



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

State Hospital Risk Management Summary Report
For May 2010

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PA DPW, Bureau of Community & Hospital Operations
June 21, 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.

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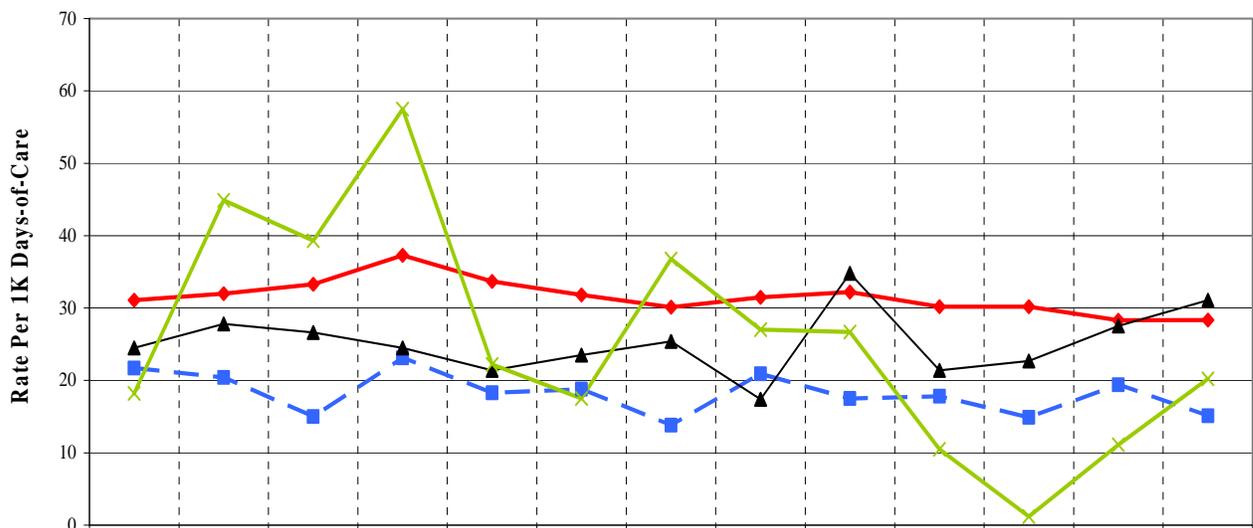
During **May** a total of 1411 incident reports were completed by the state hospital system, which is an increase in such reports from the previous month. Additional records addressing specific categories from the previous month were included on page 4 of this report. Other tables in this report may include additional NRI events regarding these incident reports. The following is a breakdown of incidents by individual facility and type of care:

Table 1

May 2010

Civil	Census 5/31/10	Days Provided	Incidents	Per 1000 Days-of-Care
Allentown	100	3682	98	26.6
Clarks Summit	219	6869	101	14.7
Danville	172	5292	154	29.1
Norristown	225	6886	206	29.9
Torrance	202	6116	184	30.1
Warren	156	4923	131	26.6
Wernersville	250	7372	292	39.6
Total Civil	1324	41140	1166	28.3
Forensic				
Norristown	133	4062	60	14.8
Torrance	58	1799	33	18.3
Warren	27	824	8	9.7
Total Forensic	218	6685	101	15.1
Act 21				
Act 21	28	841	17	20.2
Total Act 21	28	841	17	20.2
Long Term Care				
South Mountain	131	4084	127	31.1
Total L. T. C.	131	4084	127	31.1
Total	1701	52750	1411	26.7

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



	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10
—◆— Civil	31.1	32	33.3	37.3	33.7	31.8	30.1	31.5	32.2	30.2	30.2	28.3	28.3
—■— Forensic	21.7	20.4	15	23.1	18.3	18.8	13.8	20.9	17.5	17.8	14.9	19.4	15.1
—▲— Long Term Care	24.5	27.8	26.6	24.5	21.4	23.5	25.4	17.4	34.8	21.4	22.7	27.5	31.1
—×— Act 21	18.2	44.9	39.3	57.5	22.2	17.5	36.8	27.0	26.7	10.5	1.2	11.1	20.2

**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	12/09	1/10	2/10	3/10	4/10	5/10
Total number of reported airway obstructions or choking incidents at all facilities (Type 1 & 2):	10	7	10	8	11	11
Total number of AWOL's & UA's all facilities:	27	30	33	31	44	41
Total number of falls (Type 1 & 2) at all facilities:	176	180	193	186	196	199
Total number of reported falls involving consumers age 65 or older:	35	57	50	44	56	29
Total number of reported falls involving consumers age 75 or older:	6	20	11	13	26	7
Total number of reported fire setting events:	0	1	0	0	0	1
Total number of reported incidents involving a bone fracture:	7	3	6	2	6	1
Total number of reported deaths for this report period:	2	8	9	3	6	7
Total number of reported incidents involving a burn or scald:	3	5	6	1	6	3
Total number of reported incidents involving a cut or laceration requiring sutures, steri-strips or glue:	12	20	18	9	8	14
Total number of reported incidents of patient-to-patient assault (see note below):	353	373	232	335	285	316
Total number of reported incidents of patient-to-staff assaults:	91	96	100	115	81	76
Total number of reported incidents involving alleged abuse:	16	7 (+)	20	18	15	9
Total percentage for the month of reported incidents involving no physical injury to the Patient:	69%	66%	67%	70%	67%	68%
Total incidents of physical restraint used for the month:	102	101	92	78	85	90
Total hours of physical restraint used for the month:	9.657	12.221	13.617	6.223	8.518	13.69
Incidents of mechanical restraint use for the month:	11	6	8	4	3	6
Total hours of mechanical restraint used for the month:	7.80	5.50	8.78	2.88	2.00	3.00
Total reported incidents involving the use of seclusion:	0	2	1	1	0	2
Total hours of seclusion used for the month:	0	2.50	.60	.05	0	1.00
Total number of reported incidents coded as alleged sexual assault:	1	6	6	10	0	0
Total number of reported incidents of attempted suicide:	7	3	3	3	2	3
Total number of reported incidents involving the threat or plan of suicide:	8	3	4	14	9	10
Total number of reported incidents of illicit drug use/possession:	1	2	2	1	6	6
Total number of medication errors:	43	49	45	37	61	41
Total number of STAT medications administered for psychiatric indications:	1108	1087	998	1154	872 (+)	913

