



*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 February 2010*

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State Hospital Risk Management Summary Report February 2010

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.

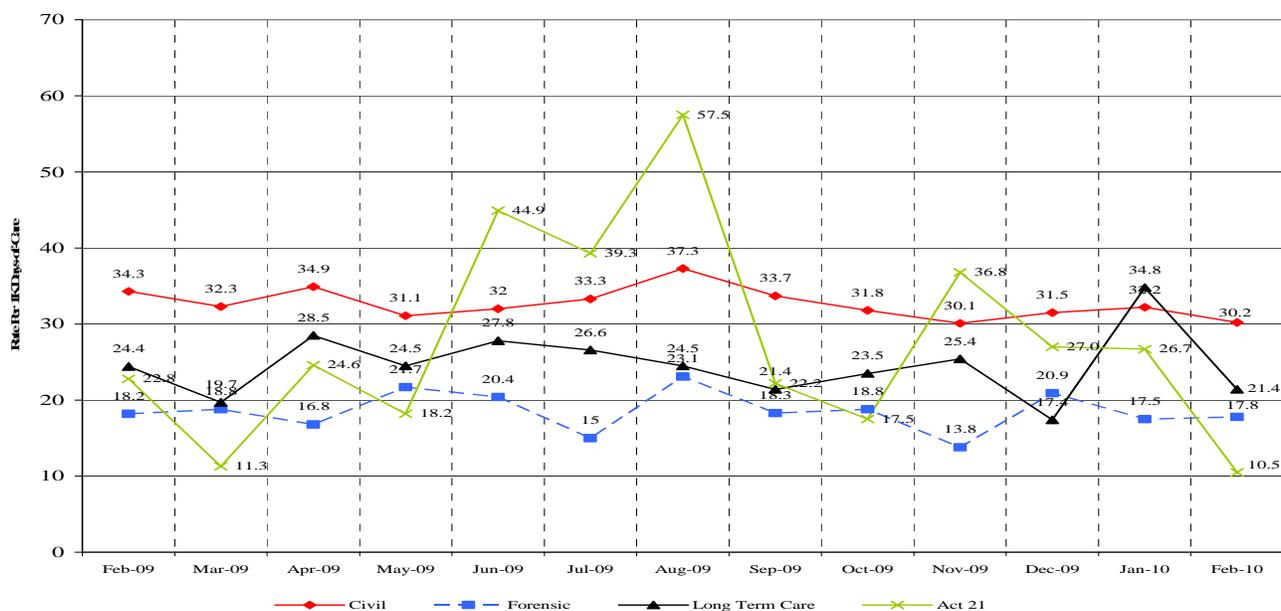
During **February** a total of 1372 incident reports were completed by the state hospital system, which is a decrease of 268 events from the previous month. Additionally, 24 prior month records were added to the database. These records are included in all monthly comparisons (page 3) made in this summary report. The following is a breakdown of incidents by individual facility and type of care:

