



*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 November 2009*

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State Hospital Risk Management Summary Report November 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.

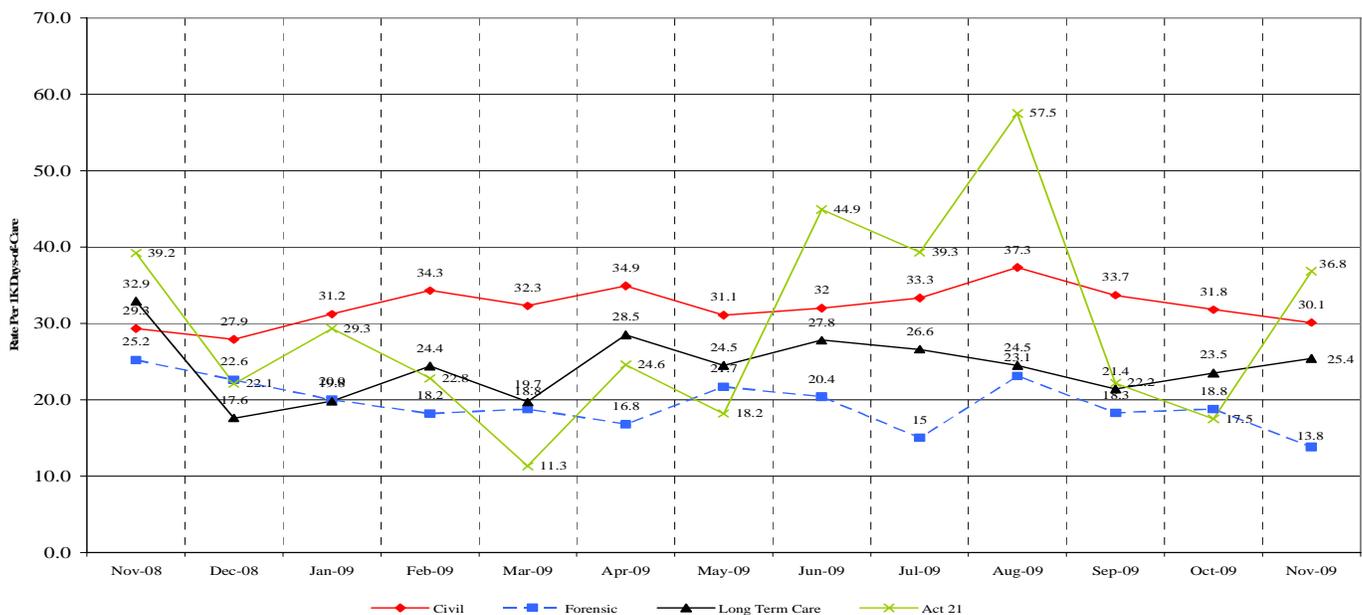
During **November** a total of 1471 incident reports were completed by the state hospital system, which is a decrease of 138 events from the previous month. Additionally, 50 prior month records were added to the database. These records are included in all monthly comparisons (page 3) made in this summary report. The following is a breakdown of incidents by individual facility and type of care:

Table 1

November 2009

Civil	11/30/2009	Days Provided	Incidents	Per 1000 Days-of-Care
Allentown	171	5062	215	42.5
Clarks Summit	217	6531	88	13.5
Danville	172	5140	162	31.5
Norristown	238	7227	229	31.7
Torrance	209	6119	202	33.0
Warren	160	4975	115	23.1
Wernersville	215	6505	239	36.7
Total Civil	1382	41559	1250	30.1
Forensic				
Norristown	131	3959	64	16.2
Torrance	61	1892	20	10.6
Warren	27	751	7	9.3
Total Forensic	219	6602	91	13.8
Act 21				
Act 21	25	734	27	36.8
Total Act 21	25	734	27	36.8
Long Term Care				
South Mountain	134	4048	103	25.4
Total L. T. C.	134	4048	103	25.4
Total	1760	52943	1471	27.8

