



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

*State Hospital Risk Management Summary Report
For October 2009*

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State Hospital Risk Management Summary Report October 2009

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

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

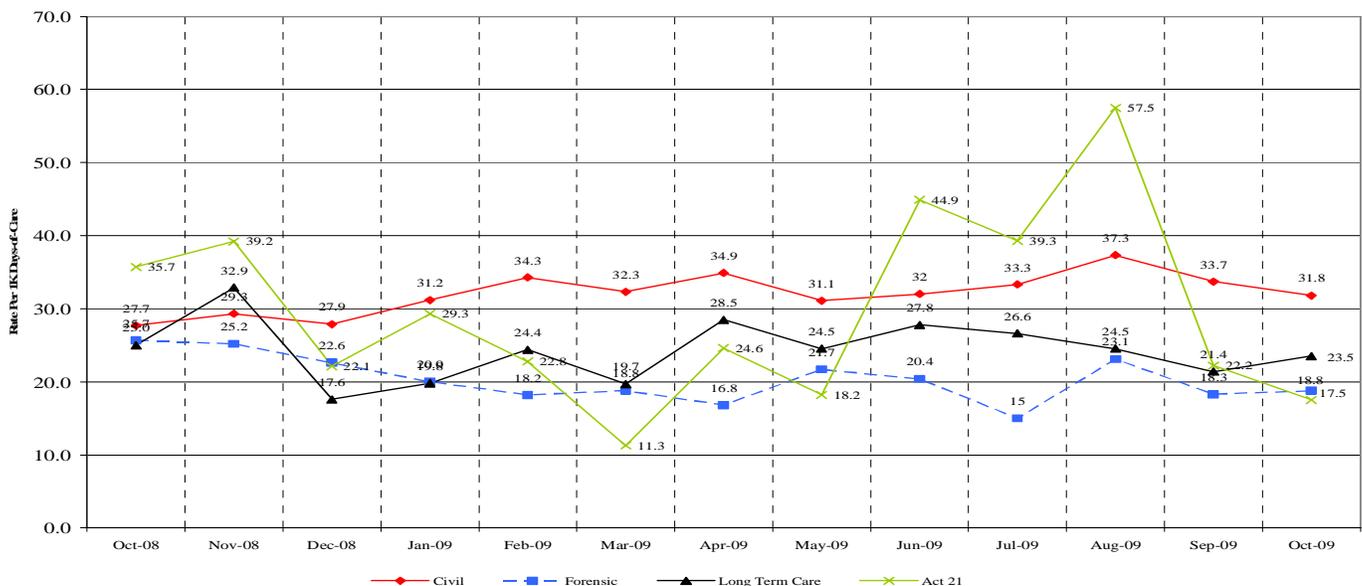
During **October** a total of 1609 incident reports were completed by the state hospital system, which is a decrease of events from the previous month. Additionally, 19 prior month records were added to the database. These records are included in all monthly comparisons (page 3) made in this summary report. The following is a breakdown of incidents by individual facility and type of care:

Table 1

October 2009

Civil	Census	Days Provided	Incidents	Per 1000 Days-of-Care
Allentown	169	5274	246	46.6
Clarks Summit	218	6745	100	14.8
Danville	169	5239	198	37.8
Norristown	243	7507	220	29.3
Torrance	216	6341	202	31.9
Warren	166	5201	140	26.9
Wernersville	218	6752	264	39.1
Total Civil	1399	43059	1370	31.8
Forensic				
Norristown	132	4105	94	22.9
Torrance	60	1877	7	3.7
Warren	24	787	26	33.0
Total Forensic	216	6769	127	18.8
Act 21				
Act 21	24	744	13	17.5
Total Act 21	24	744	13	17.5
Long Term Care				
South Mountain	135	4220	99	23.5
Total L. T. C.	135	4220	99	23.5
Total	1774	54792	1609	29.4

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



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

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

Primary Cause or Effects of High Profile Events	5/09	6/09	7/09	8/09	9/09	10/09
Total number of reported airway obstructions or choking incidents at all facilities (Type 1 & 2):	6	12	9	7	+5	9
Total number of AWOL's & UA's all facilities:	53	59	57	49	39	31
Total number of falls (Type 1 & 2) at all facilities:	171	149	188	209	+199	181
Total number of reported falls involving consumers age 65 or older:	38	29	45	45	39	40
Total number of reported falls involving consumers age 75 or older:	12	11	18	19	18	15
Total number of reported fire setting events:	0	0	0	0	0	2
Total number of reported incidents involving a bone fracture:	6	9	3	8	6	4
Total number of reported deaths for this report period:	3	5	0	4	6	4
Total number of reported incidents involving a burn or scald:	3	5	5	9	0	4
Total number of reported incidents involving a cut or laceration requiring sutures, steri-strips or glue:	15	14	16	19	14	27
Total number of reported incidents of patient-to-patient assault (see note below):	369	386	415	473	445	361
Total number of reported incidents of patient-to-staff assaults:	106	102	111	125	95	110
Total number of reported incidents involving alleged abuse:	12	7	16	+20	-13	21
Total percentage for the month of reported incidents involving no physical injury to the Patient:	66%	68%	68%	66%	69%	64%
Total incidents of physical restraint used for the month:	90	100	113	134	90	118
Total hours of physical restraint used for the month:	7.092	9.139	10.717	11.651	6.185	10.866
Incidents of mechanical restraint use for the month:	5	3	4	+6	7	11
Total hours of mechanical restraint used for the month:	2.58	2.92	3.83	+10.08	6.32	7.77
Total reported incidents involving the use of seclusion:	0	3	2	1	0	2
Total hours of seclusion used for the month:	0	4.50	0.67	1.00	0	0.75
Total number of reported incidents coded as alleged sexual assault:	0	6	3	8	4	3
Total number of reported incidents of attempted suicide:	3	0	4	2	6	0
Total number of reported incidents involving the threat or plan of suicide:	6	7	6	12	4	4
Total number of reported incidents of illicit drug use/possession:	1	1	0	0	1	0
Total number of medication errors:	45	53	43	52	56	59
Total number of STAT medications administered for psychiatric indications:	998	958	1149	1205	997	1128

