

pennsylvania

DEPARTMENT OF PUBLIC WELFARE

OFFICE OF MENTAL HEALTH AND
SUBSTANCE ABUSE SERVICES

State Hospital Risk Management Summary Report For September 2010

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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.

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

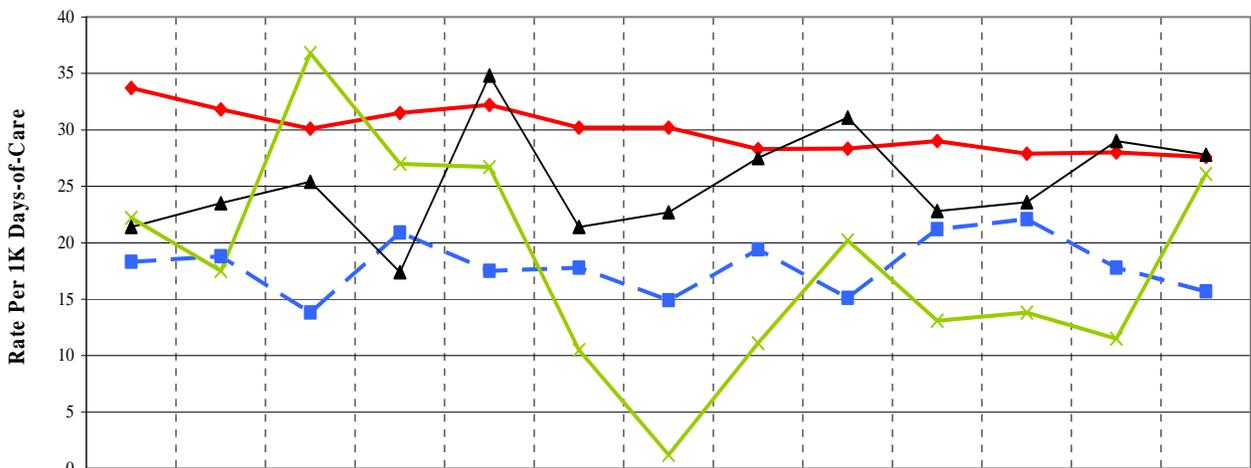
During **September** a total of 1317 incident reports were completed by the state hospital system. Additional records addressing specific categories from the previous month were included on page 4 of this report. Other tables in this report may include additional NRI events regarding these incident reports. The following is a breakdown of incidents by individual facility and type of care:

Table 1 - Number of Incident Reports

Civil	Census 9/30/10	Days Provided	Incidents	Per 1000 Days-of-Care
Allentown	52	1645	60	36.5
Clarks Summit	220	6625	121	18.3
Danville	176	5255	146	27.8
Norristown	226	6806	170	25.0
Torrance	202	5859	197	33.6
Warren	168	5032	99	19.7
Wernersville	265	7959	287	36.1
Total Civil	1309	39181	1080	27.6
Forensic				
Norristown	131	3955	61	15.4
Torrance	68	1954	37	18.9
Warren	11	478	2	4.2
Total Forensic	210	6387	100	15.7
Act 21				
Act 21	28	838	25	29.8
Total Act 21	28	838	25	29.8
Long Term Care				
South Mountain	134	4034	112	27.8
Total L. T. C.	134	4034	112	27.8
Total	1681	50440	1317	26.1

* Based on data appended on 10/22/2010

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



	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
—◆— Civil	33.7	31.8	30.1	31.5	32.2	30.2	30.2	28.3	28.3	29	27.9	28	27.6
- - -■- - Forensic	18.3	18.8	13.8	20.9	17.5	17.8	14.9	19.4	15.1	21.2	22.1	17.8	15.7
-▲- Long Term Care	21.4	23.5	25.4	17.4	34.8	21.4	22.7	27.5	31.1	22.8	23.6	29	27.8
-x- Act 21	22.2	17.5	36.8	27.0	26.7	10.5	1.2	11.1	20.2	13.1	13.8	11.5	26.1

