



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

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State Hospital Risk Management Summary Report  
For June 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. 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 June 2010

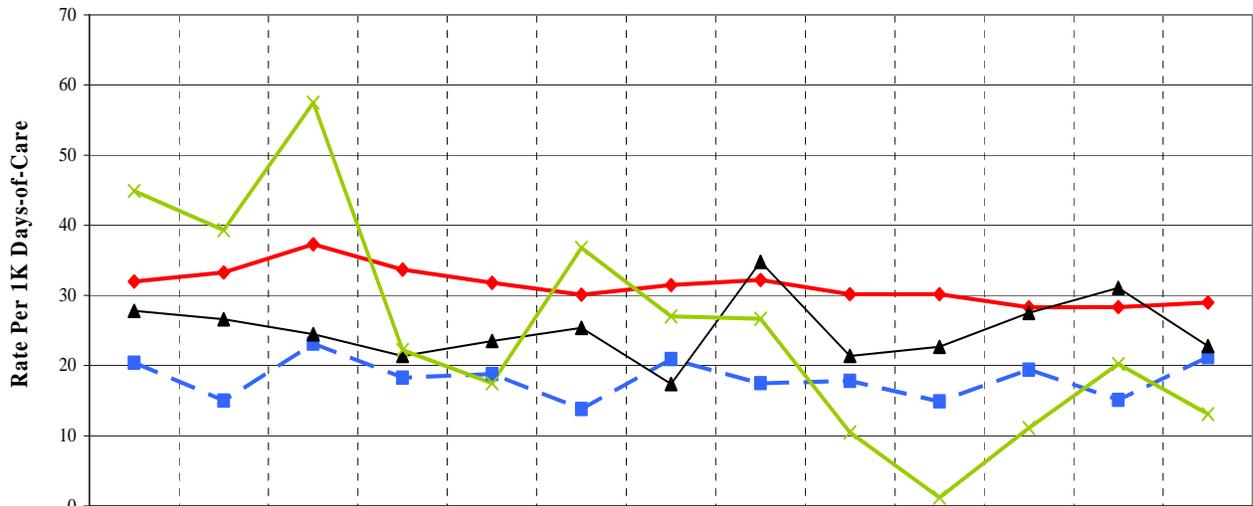
During **June** a total of 1382 incident reports were completed by the state hospital system, which is an increase in such reports from the previous month. Additional records addressing specific categories from the previous month were included on page 4 of this report. Other tables in this report may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

**Table 1** **June 2010**

Civil	Census 6/30/10	Days Provided	Incidents	Per 1000 Days-of-Care
Allentown	88	2674	73	27.3
Clarks Summit	223	6616	104	15.7
Danville	173	5172	127	24.6
Norristown	227	6731	256	38.0
Torrance	199	5703	165	28.9
Warren	165	4899	116	23.7
Wernersville	259	7675	302	39.3
<b>Total Civil</b>	1334	39470	1143	29.0
<b>Forensic</b>				
Norristown	133	3953	74	18.7
Torrance	64	1795	50	27.9
Warren	25	775	14	18.1
<b>Total Forensic</b>	222	6523	138	21.2
<b>Act 21</b>				
Act 21	28	840	11	13.1
<b>Total Act 21</b>	28	840	11	13.1
<b>Long Term Care</b>				
South Mountain	132	3954	90	22.8
<b>Total L. T. C.</b>	132	3954	90	22.8
<b>Total</b>	1716	50787	1382	27.2

\* Based on data appended on 6/20/2010

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



	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
—◆— Civil	32	33.3	37.3	33.7	31.8	30.1	31.5	32.2	30.2	30.2	28.3	28.3	29
—■— Forensic	20.4	15	23.1	18.3	18.8	13.8	20.9	17.5	17.8	14.9	19.4	15.1	21.2
—▲— Long Term Care	27.8	26.6	24.5	21.4	23.5	25.4	17.4	34.8	21.4	22.7	27.5	31.1	22.8
—×— Act 21	44.9	39.3	57.5	22.2	17.5	36.8	27.0	26.7	10.5	1.2	11.1	20.2	13.1