***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**
October 2009

Primary Cat #	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Accident-Injury	5	2	8	7	3	7	9	41
Adverse Drug Reaction	1	4		1		1		7
Aggression	16	5	9	40	13	14	57	154
Airway Obstruction type 1 Intervention	1	1	1			1		4
Airway Obstruction type 2 No Intervention	2		2			1		5
Alleged Nonconsensual Sexual Activity	1							1
Alleged Pt. Abuse	7	3	1		1	2	3	17
Assault, Pt./Pt	45	23	31	65	54	23	49	290
Assault, Pt./Staff	18	9	17	17	7	11	18	97
Assault: Patient/Other	1							1
AWOL/UA	4	2	2		2	1	5	16
AWOL-Attempt	1		1		1		1	4
AWOL-Late	2		4		1	2	2	11
Change in Medical Status-Stabilized	2				4			6
Change in Medical Status-Transferred	15	7	2	17	8	1	2	52
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			3
Community Incident	1		1		2			4
Contraband Possession	3		13	2	2	3	1	24
Fall Type 1-Injury with treatment	13	10	6	9	14	10	13	75
Fall Type 2-No treatment needed	12	6	13	4	13	17	22	87
Family Concern					7		1	8
Fire Setting				1	1			2
Indeterminate/Unconfirmed Cause of Injury	9	5	2	7	6	1	4	34
Medication Error	3	2	7	7	1	4	8	32
Missing Property	3	1	3		3	2	4	16
Other	37	7	9	8	21	12	19	113
Procedural Treatment Error	3	1	1	2			1	8
Property Damage	2	1	7	1	4	2	6	23
Seizure		4		1			6	11
Self-Injurious behavior	17	6	49	11	21	13	29	146
Sexual Behavior	4		1	1	4	1	2	13
Smoking Violation	14		2	13	6	5		40
Suicide threat/plan	1			2				3
Theft	1			3	1	1	1	7
Unknown						2		2
Unsubstantiated Nonconsensual Sexual Activity							1	1
Unsubstantiated Patient Abuse	2		5		1			8
Totals	246	100	198	220	202	140	264	1370

Table 3

**Primary Effect of Incidents in the Civil Hospitals
October 2009**

Primary effect	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Not reported			1			1		2
Abrasion/scrape/scratch/hematoma	10	11	24	16	24	15	22	122
Bite-Human	1			3			1	5
Bite-Insect	1						1	2
Blister	2	1					1	4
Body System Illness		1		2	3	1		7
Bruise/contusion/discoloration	13	10	4	9	2	13	16	67
Burn/Scald					1	2	1	4
Cellulitis	2	2		2				6
Concussion					1			1
Constipation	1			1				2
Death		1		1				2
Dislocation			1					1
Edema/swelling	6		3	4	7	2	7	29
Emesis	3					1		4
Epistaxis	1	1		2				4
Erythema/redness	6	2	15	4	6	1	4	38
Fever	1	1		1				3
Fracture	1				1	1		3
Ingestion of foreign body	1	1		2	2	1	4	11
Laceration: NO sutures/staples/steri-strips	6	2	8	8	6	1		31
Laceration: with steristrips/glue	3		1	1	2		1	8
Laceration: with sutures/staples	4	6	1	1	5	1		18
Lethargy		2		2		1		5
Muscle pull/strain/sprain							1	1
No Injury/NA	163	50	132	144	118	95	183	885
Other	9	2	3	6	8	2	7	37
Pain unspecified					2			2
Pain, Specified	11	3	3	7	9		12	45
Puncture/stab wound					1			1
Respiratory Distress		2			1	1	1	5
Seizure	1			1	2		2	6
Skin Irritation/Rash			1					1
Syncopal episode				1		1		2
Unconscious/Unresponsive		2	1	2	1			6
Totals	246	100	198	220	202	140	264	1370

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						1				2
Aggression	3		4	6	3	1	4	1		1	23
Alleged Nonconsensual Sexual Activity			2								2
Alleged Pt. Abuse	1				1		1			1	4
Assault, Pt./Pt	6	2	14	9	6	4	12				53
Assault, Pt./Staff	2		1	2				1			6
Change in Medical Status-Stabilized					1	2			1		4
Change in Medical Status-Transferred	2	2	1		3	1					9
Fall Type 1-Injury with treatment	1						1				2
Family Concern										1	1
Indeterminate/Unconfirmed Cause of Injury	1	1			1						3
Medication Error	1	1					4				6
Other	1					1	1			1	4
Seizure							1				1
Self-Injurious behavior	4						1				5
Sexual Behavior			2								2
Totals	23	6	24	17	15	9	26	2	1	4	127

Table 5

Effect of Incidents in the Forensic Service by Unit

EFFECT	51A1	51A2	51B1	51B2	51C1	51C2	FOR	FB4	FC1	FC2	Count
Abrasion/scrape/scratch/hematoma	1		3	1	1	1	3				10
Bite-Animal			1								1
Body System Illness						1					1
Bruise/contusion/discoloration	1	1		1	1		1				5
Constipation		1									1
Edema/swelling	1					1					2
Emesis					1						1
Erythema/redness					1						1
Fever					1						1
Fracture							1				1
Laceration: NO sutures/staples/steri-strips	2										2
No Injury/NA	10	2	18	14	7	4	21	2		4	82
Other	4		1		2	2			1		10
Pain, Specified	4	2	1	1	1						9
Totals	23	6	24	17	15	9	26	2	1	4	127