***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**
May 2010

Primary Cat #	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Accident-Injury		3	5	5	4	2	3	22
Adverse Drug Reaction					1			1
Aggression	9	13	3	20	21	14	48	128
Airway Obstruction type 1 Intervention	1	1	3		1	2	1	9
Airway Obstruction type 2 No Intervention	1							1
Alcohol Use/Possession/Suspected or Confirmed			1			2		3
Alleged Pt. Abuse	3	3	2					8
Assault, Pt./Pt	17	30	40	66	33	20	69	275
Assault, Pt./Staff	8	4	14	1	2	2	24	55
Assault: Patient/Other			1	1				2
AWOL/UA	2	2	1	4	3	6	8	26
AWOL-Attempt	1			1	2			4
AWOL-Late			3	1	3	1	3	11
Change in Medical Status-Stabilized		1		8	3			12
Change in Medical Status-Transferred	10	1	1	14	11	3	10	50
Charged post admit/crime committed prior to admit		1						1
Charged with alleged crime on hospital grounds			3					3
Communications Sys. Misuse	1	1	1	1				4
Community Incident		1	1					2
Contraband Possession		2	12	6	3	1	2	26
Fall Type 1-Injury with treatment	3	10	7	6	13	7	13	59
Fall Type 2-No treatment needed	10	13	8	11	11	30	30	113
Family Concern					1	1	1	3
Fire Setting	1							1
Illicit Substance Use/Possession	1			3	1			5
Indeterminate/Unconfirmed Cause of Injury		6	4	3	5		6	24
Medication Error	2	2	5	7		1	5	22
Missing Property	3	1	3	1	2	3		13
Other	11	3		9	20	9	29	81
Procedural Treatment Error	4		2	1				7
Property Damage	2		3	3	5	1	2	16
Seizure		1		3	1			5
Self-Injurious behavior	2	2	27	13	30	22	24	120
Sexual Behavior	2		3	3	2		2	12
Smoking Violation				11	3	1	6	21
Suicide Attempt				1	1	1		3
Suicide threat/plan	2						1	3
Theft	1			2	1	1	2	7
Unknown						1		1
Unsubstantiated Nonconsensual Sexual Activity					1		2	3
Unsubstantiated Patient Abuse	1		1	1			1	4
Totals	98	101	154	206	184	131	292	1166

Table 3

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

Primary effect	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Not Reported			1	2				3
Abrasion/scrape/scratch/hematoma	2	7	13	16	17	11	21	87
Allergic reaction					1			1
Asphyxiation							1	1
Bite-Insect				1				1
Blister					2			2
Body System Illness				7	2	3	2	14
Bruise/contusion/discoloration	3	8	3	5	9	5	9	42
Burn/Scald				1	1			2
Cellulitis	1			1				2
Constipation				1			1	2
Damaged or lost tooth				1		1	1	3
Death		1		1			1	3
Edema/swelling		1	1	2	3	1	3	11
Emesis	1				1	1		3
Epistaxis	1	1	1	1	1			5
Erythema/redness	1	1	5	4	9	1	3	24
Fever	2			4				6
Ingestion of foreign body	1			2	4	1	1	9
Laceration: NO sutures/staples/steri-strips		1	1	6	4	4	7	23
Laceration: with steristrips/glue		2	2			1		5
Laceration: with sutures/staples		5			3			8
Lethargy	2			1			2	5
No Injury/NA	75	67	120	133	99	98	226	818
Other	3	1		3	9	2	4	22
Pain, Specified	3	5	4	9	17	2	4	44
Puncture/stab wound	1						1	2
Respiratory Distress	2	1		1	1		3	8
Seizure				2				2
Skin Irritation/Rash				1	1			2
Sunburn			1					1
Syncopal episode			2	1			1	4
Unconscious/Unresponsive							1	1
Totals	98	101	154	206	184	131	292	1166