Table 1

February 2010

Civil	Census 2/28/10	Days Provided	Incidents	Per 1000 Days-of-Care
Allentown	165	4670	162	34.7
Clarks Summit	219	6127	84	13.7
Danville	175	4866	118	24.2
Norristown	232	6339	223	35.2
Torrance	212	5661	238	42.0
Warren	156	4363	114	26.1
Wernersville	215	6046	212	35.1
Total Civil	1374	38072	1151	30.2
Forensic				
Norristown	126	3504	71	20.3
Torrance	51	1491	20	13.4
Warren	24	722	11	15.2
Total Forensic	201	5717	102	17.8
Act 21				
Act 21	28	759	8	10.5
Total Act 21	28	759	8	10.5
Long Term Care				
South Mountain	133	3743	80	21.4
Total L. T. C.	133	3743	80	21.4
Total	1736	48291	1341	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	9/09	10/09	11/09	12/09	1/10	2/10
Total number of reported airway obstructions or choking incidents at all facilities (Type 1 & 2):	5	9	5	10	7	10
Total number of AWOL's & UA's all facilities:	39	32	30	27	30	33
Total number of falls (Type 1 & 2) at all facilities:	199	186	203	176	180	192
Total number of reported falls involving consumers age 65 or older:	39	39	47	35	57	50
Total number of reported falls involving consumers age 75 or older:	18	15	13	6	20	11
Total number of reported fire setting events:	0	2	1	0	1	0
Total number of reported incidents involving a bone fracture:	6	5	1	7	2	6
Total number of reported deaths for this report period:	6	4	7	2	8	9
Total number of reported incidents involving a burn or scald:	0	4	3	3	5	6
Total number of reported incidents involving a cut or laceration requiring sutures, steri-strips or glue:	14	27	22	12	20	18
Total number of reported incidents of patient-to-patient assault (see note below):	447	383	303	353	373	232
Total number of reported incidents of patient-to-staff assaults:	95	110	80	91	96	100
Total number of reported incidents involving alleged abuse:	9	13	+11	-16	-16	19
Total percentage for the month of reported incidents involving no physical injury to the Patient:	69%	64%	66%	69%	66%	67%
Total incidents of physical restraint used for the month:	90	118	73	102	101	92
Total hours of physical restraint used for the month:	6.185	10.866	6.926	9.657	12.221	13.617
Incidents of mechanical restraint use for the month:	7	11	10	11	6	8
Total hours of mechanical restraint used for the month:	6.32	7.77	8.18	7.80	5.50	8.78
Total reported incidents involving the use of seclusion:	0	2	0	0	2	1
Total hours of seclusion used for the month:	0	0.75	0	0	2.50	.60
Total number of reported incidents coded as alleged sexual assault:	4	3	1	1	6	6
Total number of reported incidents of attempted suicide:	6	0	3	7	3	3
Total number of reported incidents involving the threat or plan of suicide:	4	4	10	+8	3	4
Total number of reported incidents of illicit drug use/possession:	1	0	0	1	2	2
Total number of medication errors:	56	59	43	43	+49	46
Total number of STAT medications administered for psychiatric indications:	997	1128	988	1108	1087	998

***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**
February 2010

Primary Cat #	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Accident-Injury	1	2	4	4	5	2	12	30
Adverse Drug Reaction	2	1	1					4
Aggression	15	6	4	29	35	20	48	157
Airway Obstruction type 1 Intervention			1	1	1	3		6
Airway Obstruction type 2 No Intervention			1	1	1			3
Alcohol Use/Possession/Suspected or Confirmed	1							1
Alleged Nonconsensual Sexual Activity				2	2			4
Alleged Pt. Abuse	4	2		6		1	2	15
Assault, Pt./Pt	21	17	16	59	43	12	32	200
Assault, Pt./Staff	10	9	10	16	10	9	18	82
AWOL/UA	1	1	1	4	4	1	8	20
AWOL-Attempt	1		1		2			4
AWOL-Late	1		2	1	1	4		9
Change in Medical Status-Stabilized	1			8	3			12
Change in Medical Status-Transferred	11	3	4	20	9	2	1	50
Charged with alleged crime on hospital grounds	1		1				2	4
Communications Sys. Misuse	1	1	1					3
Community Incident		1			1			2
Contraband Possession	4	1	5		3	6	2	21
Fall Type 1-Injury with treatment	15	11	10	3	16	6	11	72
Fall Type 2-No treatment needed	7	7	7	4	17	16	32	90
Family Concern	1				2		4	7
Illicit Substance Use/Possession	1		1					2
Indeterminate/Unconfirmed Cause of Injury	2	3	1	4	10		4	24
Medication Error	8	4	6	8			4	30
Missing Property	6	1	2	4	3	2	1	19
Other	28	10	2	5	22	10	12	89
Procedural Treatment Error	4			4			2	10
Property Damage			5	3	3	5	1	17
Seizure					1		1	2
Self-Injurious behavior	5	4	30	17	31	10	11	108
Sexual Behavior	2			4	2	3		11
Smoking Violation	3			11	6			20
Suicide Attempt	3							3
Suicide threat/plan	1				1		1	3
Theft	1			4	1	2	1	9
Unknown							1	1
Unsubstantiated Nonconsensual Sexual Activity					2			2
Unsubstantiated Patient Abuse			2	1	1		1	5
Totals	162	84	118	223	238	114	212	1151