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	6/09	7/09	8/09	9/09	10/09	11/09
Total number of reported airway obstructions or choking incidents at all facilities (Type 1 & 2):	12	9	7	5	9	5
Total number of AWOL's & UA's all facilities:	59	57	49	39	+32	30
Total number of falls (Type 1 & 2) at all facilities:	149	188	209	199	+185	203
Total number of reported falls involving consumers age 65 or older:	29	45	45	39	-39	47
Total number of reported falls involving consumers age 75 or older:	11	18	19	18	15	13
Total number of reported fire setting events:	0	0	0	0	2	1
Total number of reported incidents involving a bone fracture:	9	3	8	6	+5	1
Total number of reported deaths for this report period:	5	0	4	6	4	7
Total number of reported incidents involving a burn or scald:	5	5	9	0	4	3
Total number of reported incidents involving a cut or laceration requiring sutures, steri-strips or glue:	14	16	19	14	27	22
Total number of reported incidents of patient-to-patient assault (see note below):	386	415	473	445	361	300
Total number of reported incidents of patient-to-staff assaults:	102	111	125	95	110	80
Total number of reported incidents involving alleged abuse:	-6	-15	-12	-8	-15	13
Total percentage for the month of reported incidents involving no physical injury to the Patient:	68%	68%	66%	69%	64%	66%
Total incidents of physical restraint used for the month:	100	113	134	90	118	73
Total hours of physical restraint used for the month:	9.139	10.717	11.651	6.185	10.866	6.926
Incidents of mechanical restraint use for the month:	3	4	6	7	11	10
Total hours of mechanical restraint used for the month:	2.92	3.83	10.08	6.32	7.77	8.18
Total reported incidents involving the use of seclusion:	3	2	1	0	2	0
Total hours of seclusion used for the month:	4.50	0.67	1.00	0	0.75	0
Total number of reported incidents coded as alleged sexual assault:	6	3	-6	4	3	1
Total number of reported incidents of attempted suicide:	0	4	2	6	0	3
Total number of reported incidents involving the threat or plan of suicide:	7	6	12	4	4	10
Total number of reported incidents of illicit drug use/possession:	1	0	0	1	0	0
Total number of medication errors:	53	43	52	56	59	42
Total number of STAT medications administered for psychiatric indications:	958	1149	1205	997	1128	988

***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**
November 2009

Primary Cat #	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Accident-Injury	1	2	2	3	6	6	3	23
Adverse Drug Reaction		2		1	1		1	5
Aggression	27	5	10	36	14	9	28	129
Airway Obstruction type 1 Intervention			2	1	1			4
Airway Obstruction type 2 No Intervention	1							1
Alcohol Use/Possession/Suspected or Confirmed			1					1
Alleged Nonconsensual Sexual Activity						1		1
Alleged Pt. Abuse	2			2	3	2	3	12
Assault, Pt./Pt	30	23	48	62	28	17	60	268
Assault, Pt./Staff	14	4	16	7	5	6	15	67
Assault: Patient/Other							2	2
AWOL/UA	3			3		4	3	13
AWOL-Attempt			2	2	3			7
AWOL-Late			5		3	1	1	10
Change in Medical Status-Stabilized	1	1		2	2			6
Change in Medical Status-Transferred	7	1		13	8	3	8	40
Charged post admit/crime committed prior to admit		1						1
Charged with alleged crime on hospital grounds						2		2
Communications Sys. Misuse	2			2	1			5
Community Incident				2	1			3
Contraband Possession	3		4	11	4	2	2	26
Fall Type 1-Injury with treatment	11	13	3	5	15	13	23	83
Fall Type 2-No treatment needed	6	10	9	1	26	19	26	97
Family Concern	1				7			8
Fire Setting				1				1
Indeterminate/Unconfirmed Cause of Injury	4	6	5	7	7	2	2	33
Medication Error	8	3	4	10	3	2	4	34
Missing Property	7		5	3	2		4	21
Other	23	3	7	10	23	10	18	94
Procedural Treatment Error	11		1	3			1	16
Property Damage	1	1	4	2	5		2	15
Seizure				1			5	6
Self-Injurious behavior	22	12	24	18	21	9	22	128
Sexual Behavior	5		1		7	2	4	19
Smoking Violation	19			13	2			34
Substantiated Patient Abuse					2			2
Suicide Attempt	1					1	1	3
Suicide threat/plan	3			2	1			6
Theft	1			6			1	8
Unknown						3		3
Unsubstantiated Nonconsensual Sexual Activity			3			1		4
Unsubstantiated Patient Abuse	1	1	6		1			9
Totals	215	88	162	229	202	115	239	1250