**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)

<b>Primary Cause or Effects of High Profile Events</b>	<b>1/10</b>	<b>2/10</b>	<b>3/10</b>	<b>4/10</b>	<b>5/10</b>	<b>6/10</b>
Total number of reported airway obstructions or choking incidents at all facilities (Type 1 & 2):	7	10	8	11	11	7
Total number of AWOL's & UA's all facilities:	30	33	31	44	41	49
Total number of falls (Type 1 & 2) at all facilities:	180	193	186	196	200 (+)	165
Total number of reported falls involving consumers age 65 or older:	57	50	44	56	29	44
Total number of reported falls involving consumers age 75 or older:	20	11	13	26	7	14
Total number of reported fire setting events:	1	0	0	0	1	0
Total number of reported incidents involving a bone fracture:	3	6	2	6	1	2
Total number of reported deaths for this report period:	8	9	3	6	7	2
Total number of reported incidents involving a burn or scald:	5	6	1	6	3	2
Total number of reported incidents involving a cut or laceration requiring sutures, steri-strips or glue:	20	18	9	8	14	17
Total number of reported incidents of patient-to-patient assault (see note below):	373	232	335	285	322 (+)	294
Total number of reported incidents of patient-to-staff assaults:	96	100	115	81	78 (+)	98
Total number of reported incidents involving alleged abuse:	7 (+)	20	18	15	9	19
Total percentage for the month of reported incidents involving no physical injury to the Patient:	66%	67%	70%	67%	68%	70%
Total incidents of physical restraint used for the month:	101	92	78	85	90	111
Total hours of physical restraint used for the month:	12.221	13.617	6.223	8.518	13.69	11.41
Incidents of mechanical restraint use for the month:	6	8	4	3	6	2
Total hours of mechanical restraint used for the month:	5.50	8.78	2.88	2.00	3.00	5.40
Total reported incidents involving the use of seclusion:	2	1	1	0	2	0
Total hours of seclusion used for the month:	2.50	.60	.05	0	1.00	0
Total number of reported incidents coded as alleged sexual assault:	6	6	10	0	0	6
Total number of reported incidents of attempted suicide:	3	3	3	2	3	3
Total number of reported incidents involving the threat or plan of suicide:	3	4	14	9	10	7
Total number of reported incidents of illicit drug use/possession:	2	2	1	6	6	2
Total number of medication errors:	49	45	37	61	45 (+)	30
Total number of STAT medications administered for psychiatric indications:	1087	998	1154	872 (+)	1101 (+)	1004

**\*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**  
**June 2010**

Primary Cat #	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Accident-Injury	1	3	2	9	5	4	7	31
Adverse Drug Reaction	1	2						3
Aggression	3	11	4	27	7	15	57	124
Airway Obstruction type 1 Intervention			2		3			5
Airway Obstruction type 2 No Intervention			1			1		2
Alcohol Use/Possession/Suspected or Confirmed						1		1
Alleged Nonconsensual Sexual Activity		2		4				6
Alleged Pt. Abuse	2	2	2	2	1	2	5	16
Assault, Pt./Pt	14	14	28	64	30	21	70	241
Assault, Pt./Staff	2	4	12	9	4	5	40	76
AWOL/UA	1	1	1		2	2	9	16
AWOL-Attempt				9	4	2		15
AWOL-Late	4	1	4		7	2		18
Change in Medical Status-Stabilized				4			1	5
Change in Medical Status-Transferred	7	6	1	12	5	2	9	42
Charged with alleged crime on hospital grounds			1			1		2
Communications Sys. Misuse		1	2	1				4
Community Incident				1				1
Contraband Possession	1	1	5	3	5	9	3	27
Fall Type 1-Injury with treatment	2	12	8	11	10	2	8	53
Fall Type 2-No treatment needed	6	19	15	8	18	18	28	112
Family Concern		1			2			3
Illicit Substance Use/Possession				1	1			2
Indeterminate/Unconfirmed Cause of Injury	1	14	6	3	4		5	33
Medication Error				8		4	3	15
Missing Property	4				1	1	1	7
Other	11	5	4	3	17	6	21	67
Procedural Treatment Error	2		2	3	1			8
Property Damage	1	2	2	8	1	1	2	17
Seizure						1	3	4
Self-Injurious behavior	9	3	21	22	23	11	16	105
Sexual Behavior			1	9	3	1	4	18
Smoking Violation			1	25	7		2	35
Substantiated Patient Abuse							2	2
Suicide Attempt					1	1	1	3
Suicide threat/plan				4	1			5
Theft				5		3	4	12
Unsubstantiated Nonconsensual Sexual Activity					2		1	3
Unsubstantiated Patient Abuse	1		2	1				4
Totals	73	104	127	256	165	116	302	1143