**Cause and Effect of Incidents in the Long Term Care Facility
October 2009**

Table 6

Cause of Incidents in the Long Term Care Facility

Cause	3A	3B	5A	6A	6B	Count
Accident-Injury	2		2	5	3	12
Aggression	4		1			5
Assault, Pt./Pt	4	4	4		2	14
Assault, Pt./Staff	1	3				4
Change in Medical Status-Transferred	1	2	3		1	7
Fall Type 1-Injury with treatment	2	3	3		2	10
Fall Type 2-No treatment needed	4	1	1			6
Medication Error	3	6	8	1	2	20
Other	2	1	3	3	5	14
Property Damage		1		1	1	3
Self-Injurious behavior			1	1		2
Theft			2			2
Totals	23	21	28	11	16	99

Table 7

Effect of Incidents in the Long Term Care Facility

EFFECT	3A	3B	5A	6A	6B	Count
Abrasion/scrape/scratch/hematoma	3	3	2	6	3	17
Bruise/contusion/discoloration	2	1	3	2	2	10
Death					2	2
Edema/swelling			2			2
Laceration: with steristrips/glue		1				1
Lethargy					1	1
No Injury/NA	17	14	18	3	7	59
Other		1				1
Pain, Specified		1	2		1	4
Respiratory Distress	1		1			2
Totals	23	21	28	11	16	99

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	1	1
Assault, Pt./Pt	4	4
Assault, Pt./Staff	3	3
Fall Type 2-No treatment needed	1	1
Medication Error	1	1
Self-Injurious behavior	1	1
Substantiated Patient Abuse	1	1
Suicide threat/plan	1	1
Totals	13	13

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

Primary effect	TOR	Count
Abrasion/scrape/scratch/hematoma	2	2
Edema/swelling	1	1
No Injury/NA	9	9
Pain, Specified	1	1
Totals	13	13

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

Date	Tobacco Use	ALL	CLA	DAN	NOR	TOR	WAR	WER	Civil Total	LTC	System Total
Jan-09	Total Users	107	130	84	178	121	92	121	833	10	843
	% of Census	61%	60%	54%	72%	56%	55%	58%	60%	7%	55%
Apr-09	Total Users	105	135	77	165	108	92	118	800	12	812
	% of Census	61%	61%	47%	67%	53%	61%	55%	58%	9%	54%
Jul-09	Total Users	103	132	78	160	100	94	120	787	13	800
	% of Census	62%	61%	49%	67%	47%	57%	55%	57%	9%	53%
Oct-09	Total Users	104	134	82	162	101	97	121	801	14	815
	% of Census	62%	61%	49%	67%	47%	58%	56%	57%	10%	53%

Note: Smoking is not permitted in the Forensic Centers.

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	
October09 Patient Census	169	218	169	243	216	166	218	1399	132	60	24	216	24	135	1774
October09 Count	47	34	34	55	54	30	41	292	13	5	1	19	0	42	353
% w/ Diabetes	28%	14%	20%	23%	25%	18%	19%	21%	10%	8%	4%	9%	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
October 2009**

Cause	ALL	CLA	DAN	NOR	SMO	TOR	WAR	WER	Count
Accident-Injury							1	1	2
Adverse Drug Reaction	1						1		2
Airway Obstruction type 2 No Intervention							1		1
Assault, Pt./Pt	1			2					3
Change in Medical Status-Stabilized	1								1
Change in Medical Status-Transferred	15	7	2	24	7	7	1	2	65
Community Incident						1			1
Contraband Possession						1			1
Fall Type 1-Injury with treatment	2		1	3		1	1	2	10
Indeterminate/Unconfirmed Cause of Injury				1					1
Other	1			1		1		1	4
Property Damage					1				1
Seizure		1		1					2
Self-Injurious behavior	1			2		1		2	6
Unsubstantiated Nonconsensual Sexual Activity								1	1
Totals	22	8	3	34	8	12	5	9	101