Table 3

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

Primary effect	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Abrasion/scrape/scratch/hematoma	12	9	18	13	30	14	14	110
Allergic reaction		1						1
Bite-Human		1				1		2
Bite-Insect				1				1
Blister				1				1
Body System Illness	2	1		3	6			12
Bruise/contusion/discoloration	7	6	8	3	13	4	13	54
Burn/Scald			1		1		3	5
Cellulitis	1					1		2
Constipation				1				1
Death		2		2				4
Edema/swelling		1	2	2	8	1	1	15
Emesis	2	1				1		4
Epistaxis		1		2				3
Erythema/redness	1		1	1	4		2	9
Fever	1	1		1				3
Fracture	1		2		1			4
Ingestion of foreign body	1	1		1			2	5
Laceration: NO sutures/staples/steri-strips			2	3	4		2	11
Laceration: with steristrips/glue	1			1	1		1	4
Laceration: with sutures/staples	4	5			1			10
Lethargy				3				3
Muscle pull/strain/sprain	2					2		4
No Injury/NA	112	52	77	160	147	83	159	790
Other	8			16	6	4	5	39
Pain unspecified							1	1
Pain, Specified	6	2	3	5	9	1	9	35
Puncture/stab wound				1				1
Respiratory Distress			1	1	2	1		5
Seizure			1		1			2
Skin Irritation/Rash			1		3	1		5
Sunburn				1				1
Syncopal episode					1			1
Unconscious/Unresponsive	1		1					2
Visual changes				1				1
Totals	162	84	118	223	238	114	212	1151

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					2				5
Aggression	5	3	3			2	1	1	2		17
Airway Obstruction type 1 Intervention							1				1
Alleged Nonconsensual Sexual Activity			2								2
Alleged Pt. Abuse	2	1		1							4
Assault, Pt./Pt	6	6	4	2		4	2	2	2		28
Assault, Pt./Staff	5	1	2	1	1		2			1	13
Change in Medical Status-Stabilized						1					1
Change in Medical Status-Transferred	1				1					1	3
Communications Sys. Misuse		1									1
Contraband Possession								1	1		2
Fall Type 1-Injury with treatment							1	1		1	3
Fall Type 2-No treatment needed						1			1	1	3
Medication Error							1				1
Missing Property						1					1
Other				1	2			1	1	1	6
Property Damage		1									1
Self-Injurious behavior	3	2			1		1				7
Suicide threat/plan										1	1
Theft									1		1
Unsubstantiated Nonconsensual Sexual Activity					1						1
Totals	23	17	11	5	6	9	11	6	8	6	102

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	5	1	1			1	1				9
Bite-Human			1								1
Bruise/contusion/discoloration		1		1			1				3
Death					1						1
Edema/swelling		2		1				1			4
Erythema/redness										1	1
Fracture							1				1
Laceration: NO sutures/staples/steri-strips	1	2				1					4
Lethargy				1							1
Muscle pull/strain/sprain							1				1
No Injury/NA	15	11	9	2	4	6	7	5	7	2	68
Other	1										1
Pain, Specified	1				1	1			1	3	7
Totals	23	17	11	5	6	9	11	6	8	6	102

