3.57
Jun-10	0.37	0.15	0.19	1.19	0.35	0.00	2.35	0.79	0.51	1.11	0.00	0.61	1.19
Jul-10	0.00	0.44	0.37	0.73	0.16	1.18	0.99	0.61	0.25	0.00	0.00	0.15	1.15