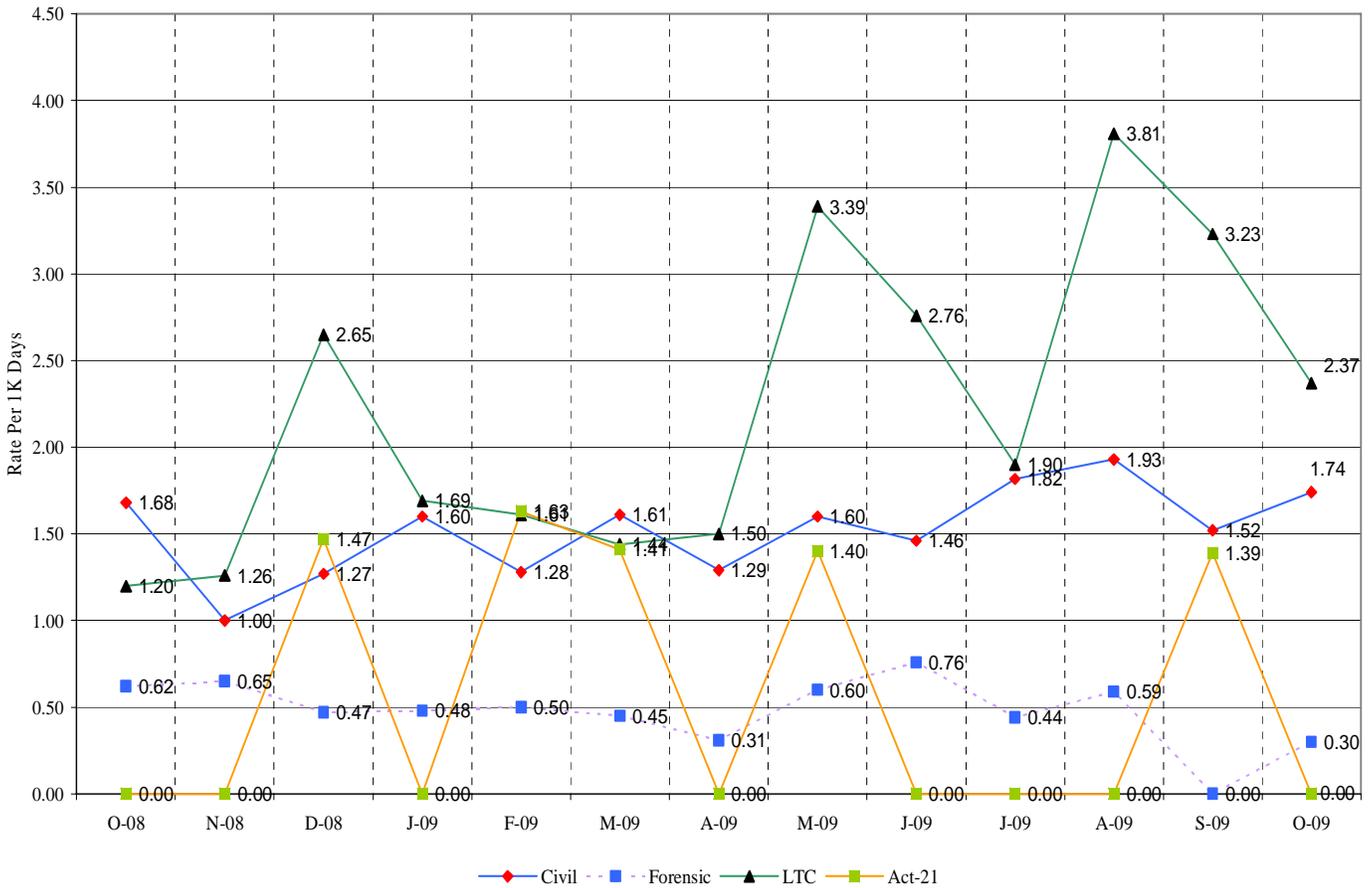
Falls

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	May	Nor	Tor	War	Wer	Ttl	May	Nor	Tor	War	Total	A21	SMRC	
Oct-08	0.93	1.11	1.82	2.11	1.66	3.20	1.69	1.23	1.68	0.00	1.03	n/a	0.00	0.62	0.00	1.20	1.51
Nov-08	0.58	0.57	0.61	0.68	0.92	1.89	1.35	1.12	1.00	0.00	0.52	0.00	2.48	0.65	0.00	1.26	0.97
Dec-08	1.31	0.43	0.60	0.00	1.28	3.50	1.14	0.62	1.27	n/a	0.50	0.00	1.21	0.47	1.47	2.65	1.27
Jan-09	1.86	2.66	0.81	n/a	1.82	1.68	1.34	0.77	1.60	n/a	0.50	0.00	1.30	0.48	0.00	1.69	1.46
Feb-09	1.03	1.64	1.13	n/a	1.51	1.38	0.87	1.20	1.28	n/a	0.25	0.00	2.98	0.50	1.63	1.61	1.21
Mar-09	0.93	1.34	1.22	n/a	1.98	3.34	1.65	0.61	1.61	n/a	0.49	0.58	0.00	0.45	1.41	1.44	1.45
Apr-09	0.96	2.44	1.03	n/a	0.95	2.49	0.44	0.47	1.29	n/a	0.52	0.00	0.00	0.31	0.00	1.50	1.17
May-09	2.06	2.20	1.82	n/a	1.46	1.77	1.24	0.75	1.60	n/a	0.49	0.53	1.43	0.60	1.40	3.39	1.62
Jun-09	1.55	2.30	1.26	n/a	0.56	2.09	1.89	0.77	1.46	n/a	0.76	1.04	0.00	0.76	0.00	2.76	1.45
Jul-09	2.27	2.21	0.99	n/a	1.24	2.52	2.17	1.34	1.82	n/a	0.73	0.00	0.00	0.44	0.00	1.90	1.63
Aug-09	2.28	1.78	1.40	n/a	0.81	3.20	2.69	1.65	1.93	n/a	0.73	0.00	1.34	0.59	0.00	3.81	1.88
Sep-09	1.57	0.92	1.41	n/a	0.55	2.44	1.99	2.00	1.52	n/a	0.00	0.00	0.00	0.00	1.39	3.23	1.46
Oct-09	2.46	1.48	1.15	n/a	1.20	2.21	1.92	1.93	1.74	n/a	0.24	0.00	1.27	0.30	0.00	2.37	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	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Total
NOR			0.08									0.50	0.58
TOR								4.50					4.50
WAR		1.00		6.00	1.93				0.67	1.00		0.25	10.85
Total	0.00	1.00	0.08	6.00	1.93	0.00	0.00	4.50	0.67	1.00	0.00	0.75	15.93

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

ABV	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Total
NOR	0	0	1	0	0	0	0	0	0	0	0	1	2
TOR	0	0	0	0	0	0	0	3	0	0	0	0	3
WAR	0	1	0	4	2	0	0	0	2	1	0	1	11
Total	0	1	1	4	2	0	0	3	2	1	0	2	16