Table 3

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

Primary effect	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
?				1				1
Abrasion/scrape/scratch/hematoma	6	14	19	19	16	8	20	102
Allergic reaction		1						1
Bite-Animal					1			1
Bite-Human				1			1	2
Bite-Insect				1			1	2
Blister		1						1
Body System Illness		1		10	1	1	3	16
Bruise/contusion/discoloration	1	10	5	4	11	3	7	41
Burn/Scald				1			1	2
Damaged or lost tooth					1			1
Death					1			1
Dislocation							1	1
Edema/swelling	1		1	5	2	1	1	11
Emesis	1				1			2
Epistaxis			1		1			2
Erythema/redness	1	1	2	5	3		2	14
Fever	2							2
Fracture		1	1					2
Ingestion of foreign body				5	1		2	8
Laceration: NO sutures/staples/steri-strips	2	2	1	10	8		3	26
Laceration: with steristrips/glue		2	1				1	4
Laceration: with sutures/staples		2		3	2	1		8
Lethargy	1	2			1	1	1	6
Muscle pull/strain/sprain				1		1		2
No Injury/NA	50	53	91	175	101	97	238	805
Other	2	4		3	5		5	19
Pain, Specified	6	7	3	9	4	2	9	40
Respiratory Distress		1		2	2		4	9
Seizure						1	1	2
Skin Irritation/Rash		2	1		1			4
Syncopal episode				1			1	2
Unconscious/Unresponsive			1		2			3
Totals	73	104	127	256	165	116	302	1143

**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	FOR	FB4	FC1	FC2	Count
Accident-Injury		1			2						3
Aggression	4	2	4		3	2	3	20	1		39
Alleged Pt. Abuse	1							1			2
Assault, Pt./Pt	4	10	4	4	6	4	8		4	1	45
Assault, Pt./Staff			1	1	2			9			13
Change in Medical Status-Stabilized	1				2						3
Change in Medical Status-Transferred	1				1	2		2		1	7
Contraband Possession	1										1
Fall Type 1-Injury with treatment									1		1
Fall Type 2-No treatment needed					1					1	2
Family Concern										1	1
Indeterminate/Unconfirmed Cause of Injury						1					1
Medication Error		1									1
Other			1				1				2
Property Damage		1	1		1			1			4
Self-Injurious behavior		1	1			1	2	4			9
Sexual Behavior								1			1
Suicide threat/plan										2	2
Theft	1										1
Totals	13	16	12	5	18	10	14	38	6	6	138

**Table 5**

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

EFFECT	51A1	51A2	51B1	51C1	51C2	FOR	51B2	FB4	FC1	FC2	Count
Abrasion/scrape/scratch/hematoma	1					3					4
Bite-Human	1								1		2
Bite-Insect		1									1
Bruise/contusion/discoloration		1		2		1	1	2			7
Edema/swelling				1	1	1					3
Erythema/redness		1			1			1			3
Fever				1							1
No Injury/NA	9	13	12	11	5	8	4	34	4	5	105
Other					1	1					2
Pain unspecified								1			1
Pain, Specified	1			3	2				1	1	8
Skin Irritation/Rash	1										1
Totals	13	16	12	18	10	14	5	38	6	6	138

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

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

Cause	3A	3B	5A	6A	6B	Count
Accident-Injury	1	2	9	1		13
Aggression	1		3			4
Assault, Pt./Pt			4		2	6
Assault, Pt./Staff	1		1	1	3	6
Change in Medical Status-Transferred		1		1	1	3
Contraband Possession			1			1
Fall Type 1-Injury with treatment	3	1		1	2	7
Fall Type 2-No treatment needed	2	3	1		5	11
Medication Error	4	2	4	3		13
Other	2	3	9	2	3	19
Property Damage		1	1		1	3
Self-Injurious behavior		1	1	1		3
Theft			1			1
Totals	14	14	35	10	17	90