**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	4/10	5/10	6/10	7/10	8/10	9/10
Total number of reported airway obstructions or choking incidents at all facilities (Type 1 & 2):	11	11	7	3	8	6
Total number of AWOL's & UA's all facilities:	44	41	51 (+)	34	49	43
Total number of falls (Type 1 & 2) at all facilities:	196	200 (+)	207 (+)	204	199	182
Total number of reported falls involving consumers age 65 or older:	56	29	44	43	44	38
Total number of reported falls involving consumers age 75 or older:	26	7	14	15	14	8
Total number of reported fire setting events:	0	1	0	0	0	0
Total number of reported incidents involving a bone fracture:	6	1	2	2	3	1
Total number of reported deaths for this report period:	6	7	2	2	8	3
Total number of reported incidents involving a burn or scald:	6	3	2	0	3	1
Total number of reported incidents involving a cut or laceration requiring sutures, steri-strips or glue:	8	14	17	9	14	5
Total number of reported incidents of patient-to-patient assault (see note below):	285	322 (+)	307 (+)	331	298	356
Total number of reported incidents of patient-to-staff assaults:	81	78 (+)	100 (+)	85	104 (+)	82
Total number of reported incidents involving alleged abuse:	15	9	10 (-)	13	18	9
Total percentage for the month of reported incidents involving no physical injury to the Patient:	67%	68%	70%	67%	65%	67%
Total incidents of physical restraint used for the month:	85	90	111	90	75	68
Total hours of physical restraint used for the month:	8.518	13.69	11.41	11.57	6.67	7.39
Incidents of mechanical restraint use for the month:	3	6	2	4	2	2
Total hours of mechanical restraint used for the month:	2.00	3.00	5.40	3.08	1.98	.73
Total reported incidents involving the use of seclusion:	0	2	0	0	0	0
Total hours of seclusion used for the month:	0	1.00	0	0	0	0
Total number of reported incidents coded as Nonconsensual Sexual Activity:	0	0	6	6	6	4
Total number of reported incidents of attempted suicide:	2	3	3	1	2	3
Total number of reported incidents involving the threat or plan of suicide:	9	10	7	13	12	13
Total number of reported incidents of illicit drug use/possession:	6	6	2	2	9	1
Total number of medication errors:	61	45 (+)	32 (+)	36	34(-)	29
Total number of STAT medications administered for psychiatric indications:	872 (+)	1101 (+)	1004	1102	1061	971

***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

Primary Cat #	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Accident-Injury	1	4	4	7	5	4	1	26
Adverse Drug Reaction		2	1	2				5
Aggression	5	10	6	21	30	22	37	131
Airway Obstruction type 1 Intervention		1	1		1		1	4
Airway Obstruction type 2 No Intervention						1	1	2
Alcohol Use/Possession/Suspected or Confirmed					1			1
Alleged Nonconsensual Sexual Activity						4		4
Alleged Pt. Abuse		1		2	1	2	1	7
Assault, Pt./Pt	14	28	47	50	50	16	85	290
Assault, Pt./Staff	3	5	9	5	7	5	27	61
Assault: Patient/Other		1						1
AWOL/UA	1			3	4	3	5	16
AWOL-Attempt			2	2	1			5
AWOL-Late			5	1	2	3		11
Change in Medical Status-Stabilized	2			6	3			11
Change in Medical Status-Transferred		13	3	10	9	1	13	49
Charged with alleged crime on hospital grounds			1			4	1	6
Communications Sys. Misuse		4	1			1		6
Community Incident			2		1			3
Contraband Possession		1	2	2		2	3	10
Fall Type 1-Injury with treatment	2	11	10	9	18	5	14	69
Fall Type 2-No treatment needed	4	9	11	5	19	5	28	81
Family Concern	1				4		1	6
Illicit Substance Use/Possession					1			1
Indeterminate/Unconfirmed Cause of Injury	2	9	4	4	6		4	29
Medication Error	6	1	6	5			7	25
Missing Property		4	1		1		1	7
Other	14	5	5	4	14	4	19	65
Procedural Treatment Error	1	1	1				1	4
Property Damage	1	2	4			2	2	11
Seizure				1	1	1	7	10
Self-Injurious behavior	3	7	19	8	8	11	10	66
Sexual Behavior		1		4	3		7	15
Smoking Violation				9	3	1	1	14
Suicide Attempt		1		1				2
Suicide threat/plan			1	6	2		3	12
Theft				3		2	3	8
Unsubstantiated Nonconsensual Sexual Activity					2		2	4
Unsubstantiated Patient Abuse							2	2
Totals	60	121	146	170	197	99	287	1080