Table 3

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

Primary effect	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Abrasion/scrape/scratch/hematoma	10	18	27	8	19	16	25	123
Bite-Human		1					1	2
Bite-Insect			1					1
Blister	1			1				2
Body System Illness				1	1	1	1	4
Bruise/contusion/discoloration	4	4	6	8	5	12	9	48
Burn/Scald				1	2			3
Damaged or lost tooth					1			1
Death				4				4
Edema/swelling	4	4		4	7	1	5	25
Emesis	3				1	2	1	7
Epistaxis		1	1	2		3		7
Erythema/redness	3	1	6	4	6		8	28
Fever	1			1	1		1	4
Fracture	1							1
Ingestion of foreign body				1	3	1	2	7
Internal injury					1			1
Laceration: NO sutures/staples/steri-strips	5	4	4	3	2	2	3	23
Laceration: with steristrips/glue	3	2				4		9
Laceration: with sutures/staples	3	3	1	1	3	1		12
Lethargy		1		2			2	5
Muscle pull/strain/sprain			1					1
No Injury/NA	165	44	112	163	127	69	161	841
Other	3	1		8	13	1	3	29
Pain unspecified						1		1
Pain, Specified	8	1	2	14	10		11	46
Respiratory Distress				1		1	3	5
Seizure				1			1	2
Skin Irritation/Rash		1	1				1	3
Syncopal episode	1	2						3
Unconscious/Unresponsive				1			1	2
Totals	215	88	162	229	202	115	239	1250

**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
Adverse Drug Reaction						1				1	2
Aggression	6		4		1	3	2	1	2		19
Alleged Pt. Abuse	1										1
Assault, Pt./Pt	9	1	8	2		2		2			24
Assault, Pt./Staff				1	1	1	1				4
Change in Medical Status-Stabilized			1			1		1			3
Change in Medical Status-Transferred		1			1	2				1	5
Fall Type 1-Injury with treatment	1				1	1					3
Indeterminate/Unconfirmed Cause of Injury			1	1							2
Medication Error			2	1			1				4
Other						3	1	1	2	2	9
Property Damage	1										1
Self-Injurious behavior	1		2				1			2	6
Suicide threat/plan									1	3	4
Theft						1					1
Unsubstantiated Nonconsensual Sexual Activity									1		1
Totals	19	3	18	5	4	15	7	5	6	9	91

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	3		1			1	4			2	11
Body System Illness						1				1	2
Bruise/contusion/discoloration		1	2								3
Cellulitis						1					1
Death						1					1
Edema/swelling								1			1
Epistaxis			1								1
Erythema/redness	3										3
Lethargy					1						1
No Injury/NA	13	1	13	5	2	9	3	3	6	4	59
Other		1	1			2		1		2	7
Unconscious/Unresponsive					1						1
Totals	19	3	18	5	4	15	7	5	6	9	91

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

Table 6

Cause of Incidents in the Long Term Care Facility

Cause	3A	3B	5A	6A	6B	Count
Accident-Injury	1	3	3	1		8
Aggression	7		6			13
Assault, Pt./Pt		4	2			6
Assault, Pt./Staff	2	1	4			7
Change in Medical Status-Stabilized	1			1	1	3
Change in Medical Status-Transferred			3	1	1	5
Community Incident			3			3
Fall Type 1-Injury with treatment	1	1	3	1	2	8
Fall Type 2-No treatment needed	2		2	2	6	12
Medication Error	1	1		2		4
Other	4	4	12	2	3	25
Procedural Treatment Error		1				1
Property Damage	1					1
Self-Injurious behavior			1	1		2
Smoking Violation					1	1
Theft			3		1	4
Totals	20	15	42	11	15	103

Table 7

Effect of Incidents in the Long Term Care Facility

EFFECT	3A	3B	5A	6A	6B	Count
Abrasion/scrape/scratch/hematoma	1	2	5	4	2	14
Body System Illness			1	1		2
Bruise/contusion/discoloration	1	5	5	1		12
Cellulitis				1		1
Death					2	2
Emesis					1	1
Erythema/redness			1			1
Fever	1					1
No Injury/NA	17	8	27	4	9	65
Other			1			1
Pain, Specified					1	1
Respiratory Distress			1			1
Unconscious/Unresponsive			1			1
Totals	20	15	42	11	15	103

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	2	2
Assault, Pt./Pt	2	2
Assault, Pt./Staff	2	2
Contraband Possession	1	1
Other	3	3
Property Damage	1	1
Self-Injurious behavior	15	15
Substantiated Patient Abuse	1	1
Totals	27	27