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

Table 6

Cause of Incidents in the Long Term Care Facility

Cause	3A	3B	5A	6A	6B	Count
Accident-Injury	1	4	2	1	2	10
Aggression	1		1			2
Assault, Pt./Pt	2	2				4
Assault, Pt./Staff		1		2		3
Change in Medical Status-Stabilized			2			2
Change in Medical Status-Transferred		1	6	1		8
Fall Type 1-Injury with treatment	1		2		2	5
Fall Type 2-No treatment needed	1	1	2		1	5
Medication Error	3	1	6	2		12
Near Fall	1					1
Other	3	3	4	4	2	16
Procedural Treatment Error	1			2		3
Property Damage	2	3				5
Smoking Violation		2	1			3
Theft			1			1
Totals	16	18	27	12	7	80

Table 7

Effect of Incidents in the Long Term Care Facility

EFFECT	3A	3B	5A	6A	6B	Count
Abrasion/scrape/scratch/hematoma		3	3	1	2	9
Allergic reaction	1					1
Blister	1					1
Body System Illness			3			3
Bruise/contusion/discoloration		1	1	2	1	5
Burn/Scald			1			1
Cellulitis			2			2
Death			1	2	1	4
Epistaxis			2			2
Fracture	1					1
Laceration: with steristrips/glue		1	1			2
Laceration: with sutures/staples					2	2
No Injury/NA	12	12	12	6	1	43
Other		1				1
Pain, Specified	1					1
Respiratory Distress			1	1		2
Totals	16	18	27	12	7	80

Act-21-Sexual Responsibility & Treatment Program at Torrance State Hospital

In August 2003, the Pennsylvania Legislature enacted Act 21 for adjudicated youth, aging out of the juvenile justice system who have a "mental abnormality" that renders them unable to control their violent sexual impulses. The Act mandates the state to provide mental health and sex-offense specific treatment to an identified population that had been adjudicated of certain sex crimes, received treatment in a juvenile program, yet remains a significant risk to sexually re-offend after reaching the age of 21, an age when oversight by the juvenile justice system typically ends. The Act requires the referral of such individuals who have committed these specific crimes to the Pennsylvania Sexual Offenders Assessment Board (SOAB) ninety days prior to their 20th birthday for purposes of determining if the individual has "serious difficulty in controlling sexually violent behavior." If so determined, a petition for a mental health hearing will be made for determination of civil commitment to the Sexual Responsibility and Treatment Program (SRTP) on the grounds of Torrance State Hospital. On July 1, 2006 the operation of this program transferred from an independent contractor to the Torrance State Hospital.

Table 8 Cause of Incidents in the Sexual Responsibility and Treatment Program

Cause	TOR	Count
Aggression	3	3
Assault, Pt./Staff	1	1
Contraband Possession	1	1
Fall Type 2-No treatment needed	1	1
Self-Injurious behavior	2	2
Totals	8	8

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	5	5
Totals	8	8

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
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%	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%

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	
February10 Patient Census	165	219	175	232	212	156	215	1374	126	51	24	201	28	133	1736
February10 Count	48	33	34	55	47	31	44	292	12	6	3	21	0	40	353
% w/ Diabetes	29%	15%	19%	24%	22%	20%	20%	21%	10%	12%	13%	10%	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
February 2010**

Cause	ALL	CLA	DAN	NOR	SMO	TOR	WAR	WER	Count
Adverse Drug Reaction	1								1
Aggression				1				1	2
Airway Obstruction type 1 Intervention				1					1
Assault, Pt./Staff							1		1
Change in Medical Status-Transferred	11	2	1	22	7	8	2	1	54
Community Incident		1							1
Fall Type 1-Injury with treatment	2			1	1	1	3	1	9
Indeterminate/Unconfirmed Cause of Injury				1					1
Other				1					1
Self-Injurious behavior	1			2				2	5
Suicide Attempt	1								1
Totals	16	3	1	29	8	9	6	5	77