Table 3 - Primary Effect of Incidents in the Civil Hospitals

Primary effect	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Abrasion/scrape/scratch/hematoma	4	16	23	10	13	10	24	100
Allergic reaction				1				1
Bite-Human		2		1	2	1		6
Bite-Insect	1	1		1			1	4
Body System Illness		4	1	3	5	1	2	16
Bruise/contusion/discoloration		10	4	4	8	5	7	38
Burn/Scald		1						1
Cellulitis		1						1
Concussion			1					1
Constipation							2	2
Edema/swelling	2	2	3	3	8	1	3	22
Emesis				4				4
Epistaxis		1		1	1		1	4
Erythema/redness			3	3	2	1	3	12
Fever		1	1				1	3
Fracture				1				1
Ingestion of foreign body				2			3	5
Laceration: NO sutures/staples/steri-strips	3	4	3	6	7		3	26
Laceration: with steristrips/glue		2			1			3
Laceration: with sutures/staples	1	1			1			3
Lethargy		1					1	2
No Injury/NA	46	62	100	110	136	74	214	742
Other	2	7	1	8	5	2	5	30
Pain, Specified		3	2	10	6	2	11	34
Puncture/stab wound			1					1
Respiratory Distress	1						4	5
Seizure			1	2			1	4
Skin Irritation/Rash			1				1	2
Sunburn			1					1
Unconscious/Unresponsive		2			2	2		6
Totals	60	121	146	170	197	99	287	1080

Table 4 - Cause and Effect of Incidents in the Forensic Units Category or Cause of Incidents in the Forensic Service by Unit

Primary Cat #	51A1	51A2	51B1	51B2	51C1	51C2	FB3	FB4	FC1	FC2	FOR	Count
Accident-Injury					2			1		1		4
Aggression	1	1	3			2	1	4	2	2		16
Alleged Pt. Abuse								1		1		2
Assault, Pt./Pt	2	2	20	8	1	1			2	10	2	48
Assault, Pt./Staff	2	1	1						1			5
Change in Medical Status-Transferred					2			1				3
Fall Type 1-Injury with treatment	1	1		1		1						4
Fall Type 2-No treatment needed										1		1
Indeterminate/Unconfirmed Cause of Injury		1										1
Other					1	1			2	4		8
Property Damage		2										2
Seizure		1										1
Self-Injurious behavior						1		2				3
Suicide Attempt		1										1
Suicide threat/plan									1			1
Totals	6	10	24	9	6	6	1	9	8	19	2	100

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

EFFECT	51A1	51A2	51B1	51B2	51C1	51C2	FB3	FB4	FC1	FC2	FOR	Count
Abrasion/scrape/scratch/hematoma		1	2	1	2	1		2	1			10
Body System Illness								1				1
Bruise/contusion/discoloration						1		1				2
Damaged or lost tooth										1		1
Death					1							1
Edema/swelling		1	1		1	1				1		5
Epistaxis			1									1
Erythema/redness		1								1		2
Ingestion of foreign body						1						1
Laceration: NO sutures/staples/steri-strips	1		3									4
Laceration: with sutures/staples										1		1
Muscle pull/strain/sprain										1		1
No Injury/NA	5	7	17	6	1	2	1	4	6	11	2	62
Other				1								1
Pain unspecified										1		1
Pain, Specified				1	1			1	1	2		6
Totals	6	10	24	9	6	6	1	9	8	19	2	100

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

Cause	3A	3B	5A	6A	6B	Count
Accident-Injury	7	5	1	3	2	18
Aggression	1	4	4		3	12
Assault, Pt./Pt	10		3		3	16
Assault, Pt./Staff		5	2			7
Change in Medical Status-Stabilized			1			1
Change in Medical Status-Transferred		2	2	2	3	9
Fall Type 1-Injury with treatment	2	6	1		2	11
Fall Type 2-No treatment needed	4	1	2			7
Medication Error	1	1		2		4
Missing Property			1			1
Near Fall		2				2
Other	1	5	3		4	13
Property Damage		6				6
Self-Injurious behavior			1			1
Smoking Violation		1	3			4
Totals	26	38	24	7	17	112

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

EFFECT	3A	3B	5A	6A	6B	Count
Abrasion/scrape/scratch/hematoma	3	4		2	1	10
Blister					1	1
Body System Illness		1	2	2	1	6
Bruise/contusion/discoloration	3	4	3		1	11
Death		1			1	2
Edema/swelling		1	1			2
Erythema/redness		2			2	4
Laceration: NO sutures/staples/steri-strips	2				1	3
Laceration: with steristrips/glue	1	1				2
Laceration: with sutures/staples		1				1
Lethargy					1	1
No Injury/NA	17	21	17	2	7	64
Pain, Specified		1	1	1		3
Respiratory Distress		1			1	2
Totals	26	38	24	7	17	112