**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
October 2009**

ABV	WARD	Total Hrs
WER	34-4	2.90
NOR	01C1	1.75
WAR	3IM	1.12
WER	35-3	1.00
NOR	10A2	1.00

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

ABV	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Total
CLA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.42
NOR	0.00	0.00	1.50	1.00	0.17	1.00	1.75	0.50	0.50	2.08	1.50	2.75	12.75
WAR	0.00	0.00	1.02	1.47	0.67	0.00	0.00	0.00	0.33	0.00	0.00	1.12	4.60
WER	12.70	4.33	4.92	11.80	2.17	11.45	0.83	2.00	3.00	8.00	4.82	3.90	69.92
Total	12.70	4.33	7.43	14.27	3.00	12.45	2.58	2.92	3.83	10.08	6.32	7.77	87.68

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

ABV	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Total
CLA	0	0	0	0	0	0	0	1	0	0	0	0	1
NOR	0	0	1	2	1	1	4	1	1	4	1	4	20
WAR	0	0	4	5	2	0	0	0	1	0	0	2	14
WER	11	3	6	9	2	3	1	1	2	2	6	5	51
Total	11	3	11	16	5	4	5	3	4	6	7	11	86

**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**
October 2009

ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total
TOR	023	1.500	CLA	3	0.450	WAR	FOR	0.150	CLA	6	0.033
DAN	312	0.950	WER	34-4	0.438	DAN	311	0.126	CLA	1	0.033
DAN	210	0.917	TOR	022	0.400	TOR	013	0.083	CLA	5	0.025
DAN	310	0.845	NOR	10A2	0.358	WAR	3NM	0.083	NOR	51A1	0.025
ALL	2W	0.717	TOR	024	0.333	NOR	51B2	0.075	DAN	212	0.008
TOR	071	0.671	ALL	M4	0.283	NOR	51B1	0.067	WER	35-4	0.008
NOR	01C1	0.578	CLA	7	0.167	TOR	012	0.050	ALL	M6	0.006
WAR	3IM	0.567	TOR	FB4	0.167	ALL	M5	0.050	WER	34-2	0.004
WER	35-3	0.500	WAR	3SW	0.167	NOR	09CF	0.033	Total		10.866

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

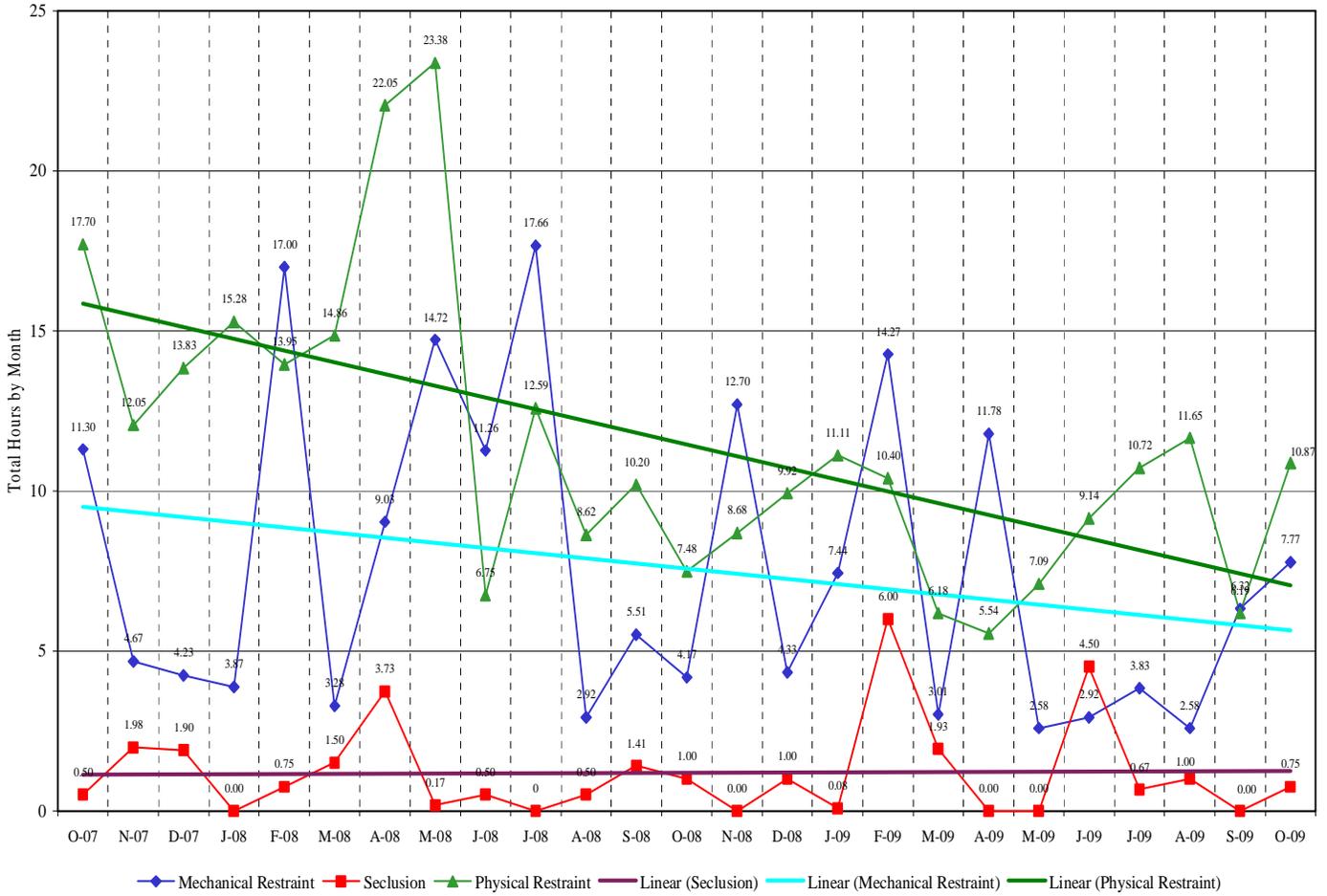
ABV	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Total
ALL	0.819	0.625	0.179	0.588	0.036	1.105	0.050	0.417	0.287	0.033	0.550	1.056	5.744
CLA	0.671	0.475	0.508	0.425	1.017	0.825	0.489	0.624	0.933	0.555	0.088	0.708	7.317
DAN	0.365	0.138	0.244	0.304	0.814	0.229	0.614	0.240	0.964	0.926	0.800	2.845	8.485
MAY	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017
NOR	1.078	0.543	0.918	1.939	0.999	0.729	1.738	1.331	1.556	1.154	0.758	1.136	13.878
TOR	1.017	4.733	2.029	1.650	0.618	1.583	2.235	4.078	4.033	5.577	2.731	3.204	33.489
WAR	2.867	2.083	6.500	4.183	2.683	2.000	0.433	2.533	2.550	2.217	0.250	0.967	29.267
WER	2.017	1.325	0.733	1.308	0.328	0.239	1.533	0.167	0.394	1.190	1.013	0.950	11.197
Total	8.850	9.922	11.112	10.397	6.495	6.710	7.092	9.389	10.717	11.653	6.189	10.866	109.393