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

EFFECT	3A	3B	5A	6A	6B	Count
Abrasion/scrape/scratch/hematoma	4	1	8		2	15
Blister			1			1
Bruise/contusion/discoloration		1	4		1	6
Death				1		1
Edema/swelling	1					1
Epistaxis		1	2	1		4
Erythema/redness				1		1
Laceration: with steristrips/glue	1	1		2		4
Lethargy					1	1
No Injury/NA	8	9	19	4	13	53
Other			1			1
Respiratory Distress		1		1		2
Totals	14	14	35	10	17	90

**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
Aggression	3	3
Assault, Pt./Staff	3	3
Other	2	2
Self-Injurious behavior	3	3
Totals	11	11

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

Primary effect	TOR	Count
Abrasion/scrape/scratch/hematoma	1	1
Bruise/contusion/discoloration	1	1
Edema/swelling	1	1
Laceration: NO sutures/staples/steri-strips	1	1
Laceration: with sutures/staples	1	1
No Injury/NA	5	5
Puncture/stab wound	1	1
Totals	11	11

### 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](http://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  
Tobacco Users on Last Day of Month**

**Table 10**

Date	Tobacco Use	ALL	CLA	DAN	NOR	TOR	WAR	WER	Civil Total	LTC	System Total
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%
Jun-10	Total Users	NR	142	82	150	106	98	169	747	17	764
	% of Census	0%	64%	47%	66%	53%	59%	65%	56%	13%	52%

**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	
June 10 Patient Census	88	223	173	227	199	165	259	1334	133	64	25	222	28	132	1716
June10 Count	26	37	31	58	45	34	43	274	9	8	1	18	0	42	334
% w/ Diabetes	30%	17%	18%	26%	23%	21%	17%	21%	7%	13%	4%	8%	0%	32%	19%

### 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  
June 2010**

Cause	ALL	CLA	DAN	NOR	SMO	TOR	WAR	WER	Count
Adverse Drug Reaction	1								1
Assault, Pt./Pt							1		1
Change in Medical Status-Transferred	6	6	1	16	3	6	3	7	48
Fall Type 1-Injury with treatment				1		2			3
Fall Type 2-No treatment needed						1		1	2
Indeterminate/Unconfirmed Cause of Injury	1	1				1			3
Other	1						2	1	4
Seizure								1	1
Self-Injurious behavior			1	5					6
Suicide Attempt							1		1
Unsubstantiated Nonconsensual Sexual Activity								1	1
Totals	9	7	2	22	3	10	7	11	71