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	1	1
Erythema/redness	2	2
Ingestion of foreign body	3	3
Laceration: NO sutures/staples/steri-strips	1	1
Laceration: with sutures/staples	1	1
No Injury/NA	10	10
Other	1	1
Pain, Specified	6	6
Totals	27	27

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
Feb-09	Total Users	104	130	82	170	117	92	120	815	10	825
	% of Census	60%	59%	52%	70%	55%	57%	57%	59%	8%	55%
May-09	Total Users	102	128	75	160	110	88	118	781	12	793
	% of Census	59%	58%	48%	67%	52%	56%	55%	57%	9%	53%
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%	46%

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	
November09 Patient Census	171	217	172	238	209	160	215	1382	131	61	27	219	25	134	1760
November09 Count	48	30	37	54	51	29	40	289	14	7	3	24	0	40	353
% w/ Diabetes	28%	14%	22%	23%	24%	18%	19%	21%	11%	11%	11%	11%	0%	30%	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
November 2009**

Cause	ALL	CLA	DAN	NOR	SMO	TOR	WAR	WER	Count
Adverse Drug Reaction						2			2
Assault, Pt./Pt				3					3
Change in Medical Status-Transferred	7	1		17	4	7	3	8	47
Community Incident				1					1
Fall Type 1-Injury with treatment			1			2		1	4
Indeterminate/Unconfirmed Cause of Injury				2					2
Other				2		1		1	4
Property Damage						1			1
Self-Injurious behavior	1			2		2		1	6
Unsubstantiated Nonconsensual Sexual Activity			1						1
Totals	8	1	2	27	4	15	3	11	71