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	1		1			5
Adverse Drug Reaction				1	1		1				3
Aggression	2	1		1	1	1	5	9	3	2	25
Alleged Pt. Abuse						1					1
Assault, Pt./Pt	2	6	4	4		4			3		23
Assault, Pt./Staff			2			1	1	2	1		7
Change in Medical Status-Stabilized			2		1				1		4
Change in Medical Status-Transferred		1		1	1	2					5
Communications Sys. Misuse		1		2							3
Contraband Possession						2			1		3
Fall Type 1-Injury with treatment		1		1				1	1		4
Fall Type 2-No treatment needed				1	1		1				3
Indeterminate/Unconfirmed Cause of Injury			1		1						2
Other								2	1		3
Property Damage			1								1
Self-Injurious behavior					1			3			4
Sexual Behavior									1		1
Smoking Violation				1							1
Suicide threat/plan								1			1
Theft						2					2
Totals	4	11	10	12	9	14	8	19	12	2	101

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		2			1			4
Body System Illness		1	1	2							4
Bruise/contusion/discoloration			1	2	1	1	2	1			8
Burn/Scald								1			1
Erythema/redness		1	1								2
Laceration: NO sutures/staples/steri-strips		1				1		1			3
No Injury/NA	4	8	6	2	9	6	9	14	10	2	70
Other				1	1						2
Pain, Specified				2			1	1	1		5
Seizure									1		1
Syncopal episode					1						1
Totals	4	11	10	9	14	8	12	19	12	2	101

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

Table 6 Cause of Incidents in the Long Term Care Facility

Cause	3A	3B	5A	6A	6B	Count
Accident-Injury	2	7	2	4	3	18
Adverse Drug Reaction	1					1
Aggression	2		2		2	6
Assault, Pt./Pt	4	10	2			16
Assault, Pt./Staff		3	1		1	5
Change in Medical Status-Transferred	2	3	5	3		13
Fall Type 1-Injury with treatment	1	1	2		2	6
Fall Type 2-No treatment needed	2	6	1	1		10
Medication Error	3	3	9	3	1	19
Other		15	2	2	1	20
Procedural Treatment Error	1					1
Property Damage		1	1		2	4
Self-Injurious behavior	1	3		1		5
Smoking Violation			1			1
Suicide threat/plan				2		2
Totals	19	52	28	16	12	127

Table 7 Effect of Incidents in the Long Term Care Facility

EFFECT	3A	3B	5A	6A	6B	Count
Abrasion/scrape/scratch/hematoma	3	8	2	4	3	20
Allergic reaction	1					1
Blister		1				1
Body System Illness			2	1		3
Bruise/contusion/discoloration	1	7				8
Death		1		2	1	4
Edema/swelling			1			1
Epistaxis		1		1		2
Fracture					1	1
Laceration: NO sutures/staples/steri-strips		1	2			3
Laceration: with sutures/staples					1	1
Lethargy			1			1
No Injury/NA	12	30	18	6	6	72
Other			1			1
Pain, Specified				1		1
Respiratory Distress		3		1		4
Seizure	1					1
Unconscious/Unresponsive	1		1			2
Totals	19	52	28	16	12	127

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	2	2
Aggression	3	3
Assault, Pt./Staff	7	7
Change in Medical Status-Stabilized	2	2
Change in Medical Status-Transferred	1	1
Self-Injurious behavior	1	1
Sexual Behavior	1	1
Totals	17	17

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

Primary effect	TOR	Count
Abrasion/scrape/scratch/hematoma	2	2
Bruise/contusion/discoloration	2	2
No Injury/NA	7	7
Other	1	1
Pain, Specified	2	2
Syncopal episode	1	1
Unconscious/Unresponsive	2	2
Totals	17	17

Physical Health Measures

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

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

Table 10

Month	Tobacco Use	ALL	CLA	DAN	NOR	TOR	WAR	WER	Civil Total	LTC	System Total
Aug-09	Total Users	104	135	77	160	111	92	124	803	14	817
	% of Census	61%	62%	48%	66%	52%	56%	58%	58%	10%	54%
Nov-09	Total Users	96	132	84	158	109	95	120	794	14	808
	% of Census	56%	61%	50%	66%	52%	59%	56%	57%	10%	55%
Feb-10	Total Users	96	133	85	160	113	83	121	791	17	808
	% of Census	56%	61%	49%	69%	53%	53%	56%	58%	13%	54%
May-10	Total Users	NR	141	77	151	111	93	143	716	5	721
	% of Census	NR	64%	45%	67%	55%	60%	57%	54%	18%	53%

*Note: Smoking is not permitted in the Forensic Centers. NR=Not Reported.

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	
May10 Patient Census	100	219	172	225	202	156	250	1324	133	58	27	218	28	131	1701
May10 Count	30	37	32	56	45	31	42	273	12	7	2	21	0	41	335
% w/ Diabetes	30%	17%	19%	25%	22%	20%	17%	21%	9%	12%	7%	10%	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
May 2010**

Cause	ALL	CLA	DAN	NOR	SMO	TOR	WAR	WER	Count
Accident-Injury			1	1					2
Airway Obstruction type 1 Intervention		1							1
Alcohol Use/Possession/Suspected or Confirmed							1		1
Assault, Pt./Pt				3					3
Change in Medical Status-Stabilized				2					2
Change in Medical Status-Transferred	10	1	1	19	13	10	3	8	65
Fall Type 1-Injury with treatment					2				2
Other				1				1	2
Seizure				1					1
Self-Injurious behavior				2				2	4
Suicide Attempt				1			1		2
Unsubstantiated Nonconsensual Sexual Activity								1	1
Totals	10	2	2	30	15	10	5	12	86