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

ABV	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Total
ALL	8	9	5	8	2	7	1	8	8	2	12	9	79
CLA	13	9	15	6	24	14	11	11	9	16	2	13	143
DAN	16	7	12	10	13	10	11	8	13	18	16	33	167
MAY	1	0	0	0	0	0	0	0	0	0	0	0	1
NOR	18	13	27	35	24	21	36	22	31	25	19	23	294
TOR	8	22	12	18	8	21	19	34	25	39	21	18	245
WAR	9	10	24	15	11	5	4	11	20	13	4	8	134
WER	15	20	10	18	8	6	8	7	7	22	17	14	152
Total	88	90	105	110	90	84	90	101	113	135	91	118	1215

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

October-09	Civil												S RTP	Sys. Total
Unscheduled Psych Meds	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Total	S RTP	Total
Number of Unique Patients	22	29	27	48	62	37	37	262	16	12	9	37	2	301
% of Census	13.0%	13.3%	16.0%	19.8%	28.7%	22.3%	17.0%	18.7%	12.1%	20.0%	37.5%	17.1%	8.3%	18.4%
Number of Early Med Events	10	0	2	0	12	24	3	51	0	1	11	12	0	63
Number of STAT meds	52	96	210	155	264	107	151	1035	56	14	17	87	6	1128
Rate per 1Kdays	11.76	14.23	40.47	20.65	43.53	25.19	22.81	25.22	13.64	7.99	35.58	14.63	8.06	23.55

Table 23 STAT Use of Multiple Medications for Psychiatric Indications

	Civil									Forensic			
STAT Use of Combo Meds	All	Cla	Dan	Nor	Tor	War	Wer	Cnt	Nor	Tor	War	Cnt	
Chlorpromazine/Lorazepam	0	2	4	0	2	0	8	16	0	0	0	0	
Haloperidol/Lorazepam	0	12	4	11	1	0	2	30	0	0	0	0	
Olanzapine/Lorazepam	0	15	2	1	2	0	3	23	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	2	0	0	0	2	0	0	0	0	
Other Neuroleptic combos	1	0	26	3	1	0	3	34	0	0	0	0	
Total	1	29	36	17	6	0	16	105	0	0	0	0	

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

ABV	UNIT	Count	ABV	UNIT	Count	ABV	UNIT	Count	ABV	UNIT	Count
TOR	022	76	DAN	311	23	NOR	51C1	10	NOR	09CF	5
DAN	312	62	ALL	2W	21	NOR	51A1	9	WAR	3NM	5
WER	34-4	60	NOR	01A1	20	WER	35-4	9	TOR	FB4	4
TOR	023	58	NOR	09AF	20	TOR	011	9	WAR	IBH	4
NOR	10A2	53	WER	35-3	20	TOR	013	8	NOR	51C2	4
TOR	014	52	TOR	021	19	NOR	10A1	7	NOR	10C1	3
DAN	212	46	NOR	51B2	19	ALL	M4	7	ALL	3W	3
DAN	210	43	CLA	7	17	WER	34-2	7	WAR	IBG	2
NOR	01C1	42	WAR	FOR	17	NOR	51B1	7	CLA	4	2
WAR	3IM	38	WER	37-1	17	NOR	51A2	7	TOR	043	2
CLA	3	36	TOR	012	14	ALL	M3	6	ALL	M5	2
WAR	3SW	35	ALL	M6	13	TOR	071	6	CLA	1	1
CLA	6	35	WAR	2SW	12	TOR	FC1	5	Total		1128
WER	34-3	27	WAR	2NM	11	CLA	2	5			
DAN	310	26	WER	35-2	11	TOR	FC2	5			
TOR	024	26	DAN	211	10	NOR	09AR	5			

Table 25

Route of STAT Medications for Psychiatric Reasons for October

Civil									Forensic				S RTP
Route	ALL	CLA	DAN	NOR	TOR	WAR	WER	Cnt	NOR	TOR	WAR	Cnt	S RTP
Not reported				1				1	2			2	
IM	30	45	80	81	173	37	44	490	35	5	10	50	5
Oral	22	51	130	73	91	70	107	544	19	9	7	35	1
Totals	52	96	210	155	264	107	151	1035	56	14	17	87	6