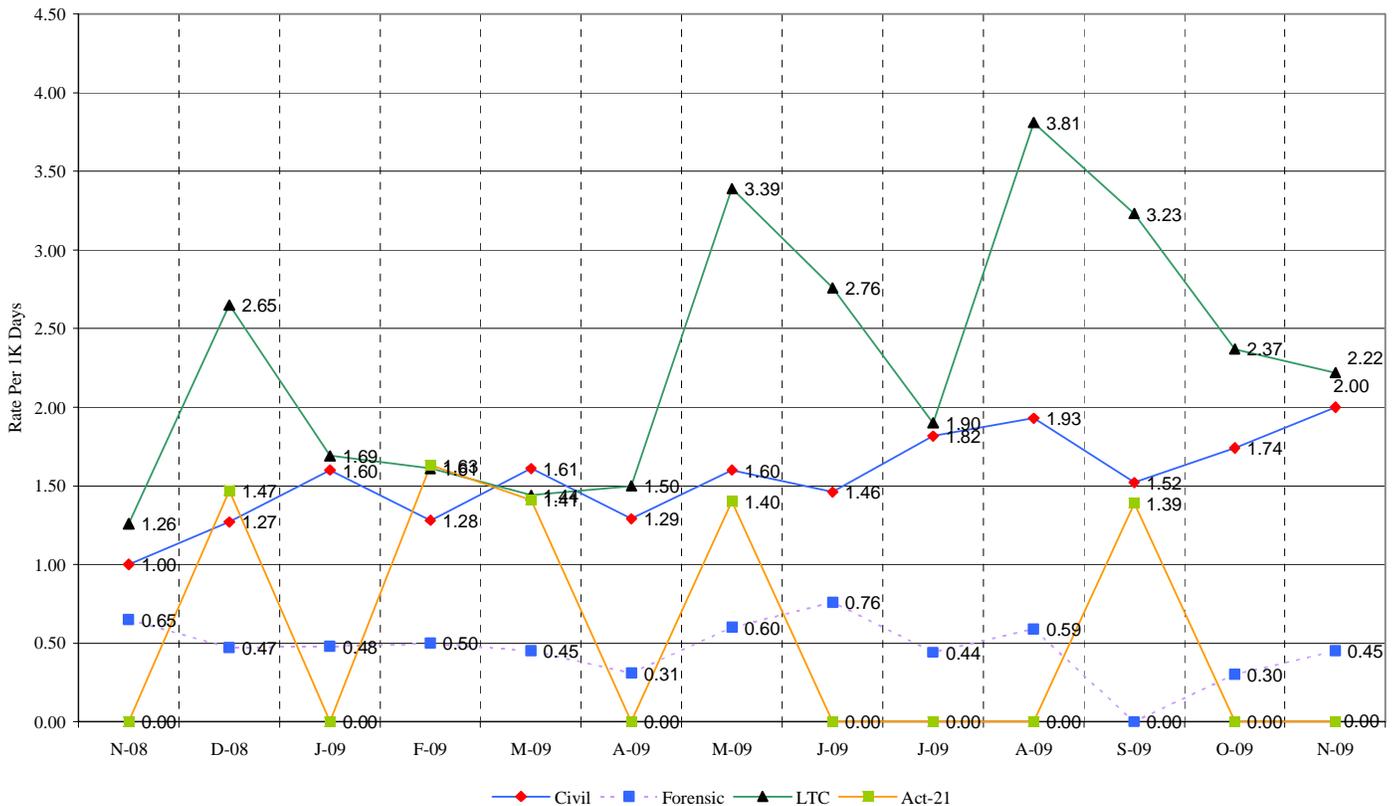
Falls

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	Cl	Dan	May	Nor	Tor	War	Wer	Ttl	Nor	Tor	War	Total	A21	SMRC	
Nov-08	0.58	0.57	0.61	0.68	0.92	1.89	1.35	1.12	1.00	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	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	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	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	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	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	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	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	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	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	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	0.24	0.00	1.27	0.30	0.00	2.37	1.59
Nov-09	2.17	1.99	0.58	n/a	0.69	2.45	2.61	3.54	2.00	0.76	0.00	0.00	0.45	0.00	2.22	1.79

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	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_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	1.00	0.08	6.00	1.93	0.00	0.00	4.50	0.67	1.00	0.00	0.75	0.00	15.93

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

ABV	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Total
NOR	0	1	0	0	0	0	0	0	0	0	1	0	2
TOR	0	0	0	0	0	0	3	0	0	0	0	0	3
WAR	1	0	4	2	0	0	0	2	1	0	1	0	11
Total	1	1	4	2	0	0	3	2	1	0	2	0	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
November 2009**

ABV	WARD	Total Hrs
NOR	01C1	6.00
WER	34-4	0.50
WAR	3SW	0.50
CLA	3	0.50
WER	34-2	0.43
NOR	10A2	0.25
Total		8.18

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

ABV	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Total
CLA	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.50	0.92
NOR	0.00	1.50	1.00	0.17	1.00	1.75	0.50	0.50	2.08	1.50	2.75	6.25	19.00
WAR	0.00	1.02	1.47	0.67	0.00	0.00	0.00	0.33	0.00	0.00	1.12	0.50	5.10
WER	4.33	4.92	11.80	2.17	11.45	0.83	2.00	3.00	8.00	4.82	3.90	0.93	58.15
Total	4.33	7.43	14.27	3.00	12.45	2.58	2.92	3.83	10.08	6.32	7.77	8.18	83.17

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

ABV	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Total
CLA	0	0	0	0	0	0	1	0	0	0	0	1	2
NOR	0	1	2	1	1	4	1	1	4	1	4	6	26
WAR	0	4	5	2	0	0	0	1	0	0	2	1	15
WER	3	6	9	2	3	1	1	2	2	6	5	2	42
Total	3	11	16	5	4	5	3	4	6	7	11	10	85

**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**
November 2009

ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total
NOR	01C1	1.633	TOR	013	0.200	TOR	012	0.083	NOR	51B2	0.033
TOR	071	1.183	NOR	51B1	0.183	WAR	2SW	0.083	DAN	310	0.019
TOR	023	0.800	WER	35-4	0.183	NOR	01A1	0.079	WER	35-2	0.017
NOR	51A1	0.300	NOR	10A2	0.164	NOR	09CF	0.071	DAN	212	0.008
WAR	3SW	0.283	WER	35-3	0.133	NOR	51C1	0.050	ALL	M6	0.008
CLA	3	0.267	WAR	FOR	0.100	WER	34-4	0.050	Total		6.926
ALL	M4	0.217	DAN	312	0.089	CLA	7	0.038			
WAR	3IM	0.217	ALL	M5	0.083	NOR	51C2	0.033			
WER	34-2	0.200	NOR	51A2	0.083	DAN	210	0.033			