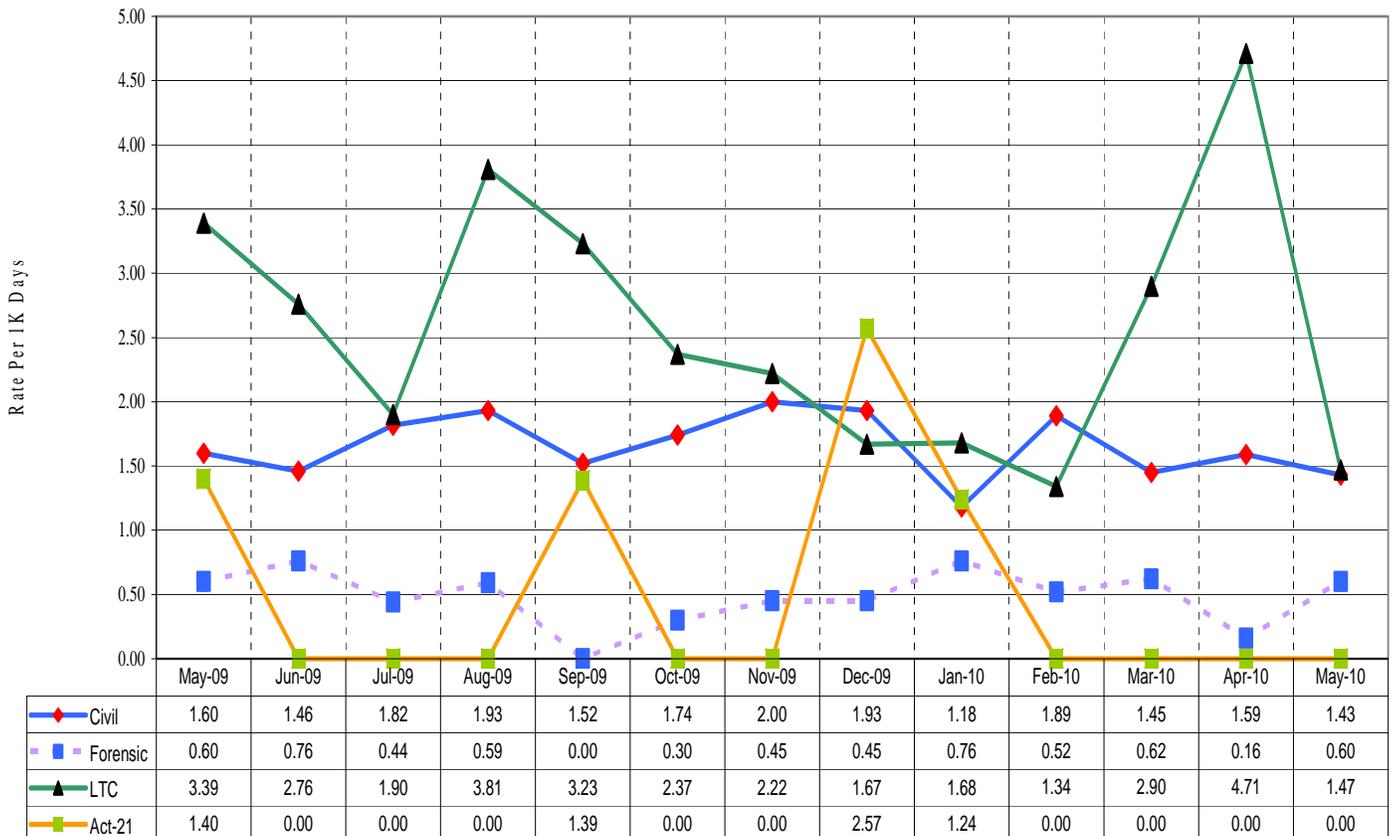
Falls

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	
May-09	2.06	2.20	1.82	1.46	1.77	1.24	0.75	1.60	0.49	0.53	1.43	0.60	1.40	3.39	1.62
Jun-09	1.55	2.30	1.26	0.56	2.09	1.89	0.77	1.46	0.76	1.04	0.00	0.76	0.00	2.76	1.45
Jul-09	2.27	2.21	0.99	1.24	2.52	2.17	1.34	1.82	0.73	0.00	0.00	0.44	0.00	1.90	1.63
Aug-09	2.28	1.78	1.40	0.81	3.20	2.69	1.65	1.93	0.73	0.00	1.34	0.59	0.00	3.81	1.88
Sep-09	1.57	0.92	1.41	0.55	2.44	1.99	2.00	1.52	0.00	0.00	0.00	0.00	1.39	3.23	1.46
Oct-09	2.46	1.48	1.15	1.20	2.21	1.92	1.93	1.74	0.24	0.00	1.27	0.30	0.00	2.37	1.59
Nov-09	2.17	1.99	0.58	0.69	2.45	2.61	3.54	2.00	0.76	0.00	0.00	0.45	0.00	2.22	1.79
Dec-09	0.56	1.78	1.66	1.75	1.91	2.17	3.44	1.93	0.25	1.12	0.00	0.45	2.57	1.67	1.70
Jan-10	0.56	1.32	1.27	0.94	2.54	0.61	0.89	1.18	0.50	1.66	0.00	0.76	1.24	1.68	1.17
Feb-10	3.21	1.80	2.06	0.47	2.83	1.38	1.82	1.89	0.00	1.34	1.39	0.52	0.00	1.34	1.66
Mar-10	1.01	2.81	0.56	0.85	3.02	0.62	0.89	1.45	0.00	1.80	1.25	0.62	0.00	2.90	1.63
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