Table 26

Psychiatric Use of STAT Medications by Shift for October

Civil					Forensic				
ABV	1	2	3	Count	ABV	1	2	3	Count
ALL	24	18	10	52	NOR	28	21	7	56
CLA	47	41	8	96	TOR	4	7	3	14
DAN	76	78	56	210	WAR	6	5	6	17
NOR	80	61	14	155	Totals	38	33	16	87
TOR	103	136	25	264	S RTP				
WAR	34	52	21	107	S RTP	2	4		6
WER	63	65	23	151					
Totals	427	451	157	1035					

Table 27

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

Month	Civil										Forensic						S RTP
	All	Cl a	Dan	May	Nor	Tor	War	Wer	Total	Std Dev	May	Nor	Tor	War	Total	Std Dev	S RTP
Oct-08	10.78	16.03	30.69	14.33	16.85	29.28	16.92	26.47	20.44	7.95	9.51	28.45	n/a	25.21	23.06	8.33	12.42
Nov-08	13.90	19.06	30.64	6.78	14.37	21.46	17.80	30.20	20.31	8.36	17.18	16.82	10.50	34.74	18.33	9.04	23.55
Dec-08	9.33	11.99	34.70	3.77	15.49	35.00	28.22	22.55	21.61	11.66	Closed	15.35	27.95	42.48	21.80	10.32	8.80
Jan-09	9.28	17.13	29.78	Closed	16.55	34.43	35.90	22.63	23.23	12.33	n/a	16.89	37.97	23.41	22.71	8.97	11.73
Feb-09	11.34	24.77	23.70	n/a	29.81	25.81	48.98	31.50	27.92	12.44	n/a	17.13	21.31	38.75	20.47	9.73	11.38
Mar-09	7.40	22.85	20.71	n/a	13.61	23.85	32.50	21.82	20.08	8.41	n/a	8.34	25.32	32.54	19.81	10.21	15.47
Apr-09	12.13	15.72	26.48	n/a	16.91	30.17	27.13	18.52	20.59	7.63	n/a	9.02	25.16	26.53	15.75	8.26	10.14
May-09	7.50	16.98	29.32	n/a	22.95	24.46	22.15	25.33	21.29	7.88	n/a	22.87	15.47	11.48	19.58	4.95	16.83
Jun-09	8.32	17.51	21.63	n/a	20.95	24.17	28.72	23.50	20.68	7.25	n/a	16.24	27.98	24.93	20.60	5.12	20.81
Jul-09	5.42	13.26	25.65	n/a	27.25	37.72	47.11	18.22	24.40	14.37	n/a	20.42	25.42	40.90	24.15	9.04	30.86
Aug-09	6.26	15.89	30.40	n/a	29.57	25.79	49.24	26.56	25.99	13.75	n/a	12.71	20.40	84.68	22.83	33.30	41.04
Sep-09	9.61	12.11	29.86	n/a	23.37	28.36	29.87	30.43	23.32	9.68	n/a	10.86	18.11	42.36	16.63	13.94	12.50
Oct-09	11.76	14.23	40.47	n/a	20.65	43.53	25.19	22.81	25.22	12.73	n/a	13.64	7.99	35.58	14.63	12.11	23.55

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	Cla	Dan	May	Nor	Tor	War	Wer	Total	May	Nor	Tor	War	Cnt	Tor	Total
Jan-09	122	129	84	N/A	111	90	100	92	728	N/A	26	23	17	66	3	797
Apr-09	122	135	94	N/A	119	95	92	90	747	N/A	29	33	16	78	3	828
Jul-09	125	146	92	N/A	119	89	102	98	771	N/A	34	21	17	72	3	846
Oct-09	132	138	94	N/A	120	97	101	94	776	N/A	27	17	16	60	3	839

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	Cla	Dan	May	Nor	Tor	War	Wer	Total	May	Nor	Tor	War	Cnt	Tor	Total
Jan-09	2	22	33	n/a	15	54	59	29	214	n/a	2	8	6	16	0	230
Apr-09	2	16	31	n/a	20	43	53	23	188	n/a	1	1	2	4	0	192
Jul-09	5	16	23	n/a	19	44	60	28	195	n/a	2	5	3	10	0	205
Oct-09		15	31	n/a	17	49	57		169	n/a	3	4	3	10	0	179

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	Cla	Dan	May	Nor	Tor	War	Wer	Total	May	Nor	Tor	War	Cnt	Tor	Total
Jan-09	55	46	44	n/a	105	54	30	67	401	n/a	25	17	2	44	0	445
Apr-09	46	51	51	n/a	111	40	27	61	387	n/a	35	24	2	61	0	448
Jul-09	52	59	51	n/a	102	45	43	58	410	n/a	30	22	4	56	0	466
Oct-09		76	49	n/a	103	40	36		304	n/a	33	21	0	54	0	358