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

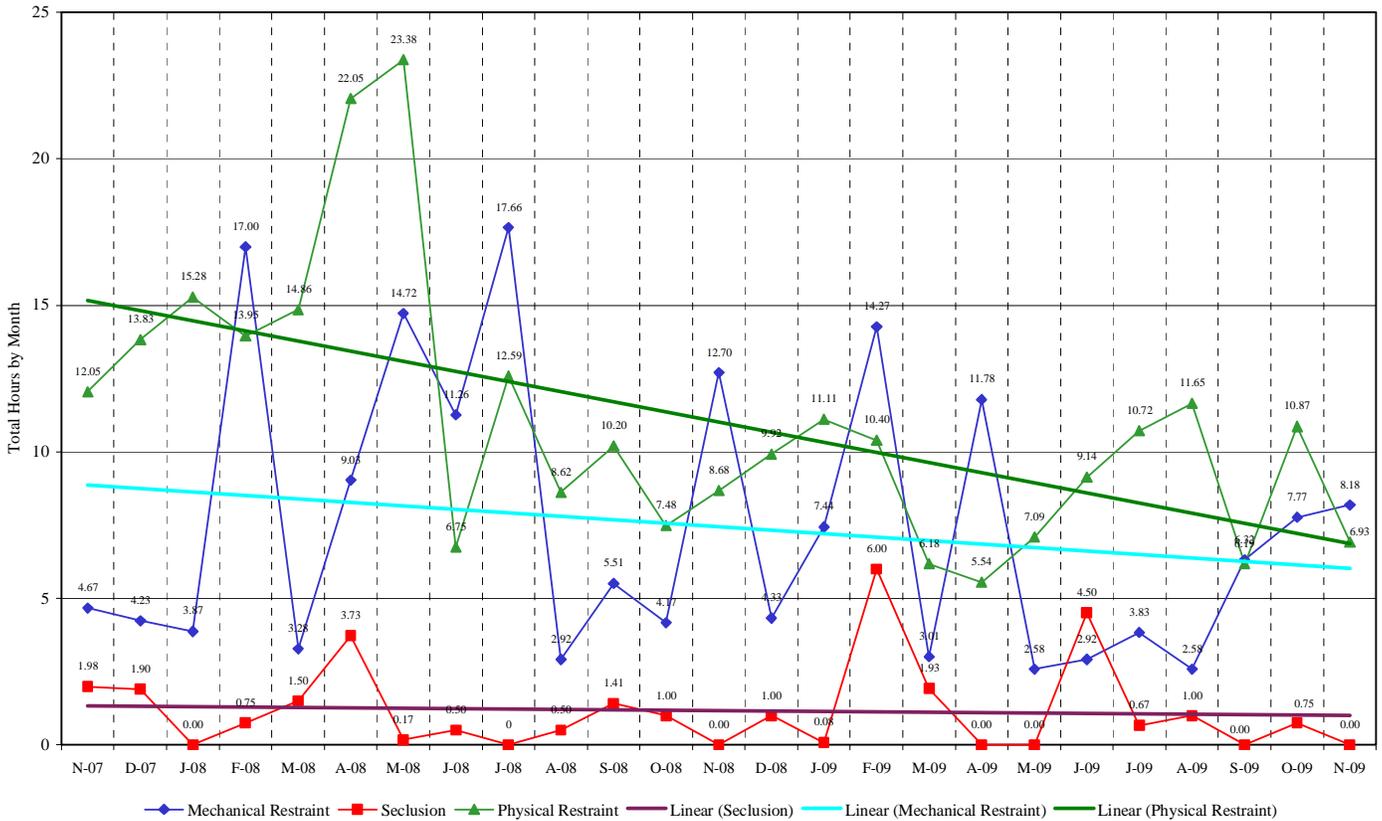
ABV	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Total
ALL	0.625	0.179	0.588	0.036	1.105	0.050	0.417	0.287	0.033	0.550	1.056	0.308	5.233
CLA	0.475	0.508	0.425	1.017	0.825	0.489	0.624	0.933	0.555	0.088	0.708	0.304	6.951
DAN	0.138	0.244	0.304	0.814	0.229	0.614	0.240	0.964	0.926	0.800	2.845	0.150	8.269
NOR	0.543	0.918	1.939	0.999	0.729	1.738	1.331	1.556	1.154	0.758	1.136	2.631	15.431
TOR	4.733	2.029	1.650	0.618	1.583	2.235	4.078	4.033	5.577	2.731	3.479	2.267	35.014
WAR	2.083	6.500	4.183	2.683	2.000	0.433	2.533	2.550	2.217	0.250	0.967	0.683	27.083
WER	1.325	0.733	1.308	0.328	0.239	1.533	0.167	0.394	1.190	1.013	0.950	0.583	9.763
Total	9.922	11.112	10.397	6.495	6.710	7.092	9.389	10.717	11.653	6.189	11.141	6.926	107.744