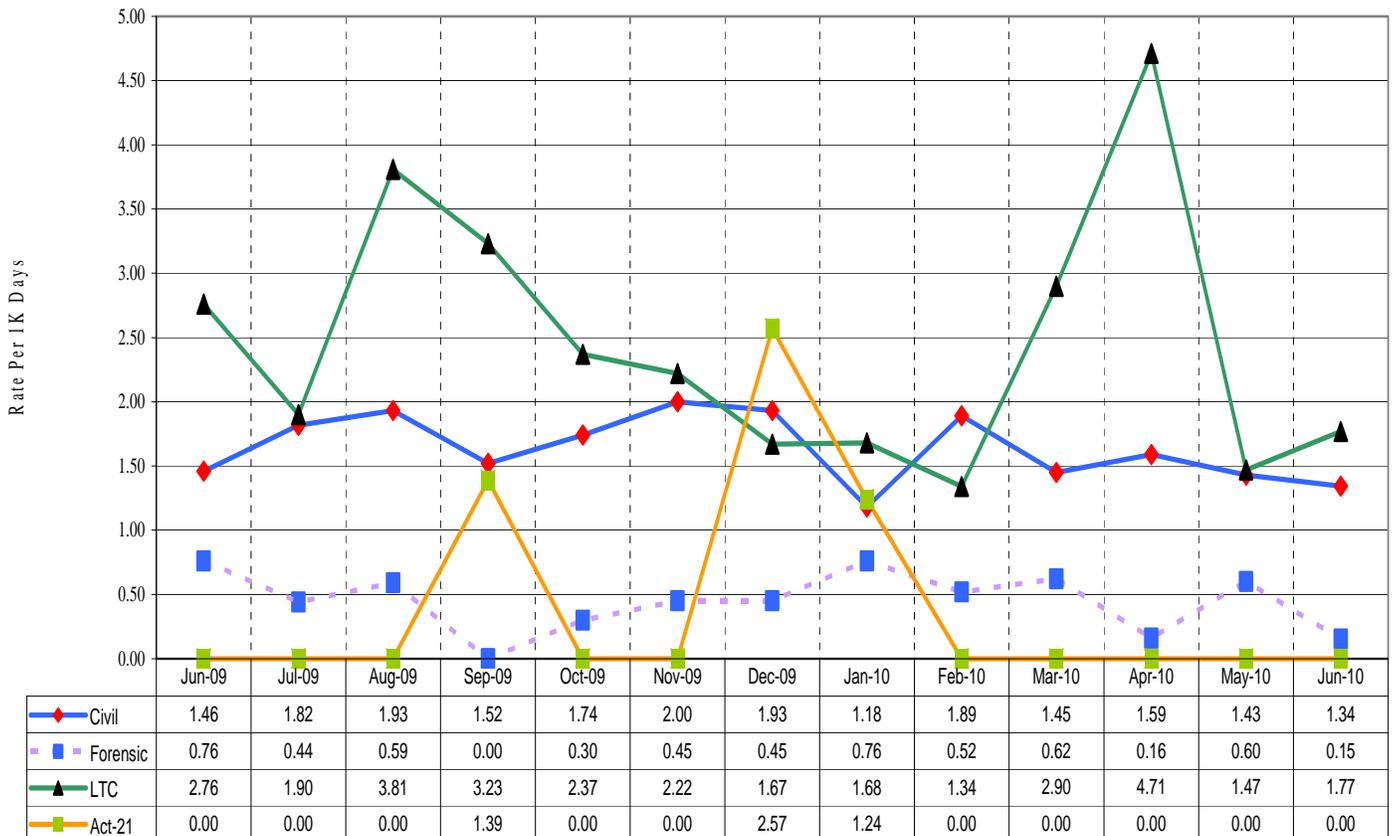
## Falls

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	
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
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	1.22

**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	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Total
NOR				0.50			0.50						1.00
TOR								0.60			0.50		1.10
WAR	0.67	1.00		0.25			2.00		0.05		0.50		4.47
Total	0.67	1.00	0.00	0.75	0.00	0.00	2.50	0.60	0.05	0.00	1.00	0.00	6.57

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

ABV	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Total
NOR	0	0	0	1	0	0	1	0	0	0	0	0	2
TOR	0	0	0	0	0	0	0	1	0	0	1	0	2
WAR	2	1	0	1	0	0	1	0	1	0	1	0	7
Total	2	1	0	2	0	0	2	1	1	0	2	0	11

**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  
June 2010**

ABV	WARD	Total Hrs
NOR	10A1	5.00
CLA	3	0.40
Total		5.40

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

ABV	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Total
CLA	0.00	0.00	0.00	0.00	0.50	0.73	0.00	0.00	0.00	0.00	0.00	0.40	1.63
NOR	0.50	2.08	1.50	2.75	6.25	3.98	5.50	8.53	1.47	0.00	1.08	5.00	38.65
WAR	0.33	0.00	0.00	1.12	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.95
WER	3.00	8.00	4.82	3.90	0.93	3.08	0.00	0.25	1.42	2.00	1.92	0.00	29.32
Total	3.83	10.08	6.32	7.77	8.18	7.80	5.50	8.78	2.88	2.00	3.00	5.40	71.55

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

ABV	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Total
CLA	0	0	0	0	1	1	0	0	0	0	0	1	3
NOR	1	4	1	4	6	6	6	7	2	0	2	1	40
WAR	1	0	0	2	1	0	0	0	0	0	0	0	4
WER	2	2	6	5	2	4	0	1	2	3	4	0	31
Total	4	6	7	11	10	11	6	8	4	3	6	2	78