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	3	3
Assault, Pt./Staff	8	8
Change in Medical Status-Stabilized	1	1
Contraband Possession	1	1
Fall Type 1-Injury with treatment	1	1
Fall Type 2-No treatment needed	1	1
Other	5	5
Procedural Treatment Error	1	1
Self-Injurious behavior	1	1
Totals	25	25

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

Primary effect	TOR	Count
Abrasion/scrape/scratch/hematoma	4	4
Allergic reaction	1	1
Bite-Insect	1	1
Bruise/contusion/discoloration	1	1
Erythema/redness	1	1
No Injury/NA	13	13
Other	1	1
Pain, Specified	3	3
Totals	25	25

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

Date	Tobacco Use	ALL	CLA	DAN	NOR	TOR	WAR	WER	Civil Total	LTC	System Total
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%
Jun-10	Total Users	NR	142	82	150	106	98	169	747	17	764
	% of Census		64%	47%	66%	53%	59%	65%	56%	13%	52%
Sep-10	Total Users	NR	138	80	156	116	91	150	731	21	752
	% of Census		63%	45%	69%	57%	54%	57%	56%	16%	52%

Table 11 - Diabetes

M/Year	Civil Hospitals								Forensic Centers				A21	LTC	Sys
	All	Cl	Dan	Nor	Tor	War	Wer	Ttl	Nor	Tor	War	Total	A21	SMRC	
Sept 10 Patient Census	52	220	176	226	202	168	265	1309	131	68	11	210	28	134	1681
Count	15	36	30	57	49	38	59	284	11	7	1	19	0	52	355
% w/ Diabetes	29%	16%	17%	25%	24%	23%	22%	22%	8%	10%	9%	9%	0%	39%	21%

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

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.

Primary effect	ALL	CLA	DAN	NOR	SMO	TOR	WAR	WER	Count
Body System Illness		4	1	1	5	4	1	2	18
Bruise/contusion/discoloration				1		1			2
Concussion			1						1
Constipation								1	1
Death				1					1
Edema/swelling				3		2		1	6
Emesis				2					2
Fever		1						1	2
Fracture				1					1
Ingestion of foreign body				2				1	3
Laceration: NO sutures/staples/steri-strips				1				1	2
Lethargy						1		1	2
No Injury/NA				1			1	1	3
Other		5		2		3		2	12
Pain, Specified				3		1	1	1	6
Puncture/stab wound			1						1
Respiratory Distress	1					2		3	6
Seizure			1	2				1	4
Unconscious/Unresponsive		2				1	1		4
Totals	1	12	4	20	8	12	4	16	77