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

ABV	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Total
ALL	9	5	8	2	7	1	8	8	2	12	9	4	75
CLA	9	15	6	24	14	11	11	9	16	2	13	6	136
DAN	7	12	10	13	10	11	8	13	18	16	33	8	159
NOR	13	27	35	24	21	36	22	31	25	19	23	27	303
TOR	22	12	18	8	21	19	34	25	39	21	20	11	250
WAR	10	24	15	11	5	4	11	20	13	4	8	8	133
WER	20	10	18	8	6	8	7	7	22	17	14	9	146
Total	90	105	110	90	84	90	101	113	135	91	120	73	1202

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**

November-09	Civil												S RTP	Sys. Total
Unscheduled Psych Meds	All	Cl a	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Total	S RTP	Total
Number of Unique Patients	23	23	31	52	43	41	33	246	22	11	11	44	4	294
% of Census	13.5%	10.6%	18.0%	21.8%	20.6%	25.6%	15.3%	17.8%	16.8%	18.0%	40.7%	20.1%	16.0%	18.1%
Number of Early Med Events	25	1	1	0	6	27	1	61	0	2	5	7	0	68
Number of STAT meds	52	87	147	170	153	162	130	901	41	16	14	71	16	988
Rate per 1Kdays	15.21	13.47	28.79	23.52	25.98	37.99	20.14	23.15	10.36	9.51	25.30	11.81	21.80	21.60

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

	Civil									Forensic			
STAT Use of Combo Meds	All	Cl a	Dan	Nor	Tor	War	Wer	Cnt	Nor	Tor	War	Cnt	
Chlorpromazine/Lorazepam	0	1	2	0	0	0	9	12	1	0	0	1	
Haloperidol/Lorazepam	1	12	1	8	1	0	7	30	2	0	0	2	
Olanzapine/Lorazepam	1	16	1	0	1	0	2	21	0	0	0	0	
Quetiapine/Lorazepam	0	1	0	0	0	0	0	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	1	0	4	0	1	0	6	0	0	0	0	
Total	2	31	4	12	2	1	18	70	3	0	0	3	

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

ABV	UNIT	Count	ABV	UNIT	Count	ABV	UNIT	Count	ABV	UNIT	Count
WAR	3SW	102	NOR	01A1	21	CLA	7	10	NOR	09AR	5
NOR	10A2	55	TOR	024	20	DAN	210	9	NOR	51C2	5
DAN	312	49	WAR	3IM	20	ALL	M6	9	ALL	3W	4
CLA	3	46	TOR	014	20	ALL	2W	8	NOR	09CF	4
WER	34-3	38	WAR	3NM	19	CLA	2	8	NOR	51C1	4
TOR	023	38	CLA	6	18	TOR	FC1	7	WAR	IBG	4
WER	34-4	37	TOR	071	16	NOR	10C1	7	WER	34-2	4
NOR	01C1	35	WAR	FOR	14	WER	37-1	7	CLA	5	3
DAN	211	33	NOR	10A1	14	NOR	51A2	7	TOR	012	3
TOR	021	32	ALL	M5	13	WAR	IBH	6	TOR	FB4	3
WER	35-3	32	TOR	011	13	DAN	212	6	NOR	51B2	3
NOR	09AF	29	ALL	M3	12	ALL	M4	6	CLA	4	2
DAN	311	27	WER	35-4	11	TOR	FC2	6	TOR	013	1
TOR	022	26	NOR	51B1	11	WAR	2NM	6	WER	35-2	1
DAN	310	23	NOR	51A1	11	WAR	2SW	5	Total		988

Table 25

Route of STAT Medications for Psychiatric Reasons for November

Route	Civil								Forensic				S RTP
	ALL	CLA	DAN	NOR	TOR	WAR	WER	Cnt	NOR	TOR	WAR	Cnt	S RTP
Not reported				2				2	1			1	
IM	32	38	42	89	99	77	45	422	28	8	5	41	11
Oral	20	49	105	79	54	85	85	477	12	8	9	29	5
Totals	52	87	147	170	153	162	130	901	41	16	14	71	16