**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**  
**June 2010**

ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total
TOR	FB4	4.57	NOR	10A1	0.18	NOR	51A2	0.08
CLA	3	1.10	NOR	10A2	0.17	NOR	51C2	0.07
WER	34-4	0.98	NOR	01C1	0.13	CLA	5	0.05
DAN	310	0.98	NOR	51B1	0.12	WAR	IBE	0.05
TOR	071	0.68	NOR	10C1	0.10	WER	37-2	0.03
TOR	023	0.42	TOR	FC1	0.10	TOR	024	0.03
TOR	014	0.40	DAN	312	0.09	CLA	7	0.02
NOR	51C1	0.28	TOR	072	0.08	CLA	2	0.02
ALL	M6	0.28	WAR	FOR	0.08	CLA	6	0.01
WAR	3SW	0.22	DAN	212	0.08			

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

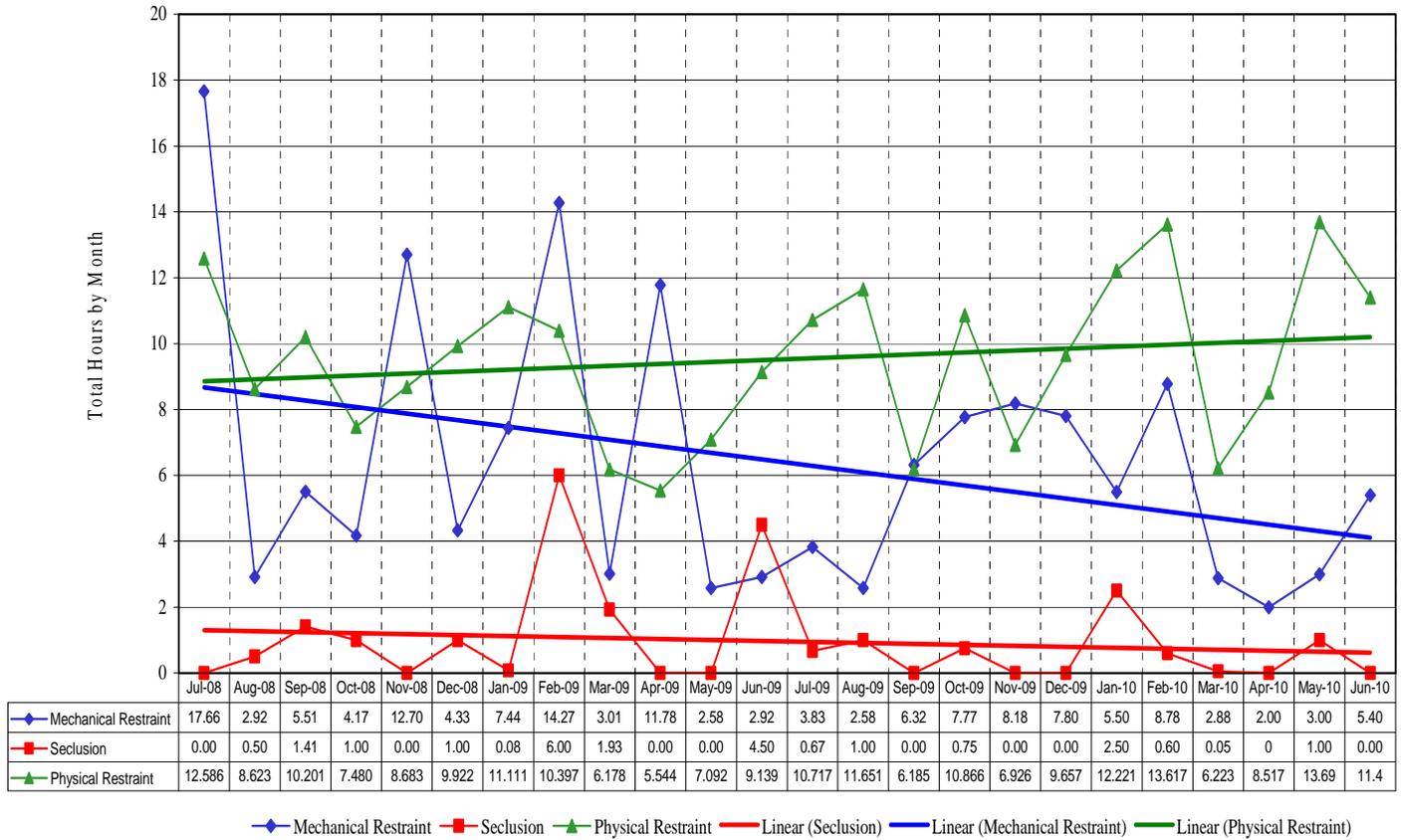
ABV	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Total
ALL	0.29	0.03	0.55	1.06	0.31	0.12	0.72	0.77	0.09	0.00	0.04	0.28	4.26
CLA	0.93	0.55	0.09	0.71	0.30	0.91	0.84	0.92	0.67	0.45	1.06	1.19	8.64
DAN	0.96	0.93	0.80	2.85	0.15	0.34	1.86	1.26	0.55	0.14	0.95	1.15	11.93
NOR	1.56	1.15	0.76	1.14	2.63	5.16	5.00	4.99	0.83	0.98	0.71	1.13	26.03
TOR	4.03	5.58	2.73	3.48	2.27	2.15	3.50	4.54	2.93	2.08	6.01	6.28	45.58
WAR	2.55	2.22	0.25	0.97	0.68	0.13	0.10	0.30	0.41	2.43	0.17	0.35	10.56
WER	0.39	1.19	1.01	0.95	0.58	1.01	0.20	0.84	1.22	2.43	4.85	1.02	15.69
Total	10.72	11.65	6.19	11.14	6.93	9.82	12.22	13.62	6.71	8.52	13.78	11.41	122.69