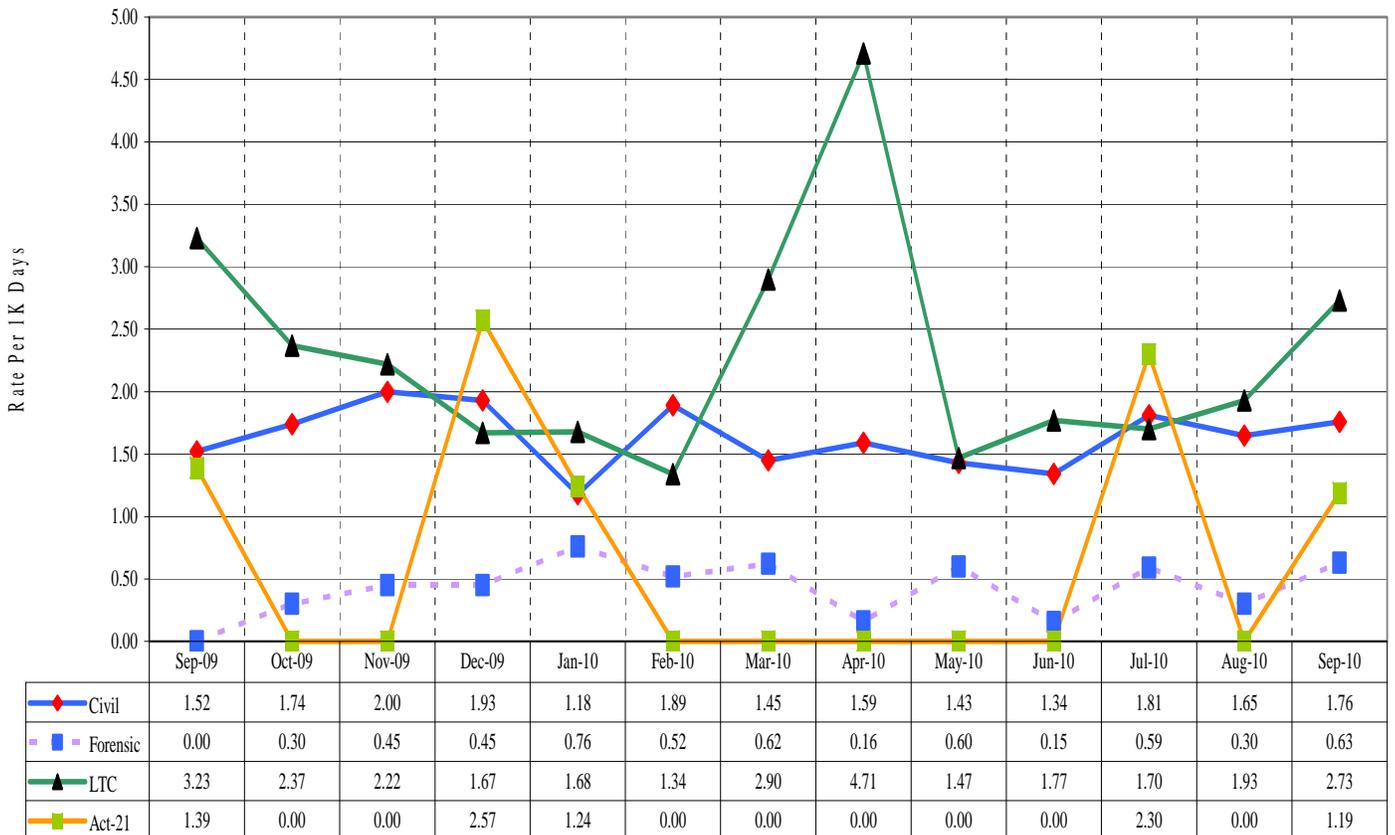
Falls

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	Sys Avg
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
Aug-10	0.51	1.75	2.18	0.86	3.27	0.59	1.58	1.65	0.49	0.00	0.00	0.30	0.00	1.93	1.47
Sep-10	1.22	1.66	1.90	1.32	3.07	0.99	1.76	1.76	1.01	0.00	0.00	0.63	1.19	2.73	1.67

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	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10
NOR	1.00	0.50			0.50								
TOR	1.10					0.60			0.50				
WAR	2.80	0.25			2.00		0.05		0.50				

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

ABV	Total	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10
NOR	2	1	0	0	1	0	0	0	0	0	0	0	0
TOR	2	0	0	0	0	1	0	0	1	0	0	0	0
WAR	4	1	0	0	1	0	1	0	1	0	0	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 In Month

ABV	WARD	Total Hrs
NOR	01A1	0.48
CLA	3	0.25

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

ABV	Total	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10
CLA	1.88	0.00	0.50	0.73	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.25
NOR	37.72	2.75	6.25	3.98	5.50	8.53	1.47	0.00	1.08	5.00	1.75	0.92	0.48
WAR	2.20	1.12	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00
WER	15.25	3.90	0.93	3.08	0.00	0.25	1.42	2.00	1.92	0.00	0.75	1.00	0.00

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

ABV	Total	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10
CLA	4	0	1	1	0	0	0	0	0	1	0	0	1
NOR	37	4	6	6	6	7	2	0	2	1	1	1	1
WAR	5	2	1	0	0	0	0	0	0	0	2	0	0
WER	23	5	2	4	0	1	2	3	4	0	1	1	0

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

ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total
DAN	312	2.03	WER	34-3	0.08	CLA	6	0.03
TOR	062	1.35	TOR	FB3	0.08	WER	35-2	0.03
TOR	FB4	1.33	NOR	51B1	0.07	DAN	212	0.03
WAR	3SW	0.72	TOR	FC1	0.07	WER	35-3	0.02
TOR	023	0.30	WER	34-2	0.07	CLA	2	0.01
TOR	021	0.22	WER	37-3	0.05	NOR	09AF	0.01
WER	34-4	0.18	NOR	51C2	0.05	NOR	51A1	0.01
NOR	51A2	0.17	NOR	10A1	0.05			
CLA	3	0.17	ALL	M5	0.03			
DAN	310	0.12	WAR	FOR	0.03			
CLA	7	0.08	TOR	064	0.03			