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	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Total
NOR					0.50			0.50					1.00
TOR	4.50								0.60			0.50	5.60
WAR		0.67	1.00		0.25			2.00		0.05		0.50	4.47
Total	4.50	0.67	1.00	0.00	0.75	0.00	0.00	2.50	0.60	0.05	0.00	1.00	11.07

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

ABV	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Total
NOR	0	0	0	0	1	0	0	1	0	0	0	0	2
TOR	3	0	0	0	0	0	0	0	1	0	0	1	5
WAR	0	2	1	0	1	0	0	1	0	1	0	1	7
Total	3	2	1	0	2	0	0	2	1	1	0	2	14

**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
May 2010**

ABV	WARD	Total Hrs
WER	34-4	1.92
NOR	10A2	1.00
NOR	10A1	0.08
Total		3.00

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

ABV	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Total
CLA	0.42	0.00	0.00	0.00	0.00	0.50	0.73	0.00	0.00	0.00	0.00	0.00	1.65
NOR	0.50	0.50	2.08	1.50	2.75	6.25	3.98	5.50	8.53	1.47	0.00	1.08	34.15
WAR	0.00	0.33	0.00	0.00	1.12	0.50	0.00	0.00	0.00	0.00	0.00	0.00	1.95
WER	2.00	3.00	8.00	4.82	3.90	0.93	3.08	0.00	0.25	1.42	2.00	1.92	31.32
Total	2.92	3.83	10.08	6.32	7.77	8.18	7.80	5.50	8.78	2.88	2.00	3.00	69.07

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

ABV	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Total
CLA	1	0	0	0	0	1	1	0	0	0	0	0	3
NOR	1	1	4	1	4	6	6	6	7	2	0	2	40
WAR	0	1	0	0	2	1	0	0	0	0	0	0	4
WER	1	2	2	6	5	2	4	0	1	2	3	4	32
Total	3	4	6	7	11	10	11	6	8	4	3	6	79

**State Hospital Use of Physical Restraint
Civil and Forensic**

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

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

ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total
WER	34-4	4.61	NOR	10A2	0.18	ALL	M5	0.04
TOR	FB4	2.93	DAN	212	0.17	NOR	01C1	0.03
TOR	071	1.07	TOR	FC1	0.17	WER	35-4	0.03
TOR	072	1.00	WAR	FOR	0.17	CLA	7	0.02
CLA	3	0.79	NOR	10A1	0.17	NOR	51B1	0.01
DAN	310	0.51	NOR	09AF	0.17	DAN	211	0.01
TOR	023	0.50	WER	34-2	0.12	NOR	51B2	0.01
TOR	014	0.34	WER	35-2	0.08	NOR	51C2	0.01
CLA	6	0.25	DAN	312	0.07			
DAN	210	0.20	NOR	51A2	0.05			