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

ABV	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Total
ALL	8	2	12	9	4	3	6	4	2	0	2	2	54
CLA	9	16	2	13	6	13	10	16	10	10	12	16	133
DAN	13	18	16	33	8	4	9	7	6	5	14	10	143
NOR	31	25	19	23	27	43	33	32	14	30	12	25	314
TOR	25	39	21	20	11	16	32	15	22	13	27	39	280
WAR	20	13	4	8	8	3	3	4	7	7	3	4	84
WER	7	22	17	14	9	21	8	14	21	20	23	15	191
Total	113	135	91	120	73	103	101	92	82	85	93	111	1199

### 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**

June-10	Civil								Forensic				SRTP	Sys.
Unscheduled Psych Meds	All	Cl	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Total	SRTP	Total
Number of Unique Patients	4	37	33	71	34	46	39	264	21	14	14	49	6	319
% of Census	4.5%	16.6%	19.1%	31.3%	17.1%	27.9%	15.1%	19.8%	15.8%	21.9%	56.0%	22.1%	21.4%	20.1%
Number of Early Med Events	7	0	4	0	5	42	3	61	0	11	6	17	1	79
Number of STAT meds	12	107	106	175	143	138	137	818	45	78	37	160	26	1004
Rate per 1Kdays	4.49	16.17	20.49	26.00	25.07	28.17	17.85	20.72	11.38	43.45	47.74	24.53	30.95	21.44

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

Jun-10	Civil								Forensic			
STAT Use of Combo Meds	All	Cl	Dan	Nor	Tor	War	Wer	Cnt	Nor	Tor	War	Cnt
Chlorpromazine/Lorazepam	0	2	1	8	0	0	7	18	0	0	0	0
Haloperidol/Lorazepam	0	17	0	7	3	0	1	28	1	0	0	1
Olanzapine/Lorazepam	0	10	0	0	0	0	6	16	0	0	0	0
Quetiapine/Lorazepam	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	0	10	4	0	6	20	1	0	0	1
Total	0	29	1	25	7	0	20	82	2	0	0	2

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

ABV	UNIT	Count									
WER	34-4	66	TOR	071	24	WER	35-3	11	CLA	5	5
TOR	FB4	65	TOR	021	22	NOR	51A2	9	NOR	51B2	5
WAR	3SW	52	NOR	10C1	18	WER	35-4	9	NOR	51A1	4
CLA	3	50	CLA	7	18	WER	34-3	9	ALL	M3	4
NOR	10A2	44	WER	35-2	17	WER	37-2	9	CLA	4	4
TOR	022	41	NOR	01C1	16	ALL	M6	8	CLA	1	4
TOR	023	38	DAN	212	15	TOR	FC2	7	WER	34-2	4
NOR	09AF	37	NOR	10A1	15	NOR	09CF	7	WAR	2NM	3
WAR	FOR	37	DAN	311	15	NOR	51B1	7	TOR	072	2
DAN	312	36	CLA	6	14	DAN	211	6	WER	37-3	1
TOR	014	36	NOR	51C2	14	CLA	8	6	DAN	210	1
DAN	310	33	NOR	09AR	14	CLA	2	6	TOR	012	1
WAR	3NM	33	WAR	2SW	12	NOR	51C1	6			
WAR	3IM	26	WAR	IBE	12	TOR	FC1	6			
NOR	01A1	24	WER	37-1	11	TOR	024	5			