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

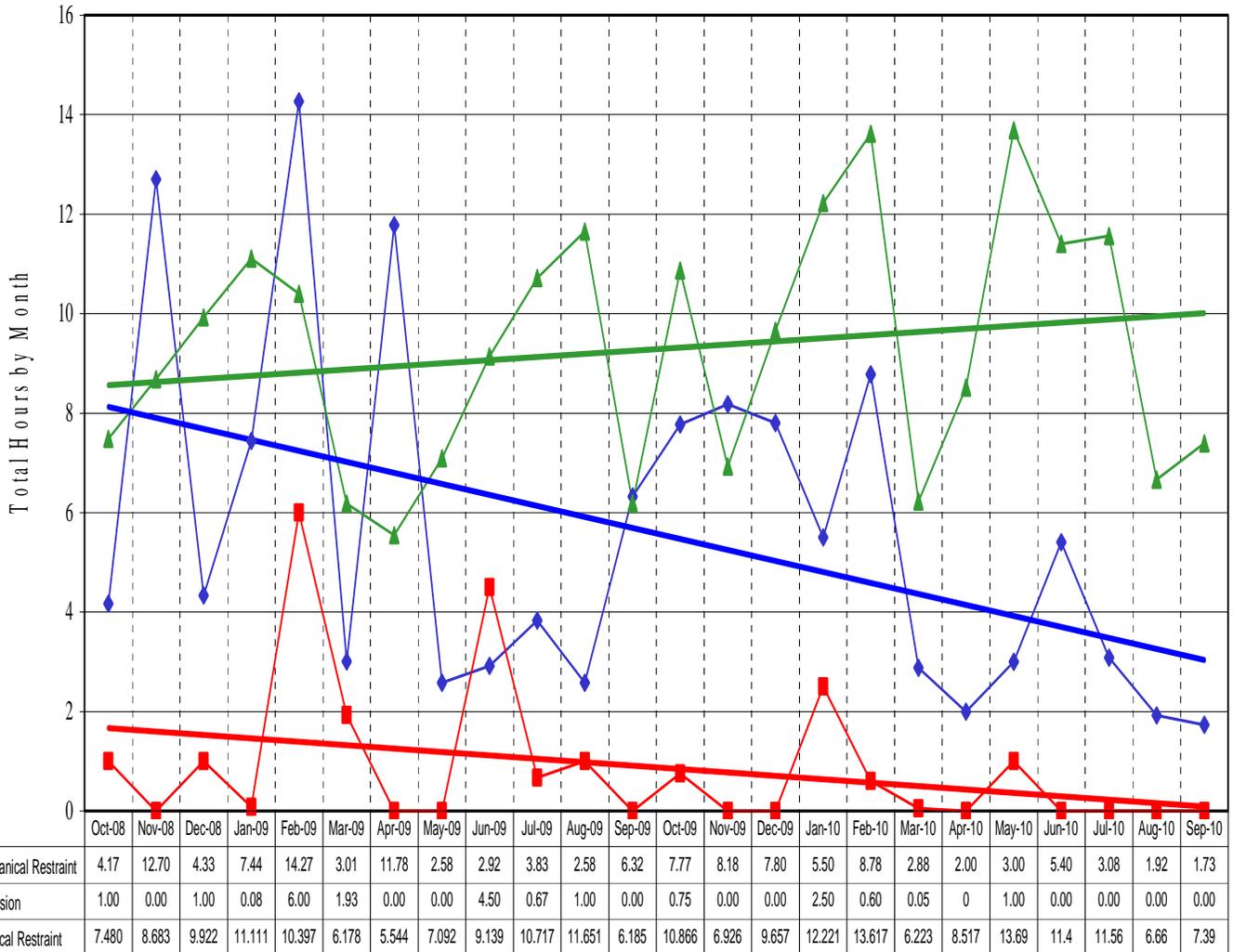
ABV	Total	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10
ALL	3.45	1.06	0.31	0.12	0.72	0.77	0.09	0.00	0.04	0.28	0.03	0.00	0.03
CLA	8.52	0.71	0.30	0.91	0.84	0.92	0.67	0.45	1.06	1.19	0.85	0.31	0.29
DAN	12.20	2.85	0.15	0.34	1.86	1.26	0.55	0.14	0.95	1.15	0.26	0.52	2.17
NOR	24.44	1.14	2.63	5.16	5.00	4.99	0.83	0.98	0.71	1.13	0.67	0.86	0.35
TOR	47.58	3.48	2.27	2.15	3.50	4.54	2.93	2.08	6.01	6.37	8.48	2.38	3.38
WAR	6.81	0.97	0.68	0.13	0.10	0.30	0.41	2.43	0.17	0.35	0.13	0.38	0.75
WER	16.90	0.95	0.58	1.01	0.20	0.84	1.22	2.43	4.85	1.02	1.14	2.26	0.42

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

ABV	Total	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10
ALL	36	9	4	3	6	4	2	0	2	2	2	0	2
CLA	132	13	6	13	10	16	10	10	12	16	10	9	7
DAN	122	33	8	4	9	7	6	5	14	10	5	7	14
NOR	286	23	27	43	33	32	14	30	12	25	20	19	8
TOR	274	20	11	16	32	15	22	13	27	40	42	16	20
WAR	54	8	8	3	3	4	7	7	3	4	2	2	3
WER	192	14	9	21	8	14	21	20	23	15	9	24	14

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.