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

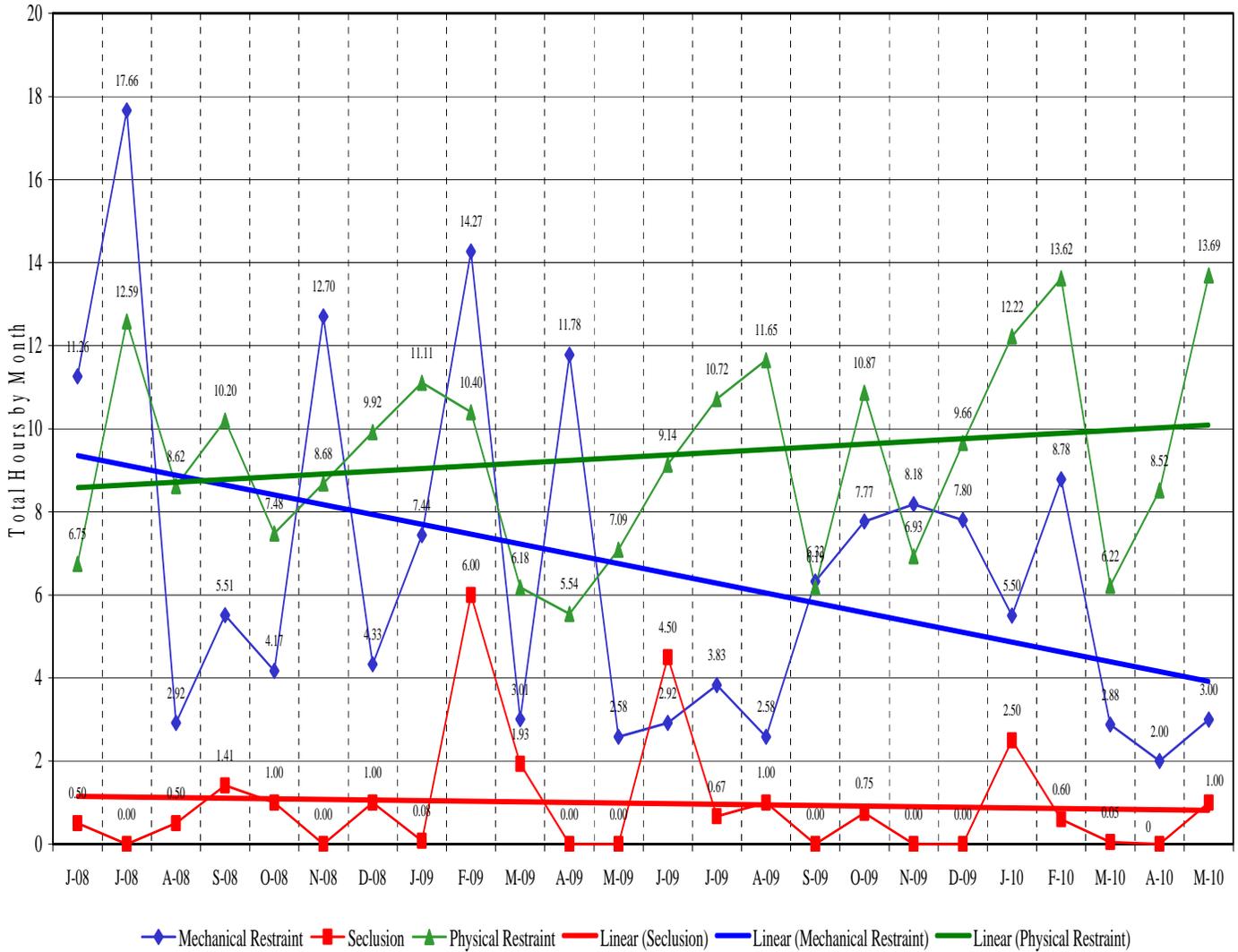
ABV	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Total
ALL	0.42	0.29	0.03	0.55	1.06	0.31	0.12	0.72	0.77	0.09	0.00	0.04	4.39
CLA	0.62	0.93	0.55	0.09	0.71	0.30	0.91	0.84	0.92	0.67	0.45	1.06	8.07
DAN	0.24	0.96	0.93	0.80	2.85	0.15	0.34	1.86	1.26	0.55	0.14	0.95	11.02
NOR	1.33	1.56	1.15	0.76	1.14	2.63	5.16	5.00	4.99	0.83	0.98	0.62	26.15
TOR	4.08	4.03	5.58	2.73	3.48	2.27	2.15	3.50	4.54	2.93	2.08	6.01	43.38
WAR	2.53	2.55	2.22	0.25	0.97	0.68	0.13	0.10	0.30	0.41	2.43	0.17	12.74
WER	0.17	0.39	1.19	1.01	0.95	0.58	1.01	0.20	0.84	1.22	2.43	4.84	14.83
Total	9.39	10.72	11.65	6.19	11.14	6.93	9.82	12.22	13.62	6.71	8.52	13.69	120.58

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

ABV	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Total
ALL	8	8	2	12	9	4	3	6	4	2	0	2	60
CLA	11	9	16	2	13	6	13	10	16	10	10	12	128
DAN	8	13	18	16	33	8	4	9	7	6	5	14	141
NOR	22	31	25	19	23	27	43	33	32	14	30	10	309
TOR	34	25	39	21	20	11	16	32	15	22	13	27	275
WAR	11	20	13	4	8	8	3	3	4	7	7	3	91
WER	7	7	22	17	14	9	21	8	14	21	20	22	182
Total	101	113	135	91	120	73	103	101	92	82	85	90	1186

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**

May-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	15	31	24	46	42	45	33	236	24	14	8	46	6	570
% of Census	15.0%	14.2%	14.0%	20.4%	20.8%	28.8%	13.2%	17.8%	18.0%	24.1%	29.6%	21.1%	21.4%	18.3%
Number of Early Med Events	4	0	0	0	1	62	4	71	0	4	36	40	1	223
Number of STAT meds	30	95	139	139	167	189	154	913	46	64	54	164	23	2177
Rate per 1Kdays	8.66	13.83	26.27	20.19	27.31	38.39	20.89	22.31	11.32	35.58	65.53	24.53	27.35	22.66

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

STAT Use of Combo Meds	Civil								Forensic			
	All	Cla	Dan	Nor	Tor	War	Wer	Cnt	Nor	Tor	War	Cnt
Chlorpromazine/Lorazepam	2	3	0	4	0	0	11	20	0	0	0	0
Haloperidol/Lorazepam	3	8	0	13	1	0	3	28	4	1	0	5
Olanzapine/Lorazepam	0	15	0	0	0	0	3	18	0	0	0	0
Quetiapine/Lorazepam	0	0	0	0	0	0	1	1	0	0	0	0
Use of 3 medications	0	0	0	0	0	0	0	0	0	0	0	0
Other Neuroleptic combos	0	3	1	2	1	0	9	16	0	1	1	2
Total	5	29	1	19	2	0	27	83	4	2	1	7