Table 25

Route of STAT Medications for Psychiatric Reasons for June

Civil									Forensic				S RTP
Route	ALL	CLA	DAN	NOR	TOR	WAR	WER	Cnt	NOR	TOR	WAR	Cnt	S RTP
IM	9	46	17	100	108	28	45	353	24	54	8	54	12
Oral	3	61	89	75	35	110	92	465	21	24	29	53	14
Totals	12	107	106	175	143	138	137	818	45	78	37	160	26

Table 26

Psychiatric Use of STAT Medications by Shift for June

Civil								
ABV	D	E	N	Count				
ALL	4	5	3	12				
CLA	44	51	12	107	Forensic			
DAN	29	39	38	106	D	E	N	Count
NOR	89	76	10	175	22	19	4	45
TOR	43	91	9	143	37	35	6	78
WAR	39	66	33	138	16	11	10	37
WER	70	50	17	137	S RTP			
Totals	318	378	122	818	3	22	1	26

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
Jun-09	8.32	17.51	21.63	20.95	24.17	28.72	23.50	20.69	6.44	16.24	27.98	24.93	23.05	6.09	20.81
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

## 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				SRTP	Sys
M/Y	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
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
Jun-10	95	150	95	119	89	84	166	798	33	17	14	64	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	Civil								Forensic				SRTP	Sys
M/Y	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
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
Jun-10	*	16	33	11	56	52	51	219	5	6	4	15	0	234

\* 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				SRTP	Sys
M/Y	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
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
Jun-10	*	55	65	109	47	39	99	414	20	26	3	49	0	463

\* 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  
June 2010**

ABV	WARD	Cnt									
WER	37-1	28	WER	34-3	7	NOR	51B1	4	ALL	M5	2
NOR	01C1	22	NOR	09AF	7	SMO	5A	4	ALL	M6	2
NOR	10C1	14	DAN	212	7	TOR	012	4	WAR	IBE	2
DAN	310	14	NOR	10A2	6	WER	37-2	4	WAR	3SW	2
NOR	51A2	10	NOR	51C1	6	TOR	FC1	4	WAR	2NM	2
NOR	01A1	10	TOR	023	6	NOR	51B2	4	NOR	09CF	2
ALL	M3	10	WAR	3NM	5	NOR	51C2	4	NOR	10A1	2
TOR	022	9	CLA	2	5	WER	34-2	4	SMO	6B	2
WER	35-4	9	WAR	2SW	5	DAN	312	3	CLA	6	1
WER	34-4	9	DAN	210	4	WER	37-3	3	NOR	09AR	1
WAR	FOR	8	CLA	7	4	TOR	024	3	TOR	FC2	1
TOR	021	8	CLA	3	4	WER	35-3	3			
WAR	3IM	7	NOR	51A1	4	WER	35-2	3			

*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
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
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

**Table 33**

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

ABV	WARD	Cnt									
WER	35-2	20	NOR	09AF	2	DAN	210	1	WER	37-3	1
TOR	FB4	9	WER	35-3	2	CLA	4	1	SMO	6A	1
DAN	310	7	NOR	51C1	2	ALL	M6	1	TOR	014	1
WER	34-3	7	NOR	01C1	2	CLA	7	1	TOR	022	1
WER	34-4	5	TOR	021	2	NOR	10A1	1	TOR	072	1
SMO	6B	3	DAN	312	2	NOR	10A2	1	WAR	3NM	1
NOR	09AR	3	WER	37-2	2	NOR	51B1	1	WAR	3SW	1
WAR	3IM	3	CLA	3	2	NOR	51B2	1	SMO	3A	1
WER	35-4	3	DAN	311	1	ALL	M3	1			
TOR	071	2	DAN	211	1	SMO	5A	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
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
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