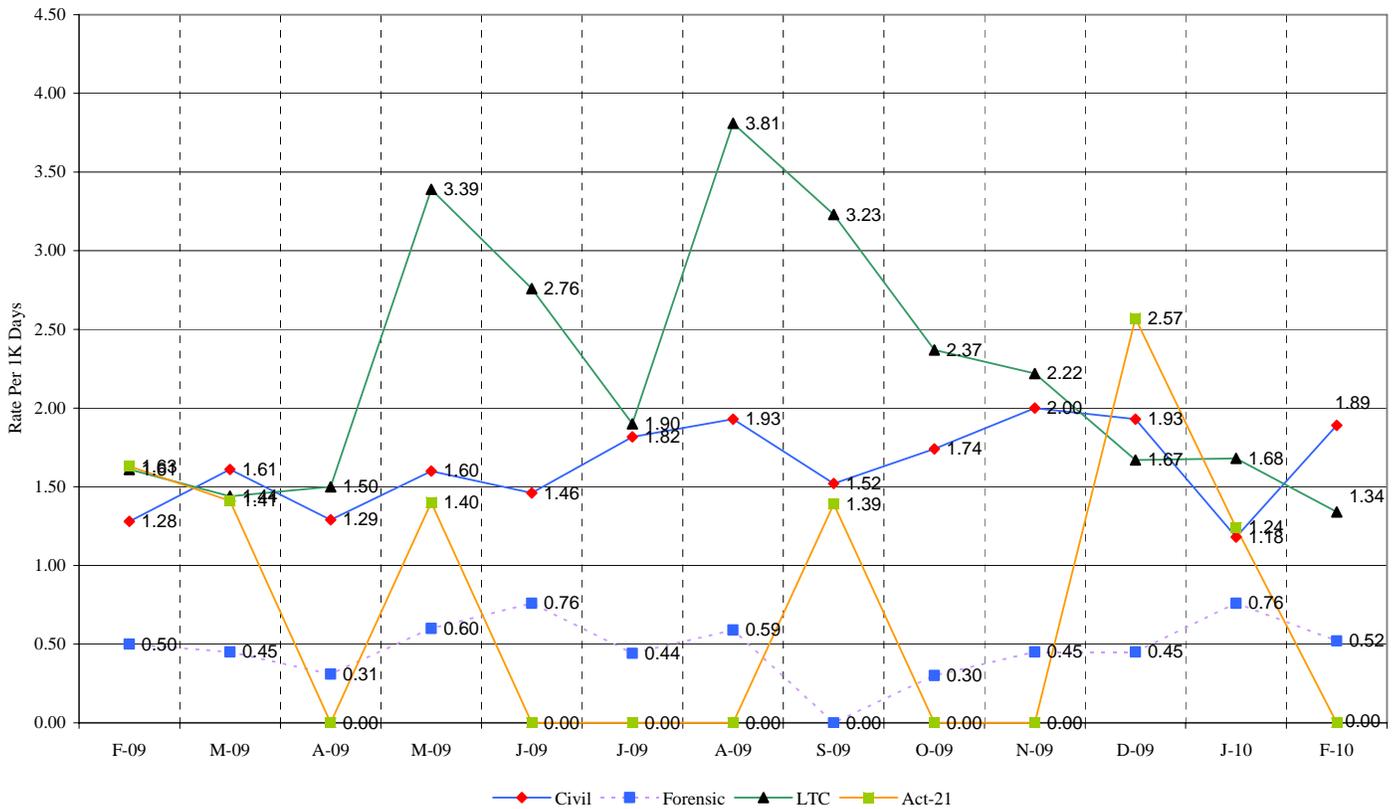
Falls

Falls within the state hospital risk management system are divided into two categories, type 1 and type 2, with the need for medical intervention or lack thereof defining the difference. The following data relates to falls, type 1 which are defined as an involuntary descent to a lower position, excluding seizures, that is witnessed or reported and requires medical intervention.