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
October 2009**

ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt
NOR	10A2	22	NOR	51B2	9	WER	34-4	4	DAN	212	2
WER	35-3	15	WER	35-4	9	ALL	M3	4	DAN	311	2
TOR	012	15	NOR	10C1	8	CLA	6	4	DAN	312	2
NOR	51B1	14	DAN	310	8	CLA	4	4	NOR	51A2	2
WAR	3IM	13	CLA	3	7	CLA	2	4	NOR	09AR	2
WAR	FOR	12	NOR	09CF	7	NOR	51C2	4	WAR	2SW	2
ALL	M4	12	NOR	01A1	6	NOR	10A1	4	SMO	6B	2
ALL	M6	12	WER	34-2	6	SMO	5A	4	TOR	011	2
TOR	013	12	DAN	210	6	SMO	3B	4	TOR	024	2
DAN	211	11	NOR	51A1	6	SMO	3A	4	WER	34-3	2
NOR	01C1	11	NOR	51C1	6	TOR	071	4	WAR	2NM	1
WER	37-1	10	ALL	M5	6	WAR	3NM	3	ALL	3W	1
ALL	2W	10	TOR	023	5	WER	35-2	3	Total		361
TOR	022	9	NOR	09AF	5	CLA	5	2			
TOR	014	9	WAR	IBG	4	CLA	7	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	May	Nor	Tor	War	Wer	Avg.	May	Nor	Tor	War	Avg.	S RTP
Nov-08	2.70	0.72	2.66	0.00	3.03	2.37	1.35	0.96	1.89	1.72	3.88	n/a	3.72	3.11	n/a
Dec-08	1.49	1.16	2.59	0.00	3.07	2.43	0.38	1.26	1.79	n/a	2.97	1.36	2.43	2.53	n/a
Jan-09	1.86	2.36	2.23	n/a	1.69	3.05	0.58	0.31	1.74	n/a	2.98	4.00	0.00	2.86	n/a
Feb-09	1.65	1.48	2.48	n/a	4.37	1.89	0.87	1.88	2.17	n/a	1.49	2.94	1.49	1.82	n/a
Mar-09	0.74	1.93	0.41	n/a	3.04	1.43	2.47	0.46	1.56	n/a	1.96	2.30	1.25	1.97	n/a
Apr-09	2.12	1.07	0.83	n/a	3.65	1.82	1.31	1.71	1.88	n/a	1.80	3.67	2.65	2.45	n/a
May-09	1.87	1.17	1.21	n/a	3.98	2.90	1.03	1.80	2.10	n/a	2.70	2.13	2.87	2.56	n/a
Jun-09	0.97	1.23	1.26	n/a	2.93	1.77	0.21	0.93	1.41	n/a	2.79	2.59	5.87	3.05	4.35
Jul-09	1.57	1.18	1.57	n/a	4.40	2.52	0.59	0.90	1.91	n/a	1.70	2.60	0.00	1.77	0.00
Aug-09	3.03	2.23	1.20	n/a	3.90	2.08	3.08	1.50	2.47	n/a	3.91	3.14	1.34	3.41	0.00
Sep-09	1.57	0.77	0.61	n/a	2.06	2.12	1.99	1.69	1.57	n/a	2.53	0.00	2.57	1.81	0.00
Oct-09	2.09	0.89	1.34	n/a	2.40	2.80	1.54	1.18	1.77	n/a	3.90	0.00	2.54	2.66	2.69

Table 33

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

ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt
ALL	M6	10	ALL	M4	3	WER	34-3	2	TOR	024	1
WAR	3IM	8	SMO	3B	3	WER	34-2	2	DAN	312	1
NOR	01C1	7	ALL	M5	2	WER	37-1	2	NOR	01A1	1
DAN	310	7	CLA	6	2	ALL	M3	1	NOR	09AF	1
NOR	10A2	6	NOR	51A1	2	WER	35-4	1	TOR	014	1
DAN	210	6	DAN	311	2	WER	35-2	1	SMO	3A	1
WER	34-4	5	NOR	09CF	2	CLA	1	1	DAN	211	1
CLA	3	5	ALL	2W	2	WAR	IBG	1	Total		110
WER	35-3	5	WAR	3NM	2	CLA	7	1			
TOR	071	3	NOR	51B2	2	NOR	51B1	1			
TOR	022	3	TOR	021	2	TOR	FB4	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	May	Nor	Tor	War	Wer	Avg	May	Nor	Tor	War	Avg	S RTP	
Nov-08	1.16	0.43	0.82	0.00	0.13	0.47	0.77	1.28	0.66	0.00	0.78	0.00	0.00	0.49	n/a	
Dec-08	1.12	0.87	0.40	0.00	0.38	0.76	0.57	0.79	0.68	n/a	0.25	0.00	1.21	0.32	n/a	
Jan-09	1.11	0.59	0.00	n/a	0.39	0.76	0.00	0.62	0.51	n/a	0.99	0.00	0.00	0.64	n/a	
Feb-09	1.03	0.33	1.35	n/a	0.45	0.69	0.65	0.86	0.73	n/a	0.50	2.20	0.00	0.83	n/a	
Mar-09	0.00	0.59	0.61	n/a	0.53	0.16	0.62	0.76	0.47	n/a	0.25	1.15	0.00	0.45	n/a	
Apr-09	1.93	0.61	0.41	n/a	0.41	0.33	0.22	1.09	0.71	n/a	0.00	0.52	0.00	0.15	n/a	
May-09	0.37	0.44	0.81	n/a	0.53	0.16	0.41	1.50	0.61	n/a	0.49	0.00	0.00	0.30	n/a	
Jun-09	0.19	0.15	0.84	n/a	0.84	0.16	0.21	0.77	0.46	n/a	0.51	0.52	0.00	0.46	1.45	
Jul-09	0.52	0.88	0.99	n/a	0.55	0.79	0.00	1.64	0.79	n/a	0.00	0.00	1.32	0.15	1.40	
Aug-09	0.57	0.30	1.20	n/a	0.94	0.32	0.58	1.50	0.78	n/a	0.49	0.00	4.03	0.74	1.37	
Sep-09	1.76	0.00	0.20	n/a	0.55	0.49	0.60	1.08	0.65	n/a	0.25	0.00	0.00	0.15	2.78	
Oct-09	1.33	0.44	0.95	n/a	0.53	0.63	0.77	0.30	0.67	n/a	0.24	0.53	0.00	0.30	1.34	