◆ Mechanical Restraint ■ Seclusion ▲ Physical Restraint — Linear (Mechanical Restraint) — Linear (Seclusion) — Linear (Physical Restraint)

Psychiatric Use of STAT Medications

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. 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

September-10 Unscheduled Psych Meds	Civil								Forensic				SRTP	Sys.
	All	Cl	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Total	SRTP	Total
Number of Unique Patients	7	32	37	42	40	44	34	236	22	21	5	48	10	294
% of Census	13.5%	14.5%	21.0%	18.6%	19.8%	26.2%	12.8%	18.0%	16.8%	30.9%	45.5%	22.9%	35.7%	19.0%
Number of Early Med Events	3	0	0	0	10	38	1	52	0	4	7	11	1	64
Number of STAT meds	12	74	93	96	187	262	91	815	63	59	8	130	26	971
Rate per 1Kdays	7.29	11.17	17.70	14.11	31.92	52.07	11.43	20.80	15.93	30.19	16.74	20.35	31.03	20.92

Table 23 - STAT Use of Multiple Medications for Psychiatric Indications

Medication	Sep-10 Civil								Forensic		
	ALL	CLA	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	
Aripiprazole/Lorazepam					1		1				
Benadryl/Chlorpromazine					1		1				
Chlorpromazine/Benztrapine				1			1				
Lorazepam/Chlorpromazine		1		2		2	5				
Lorazepam/Haloperidol		11	5	1	1	1	19				
Olanzapine/Lorazepam		2				1	3				
Quetiapine/Lorazepam	1						1				
Quetiapine/Oxcarbazepine/Lorazepam		1					1				
Ziprasidone/Lorazepam						1	1				
Totals	1	15	5	4	3	5	33				

Medication	SRTP	
	TOR	Total
Lorazepam/Chlorpromazine	1	1
Totals	1	1

Table 24 - Psychiatric Use of STAT Medication by Hospital & Unit for September

ABV	UNIT	Count									
WAR	3SW	160	CLA	3	19	WER	34-2	9	NOR	51B2	5
TOR	014	60	CLA	7	18	WER	35-2	8	TOR	011	5
TOR	023	58	TOR	FC2	16	WER	35-3	8	WER	34-3	5
DAN	312	41	WER	37-3	15	WER	35-4	8	WAR	2NM	5
TOR	022	34	NOR	10A2	15	WAR	FOR	8	TOR	064	3
WAR	IBE	33	DAN	310	15	TOR	012	8	CLA	1	3
WAR	3NM	28	NOR	01C1	13	WAR	2SW	8	CLA	8	3
WAR	3IM	28	CLA	6	13	CLA	5	7	CLA	2	2
NOR	09AF	26	DAN	212	13	NOR	10A1	7	NOR	51C1	2
NOR	51B1	23	WER	37-2	11	NOR	09CF	6	TOR	071	2
TOR	FC1	23	TOR	021	10	ALL	M3	6	TOR	013	2
WER	34-4	22	TOR	024	10	ALL	M5	6	NOR	09AR	2
TOR	FB4	20	DAN	311	9	DAN	210	6	TOR	072	2
NOR	01A1	20	DAN	211	9	NOR	10C1	6	NOR	01C2	1
NOR	51A2	19	NOR	51C2	9	WER	37-1	5			
TOR	062	19	CLA	4	9	NOR	51A1	5			

Table 25 - Route of STAT Medications for Psychiatric Reasons for Month

Route	Civil								Forensic				S RTP
	ALL	CLA	DAN	NOR	TOR	WAR	WER	Cnt	NOR	TOR	WAR	Cnt	S RTP
IM	6	27	31	52	99	121	27	363	33	41	1	54	12
Oral	6	47	62	44	88	141	64	452	30	18	7	53	14
Totals	12	74	93	96	187	262	91	815	63	59	8	130	26