Table 13 13-Month Rate of Type 1 Falls Per 1,000 Days-of-Care

M/Year	Civil Hospital								Forensic Center				A21	LTC	Sys Avg
	All	Cl	Dan	Nor	Tor	War	Wer	Ttl	Nor	Tor	War	Total	A21	SMRC	
Feb-09	1.03	1.64	1.13	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	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	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	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

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	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Total
NOR								0.50			0.50		1.00
TOR				4.50								0.60	5.10
WAR	1.93				0.67	1.00		0.25			2.00		5.85
Total	1.93	0.00	0.00	4.50	0.67	1.00	0.00	0.75	0.00	0.00	2.50	0.60	11.95

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

ABV	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Total
NOR	0	0	0	0	0	0	0	1	0	0	1	0	2
TOR	0	0	0	3	0	0	0	0	0	0	0	1	4
WAR	2	0	0	0	2	1	0	1	0	0	1	0	7
Total	2	0	0	3	2	1	0	2	0	0	2	1	13

**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
February 2010**

ABV	WARD	Total Hrs
NOR	01C1	6.25
NOR	01A1	1.03
NOR	51A1	0.75
NOR	10A2	0.50
WER	34-4	0.25
Total		8.78

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

ABV	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Total
CLA	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.50	0.73	0.00	0.00	1.65
NOR	0.17	1.00	1.75	0.50	0.50	2.08	1.50	2.75	6.25	3.98	5.50	8.53	34.52
WAR	0.67	0.00	0.00	0.00	0.33	0.00	0.00	1.12	0.50	0.00	0.00	0.00	2.62
WER	2.17	11.45	0.83	2.00	3.00	8.00	4.82	3.90	0.93	3.08	0.00	0.25	40.43
Total	3.00	12.45	2.58	2.92	3.83	10.08	6.32	7.77	8.18	7.80	5.50	8.78	79.22

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

ABV	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Total
CLA	0	0	0	1	0	0	0	0	1	1	0	0	3
NOR	1	1	4	1	1	4	1	4	6	6	6	7	42
WAR	2	0	0	0	1	0	0	2	1	0	0	0	6
WER	2	3	1	1	2	2	6	5	2	4	0	1	29
Total	5	4	5	3	4	6	7	11	10	11	6	8	80

**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**
February 2010

ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total
NOR	01C1	3.167	NOR	10A2	0.517	DAN	311	0.125	WER	35-4	0.033
DAN	310	1.083	TOR	072	0.500	ALL	M5	0.100	WAR	3NM	0.033
TOR	013	1.083	TOR	014	0.450	WAR	3IM	0.083	WAR	FOR	0.017
TOR	023	1.069	TOR	011	0.317	CLA	1	0.083	WER	35-3	0.017
TOR	071	0.817	TOR	FC2	0.300	DAN	312	0.051	WER	37-1	0.008
WER	34-4	0.775	NOR	51A1	0.279	NOR	51B1	0.050	NOR	09AF	0.008
CLA	3	0.717	NOR	51A2	0.183	CLA	2	0.050	WER	34-2	0.006
ALL	2W	0.667	WAR	3SW	0.167	CLA	6	0.040	ALL	3W	0.003
NOR	01A1	0.650	NOR	09CF	0.135	CLA	7	0.033	Total		13.617