Table 26

Psychiatric Use of STAT Medications by Shift for November

Civil						Forensic				
ABV	0	1	2	3	Count	ABV	1	2	3	Count
ALL		28	16	8	52	NOR	20	20	1	41
CLA		41	35	11	87	TOR	4	6	6	16
DAN		70	35	42	147	WAR	7	6	1	14
NOR	1	89	68	12	170	Totals	31	32	8	71
TOR		61	79	13	153	S RTP				
WAR		52	95	15	162	S RTP	4	12		16
WER		65	42	23	130					
Totals	1	406	370	124	901					

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
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
Nov-09	15.21	13.47	28.79	n/a	23.52	25.98	37.99	20.14	23.15	9.34	n/a	10.36	9.51	25.30	11.81	7.43	21.80

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												SRTP	System
	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
Feb-09	124	136	81	114	88	97	84	724	25	20	17	62	3	789
May-09	124	137	91	111	91	92	93	739	33	28	14	75	3	817
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

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												SRTP	System
	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
Feb-09	1	19	30	16	53	58	22	199	2	3	2	7	0	206
May-09	4	17	27	18	48	59	26	199	3	0	1	4	0	203
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

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												SRTP	System
	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
Feb-09	49	38	48	105	48	32	66	386	27	19	2	48	0	434
May-09	47	57	54	104	40	32	60	394	36	21	3	60	0	454
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

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
November 2009**

ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt
NOR	10A2	27	WER	35-3	8	WER	37-1	4	TOR	021	2
WER	34-2	17	DAN	312	8	SMO	3B	4	TOR	023	2
WER	34-4	16	NOR	09CF	7	NOR	01A1	4	TOR	024	2
DAN	211	12	NOR	10A1	7	WAR	3NM	3	TOR	071	2
DAN	310	12	TOR	014	6	WER	34-3	3	TOR	FB4	2
DAN	212	10	TOR	022	6	NOR	01C1	3	WAR	2SW	2
ALL	M3	10	ALL	M6	6	WAR	2NM	3	WAR	3SW	2
CLA	3	9	TOR	013	6	ALL	M5	2	WAR	IBG	2
NOR	51A1	9	NOR	09AF	5	CLA	5	2	NOR	51B2	2
CLA	2	8	WAR	3IM	5	DAN	210	2	NOR	09AR	1
NOR	10C1	8	ALL	2W	4	NOR	51C2	2	NOR	51A2	1
NOR	51B1	8	WER	35-4	4	SMO	5A	2	Total		300
ALL	M4	8	CLA	7	4	TOR	011	2			
WER	35-2	8	DAN	311	4	TOR	012	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.	Nor	Tor	War	Avg.	S RTP
Dec-08	1.49	1.16	2.59	0.00	3.07	2.43	0.38	1.26	1.79	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	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	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	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	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	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	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	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	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	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	3.90	0.00	2.54	2.66	2.69
Nov-09	1.78	1.22	2.72	n/a	2.08	1.14	1.61	1.38	1.68	1.52	0.53	0.00	1.06	1.36

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	M3	9	TOR	071	2	ALL	M4	1	TOR	021	1
DAN	310	9	WER	37-1	2	NOR	09AF	1	WAR	3NM	1
WER	34-4	6	TOR	023	2	NOR	09CF	1	WAR	3SW	1
SMO	5A	4	SMO	3A	2	DAN	211	1	WAR	FOR	1
WER	35-3	3	CLA	3	2	NOR	10C1	1	WAR	IBG	1
ALL	2W	3	WER	34-2	2	NOR	51B2	1	WER	34-3	1
DAN	312	3	CLA	7	1	NOR	51C2	1	WER	35-4	1
DAN	212	3	CLA	4	1	SMO	3B	1	NOR	51C1	1
WAR	3IM	3	ALL	M6	1	TOR	012	1	Total		80
NOR	10A2	3	NOR	01A1	1	TOR	014	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	Nor	Tor	War	Avg	S RTP	
Dec-08	1.12	0.87	0.40	0.00	0.38	0.76	0.57	0.79	0.68	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	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	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	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	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	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	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	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	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	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	0.24	0.53	0.00	0.30	1.34	
Nov-09	0.79	0.15	1.56	n/a	0.14	0.49	0.40	1.08	0.63	0.25	0.00	0.00	0.15	0.00	