Table 26 Psychiatric Use of STAT Medications by Shift for Month

ABV	?	Civil				Count	Forensic			
		D	E	N	D		E	N	Count	
ALL		6	2	4	12					
CLA	3	42	22	7	74					
DAN		40	44	9	93					
NOR	1	50	42	3	96	22	32	9	63	
TOR		49	122	16	187	20	31	8	59	
WAR		89	137	36	262	4	2	2	8	
WER		43	42	6	91	S RTP				
Totals	4	319	411	81	815	6	19	1	26	

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

Month	Civil										Forensic					S RTP
	All	Cla	Dan	Nor	Tor	War	Wer	Ave.	Std Dev	Nor	Tor	War	Ave.	Std Dev	S RTP	
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	
Aug-10	6.16	15.48	17.05	14.81	30.24	49.94	14.61	21.18	14.54	19.01	39.20	36.71	31.64	11.01	22.01	
Sep-10	7.29	11.17	17.70	14.11	31.92	52.07	11.43	20.81	15.91	15.93	30.19	16.74	20.95	8.01	20.92	

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 M/Y	Civil								Forensic				S RTP	Sys
	All	Cl a	D an	N or	T or	W ar	W er	T otal	N or	T or	W ar	C nt	T or	T otal
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
Jun-10	95	150	95	119	89	84	166	798	33	17	14	64	3	865
Sep-10	87	154	95	124	89	94	161	804	28	22	8	58	3	865

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 M/Y	Civil								Forensic				S RTP	Sys
	All	Cl a	D an	N or	T or	W ar	W er	T otal	N or	T or	W ar	C nt	T or	T otal
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
Jun-10		16	33	11	56	52	51	219	5	6	4	15	0	234
Sep-10		20	33	15	45	47	53	213	6	8	0	14	0	227

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 M/Y	Civil								Forensic				S RTP	Sys
	All	Cl a	D an	N or	T or	W ar	W er	T otal	N or	T or	W ar	C nt	T or	T otal
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
Jun-10		55	65	109	47	39	99	414	20	26	3	49	0	463
Sep-10		58	55	116	43	41	100	413	27	21	1	49	0	462

* 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

ABV	WARD	Cnt									
WER	37-2	21	SMO	3A	10	TOR	024	4	WAR	2NM	2
NOR	51B1	20	NOR	51B2	8	DAN	311	4	TOR	014	2
TOR	022	20	NOR	10A2	8	CLA	3	4	NOR	51A1	2
WER	37-1	15	ALL	M3	8	CLA	2	4	TOR	012	2
NOR	01C1	15	DAN	211	7	CLA	4	4	WER	37-3	2
DAN	310	14	WAR	3NM	7	NOR	09CF	4	NOR	51A2	2
WER	34-2	14	TOR	021	7	NOR	10C1	4	TOR	FC1	2
CLA	7	14	WER	35-4	6	NOR	01A1	3	NOR	51C2	1
TOR	023	13	NOR	09AF	6	SMO	6B	3	WAR	2SW	1
DAN	212	11	WER	34-4	6	SMO	5A	3	WAR	3SW	1
DAN	210	11	ALL	M5	6	TOR	013	2	NOR	51C1	1
WER	34-3	11	WER	35-3	5	WAR	IBE	2			
NOR	10A1	10	WAR	3IM	5	WAR	FOR	2			
TOR	FC2	10	WER	35-2	5	CLA	6	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
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
Aug-10	2.05	0.44	0.73	2.88	2.13	0.59	0.97	1.35	2.72	1.03	1.47	2.10	1.32
Sep-10	1.22	1.81	1.71	1.47	1.37	0.79	2.14	1.58	2.78	2.56	0.00	2.51	0.00

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

ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt
WER	34-3	11	ALL	M3	2	NOR	09AR	1
DAN	312	8	SMO	5A	2	TOR	012	1
TOR	062	8	TOR	022	2	NOR	10A2	1
SMO	3B	5	TOR	023	2	TOR	024	1
WER	34-2	5	WER	35-2	2	NOR	51A2	1
WAR	3SW	5	TOR	FC1	1	NOR	51B1	1
WER	37-2	4	ALL	M5	1	WER	37-3	1
WER	37-1	3	CLA	7	1	NOR	01A1	1
CLA	3	2	WER	34-4	1			
CLA	8	2	DAN	212	1			
NOR	09CF	2	WAR	IBE	1			
NOR	51A1	2	TOR	011	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
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
Aug-10	0.51	0.00	0.91	0.29	0.33	0.99	0.97	0.57	0.99	0.00	0.00	0.60	1.15
Sep-10	0.00	0.30	0.57	0.15	0.68	0.40	1.13	0.54	0.51	0.00	0.00	0.31	1.19