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

ABV	UNIT	Count									
WAR	3SW	93	WER	35-3	23	CLA	7	12	WAR	2NM	6
WAR	FOR	54	WAR	3IM	22	NOR	10A1	11	ALL	M4	5
DAN	310	52	TOR	071	22	ALL	M6	11	TOR	024	5
WER	34-4	50	TOR	021	20	WAR	2SW	11	WER	37-2	5
TOR	023	49	WER	37-1	20	NOR	09AR	10	NOR	51A1	5
WAR	3NM	47	NOR	09AF	19	WAR	IBE	10	NOR	51B1	4
DAN	312	45	NOR	01C1	18	NOR	51B2	10	ALL	M3	4
TOR	014	43	WER	35-4	17	NOR	51C2	8	DAN	210	3
CLA	3	36	WER	34-2	17	TOR	013	8	DAN	211	3
TOR	FB4	36	TOR	FC1	16	ALL	M5	8	CLA	4	3
NOR	10A2	33	NOR	09CF	16	WER	35-2	7	TOR	011	2
TOR	022	33	WER	34-3	15	TOR	012	7	ALL	3W	2
CLA	6	31	NOR	51A2	13	DAN	311	6	CLA	8	1
DAN	212	30	TOR	FC2	12	NOR	51C1	6	NOR		1
NOR	01A1	26	CLA	2	12	NOR	10C1	6	TOR	072	1

Table 25

Route of STAT Medications for Psychiatric Reasons for May

Civil									Forensic				SRTP
Route	ALL	CLA	DAN	NOR	TOR	WAR	WER	Cnt	NOR	TOR	WAR	Cnt	SRTP
IM	10	40	42	77	122	38	49	378	21	46	16	54	16
Oral	20	55	97	62	45	151	105	535	25	18	38	53	7
Totals	30	95	139	139	167	189	154	913	46	64	54	164	23

Table 26

Psychiatric Use of STAT Medications by Shift for May

Civil								
ABV	D	E	N	Count	Forensic			
ALL	15	10	5	30				
CLA	49	45	1	95				
DAN	37	60	42	139	D	E	N	Count
NOR	76	51	12	139	22	22	2	46
TOR	39	113	15	167	37	21	6	64
WAR	60	103	26	189	13	18	23	54
WER	59	72	23	154	SRTP			
Totals	335	454	124	913	5	18	0	28

Table 27

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

Civil										Forensic					SRTP
Month	All	Cla	Dan	Nor	Tor	War	Wer	Total	Std Dev	Nor	Tor	War	Total	Std Dev	SRTP
May-09	7.50	16.98	29.32	22.95	24.46	22.15	25.33	21.29	7.11	22.87	15.47	11.48	19.58	5.78	16.83
Jun-09	8.32	17.51	21.63	20.95	24.17	28.72	23.50	20.68	6.44	16.24	27.98	24.93	20.60	6.09	20.81
Jul-09	5.42	13.26	25.65	27.25	37.72	47.11	18.22	24.40	14.28	20.42	25.42	40.90	24.15	10.68	30.86
Aug-09	6.26	15.89	30.40	29.57	25.79	49.24	26.56	25.99	13.32	12.71	20.40	84.68	22.83	39.52	41.04
Sep-09	9.61	12.11	29.86	23.37	28.36	29.87	30.43	23.32	8.90	10.86	18.11	42.36	16.63	16.50	12.50
Oct-09	11.76	14.23	40.47	20.65	43.53	25.19	22.81	25.22	12.22	13.64	7.99	35.58	14.63	14.57	23.55
Nov-09	15.21	13.47	28.79	23.52	25.98	37.99	20.14	23.15	8.41	10.36	9.51	25.30	11.81	8.88	21.80
Dec-09	8.79	13.95	24.02	29.67	34.07	23.88	27.06	23.44	8.84	18.36	15.70	51.98	21.72	20.22	30.85
Jan-10	13.67	10.15	20.94	36.72	40.68	23.07	12.49	22.88	12.02	14.25	34.31	39.70	22.83	13.41	74.63
Feb-10	6.21	13.38	27.13	30.29	40.98	30.25	21.83	24.45	11.62	14.84	6.04	33.24	14.87	13.88	23.72
Mar-10	6.87	14.64	21.20	27.79	42.42	32.27	24.54	24.56	11.62	17.33	16.79	40.05	20.00	13.28	57.71
Apr-10	5.63	10.88	19.20	23.79	25.71	27.26	17.79	18.62	7.97	17.64	24.29	40.74	22.14	11.89	19.36
May-10	8.66	13.83	26.27	20.19	27.31	38.39	20.89	22.31	9.69	11.32	35.58	65.53	24.53	27.15	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	Cl	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
Aug-09	126	143	91	117	89	102	100	768	30	23	15	68	3	839
Nov-09	134	138	97	117	87	103	95	771	28	16	16	60	3	834
Feb-10	144	142	103	117	82	91	94	773	33	14	16	63	3	839
May-10	103	150	99	118	85	78	117	750	30	16	17	63	3	816

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	Cl	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
Aug-09	2	10	24	15	42	61	33	187	3	3	1	7	0	194
Nov-09	6	10	35	20	52	53	41	217	4	4	4	12	0	229
Feb-10	1	18	33	14	56	52	48	222	4	5	3	12	0	234
May-10	*	15	36	23	53	49	49	225	4	6	6	16	0	241

* 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	Cl	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
Aug-09	47	55	55	109	49	38	65	418	26	22	5	53	0	471
Nov-09	55	78	58	105	37	39	73	445	30	20	3	53	0	498
Feb-10	*	68	66	110	42	33	70	389	26	18	3	47	0	436
May-10	*	52	57	109	47	40	93	398	25	24	4	53	0	451

* 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
May 2010**

ABV	WARD	Cnt									
WER	35-4	19	NOR	09AF	8	DAN	212	4	CLA	8	2
WER	37-1	19	ALL	M6	8	WAR	3SW	4	WAR	2NM	2
DAN	310	16	WAR	3IM	6	NOR	51B2	4	CLA	6	2
NOR	01A1	15	WAR	3NM	6	SMO	3A	4	CLA	5	2
NOR	09CF	14	CLA	2	6	NOR	51B1	4	WAR	2SW	2
CLA	3	14	WER	35-2	6	TOR	024	3	NOR	10A1	2
TOR	023	14	NOR	51A2	6	WER	35-3	3	WAR	IBE	2
DAN	312	13	WER	34-4	5	TOR	FC1	3	NOR	51A1	2
NOR	01C1	10	ALL	M3	5	NOR	10C1	3	TOR	011	1
SMO	3B	10	NOR	09AR	4	DAN	210	3			
NOR	10A2	10	DAN	211	4	TOR	014	2			
TOR	013	9	NOR	51C2	4	TOR	022	2			
WER	34-3	9	CLA	7	4	TOR	012	2			
WER	34-2	8	ALL	M5	4	SMO	5A	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	Cla	Dan	Nor	Tor	War	Wer	Tot.	Nor	Tor	War	Tot.	S RTP
May-09	1.87	1.17	1.21	3.98	2.90	1.03	1.80	2.10	2.70	2.13	2.87	2.56	n/a
Jun-09	0.97	1.23	1.26	2.93	1.77	0.21	0.93	1.41	2.79	2.59	5.87	3.05	4.35
Jul-09	1.57	1.18	1.57	4.40	2.52	0.59	0.90	1.91	1.70	2.60	0.00	1.77	0.00
Aug-09	3.03	2.23	1.20	3.90	2.08	3.08	1.50	2.47	3.91	3.14	1.34	3.41	0.00
Sep-09	1.57	0.77	0.61	2.06	2.12	1.99	1.69	1.57	2.53	0.00	2.57	1.81	0.00
Oct-09	2.09	0.89	1.34	2.40	2.80	1.54	1.18	1.77	3.90	0.00	2.54	2.66	2.69
Nov-09	1.78	1.22	2.72	2.08	1.14	1.61	1.38	1.68	1.52	0.53	0.00	1.06	1.36
Dec-09	1.12	0.89	1.66	3.22	1.91	1.58	0.90	1.65	3.46	0.56	1.24	2.41	0.00
Jan-10	3.00	1.18	2.18	3.22	0.48	0.61	1.19	1.72	1.25	0.00	1.24	0.91	1.24
Feb-10	1.50	0.82	0.62	1.58	1.77	1.60	0.99	1.26	2.85	0.67	0.00	1.92	0.00
Mar-10	2.42	1.18	0.74	2.40	3.50	0.41	1.34	1.76	2.67	0.60	0.00	1.86	0.00
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

Table 33

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

ABV	WARD	Cnt									
WER	35-2	9	SMO	3B	3	CLA	7	1	WER	35-3	1
WER	34-4	5	CLA	3	3	DAN	211	1	SMO	5A	1
TOR	072	4	WER	34-2	3	DAN	311	1			
WER	34-3	4	ALL	M4	3	NOR	09AF	1			
DAN	310	3	ALL	M5	2	NOR	51C2	1			
DAN	212	3	TOR	014	2	SMO	6B	1			
ALL	M3	3	WER	37-1	2	TOR	FC1	1			
TOR	071	3	WAR	IBE	2	WAR	3IM	1			
DAN	312	3	NOR	51B1	2	WAR	3NM	1			
DAN	210	3	TOR	FB4	2	WAR	FOR	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	Cla	Dan	Nor	Tor	War	Wer	Tot.	Nor	Tor	War	Tot.	S RTP
May-09	0.37	0.44	0.81	0.53	0.16	0.41	1.50	0.61	0.49	0.00	0.00	0.30	n/a
Jun-09	0.19	0.15	0.84	0.84	0.16	0.21	0.77	0.46	0.51	0.52	0.00	0.46	1.45
Jul-09	0.52	0.88	0.99	0.55	0.79	0.00	1.64	0.79	0.00	0.00	1.32	0.15	1.40
Aug-09	0.57	0.30	1.20	0.94	0.32	0.58	1.50	0.78	0.49	0.00	4.03	0.74	1.37
Sep-09	1.76	0.00	0.20	0.55	0.49	0.60	1.08	0.65	0.25	0.00	0.00	0.15	2.78
Oct-09	1.33	0.44	0.95	0.53	0.63	0.77	0.30	0.67	0.24	0.53	0.00	0.30	1.34
Nov-09	0.79	0.15	1.56	0.14	0.49	0.40	1.08	0.63	0.25	0.00	0.00	0.15	0.00
Dec-09	1.31	0.30	1.48	0.81	0.77	0.20	0.60	0.76	1.73	0.00	0.00	1.05	0.00
Jan-10	2.62	1.03	0.55	2.81	1.75	1.01	0.74	1.53	3.50	3.32	1.24	3.18	3.73
Feb-10	0.43	1.14	0.41	0.79	0.53	0.00	0.66	0.60	1.43	0.00	0.00	0.87	0.58
Mar-10	0.81	0.44	0.56	0.28	0.48	0.41	2.23	0.76	0.50	0.00	0.00	0.31	0.00
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