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

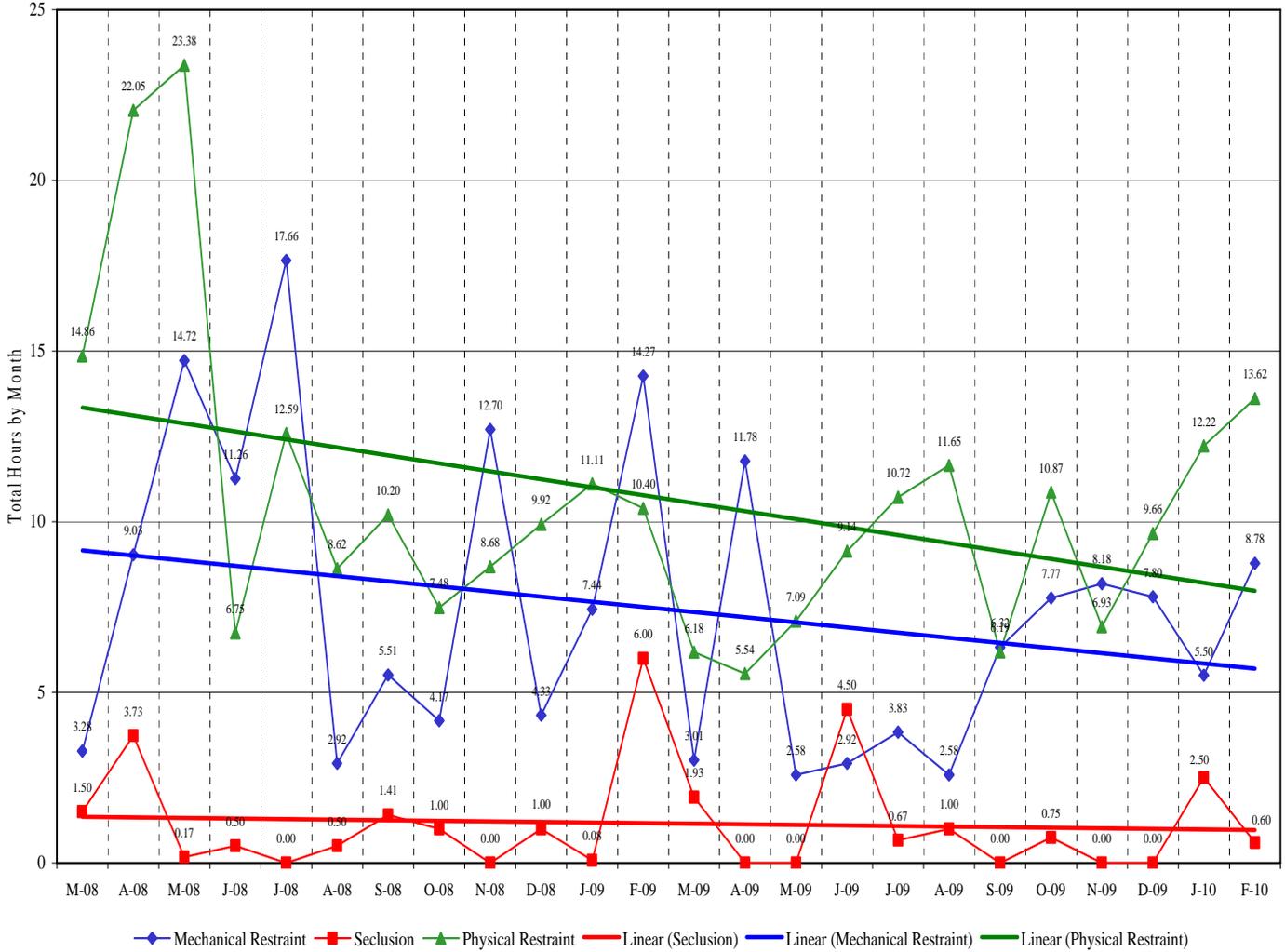
ABV	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Total
ALL	0.036	1.105	0.050	0.417	0.287	0.033	0.550	1.056	0.308	0.117	0.719	0.769	5.448
CLA	1.017	0.825	0.489	0.624	0.933	0.555	0.088	0.708	0.304	0.911	0.839	0.924	8.216
DAN	0.814	0.229	0.614	0.240	0.964	0.926	0.800	2.845	0.150	0.342	1.858	1.260	11.043
NOR	0.999	0.729	1.738	1.331	1.556	1.154	0.758	1.136	2.631	5.156	5.004	4.989	27.179
TOR	0.618	1.583	2.235	4.078	4.033	5.577	2.731	3.479	2.267	2.150	3.501	4.536	36.789
WAR	2.683	2.000	0.433	2.533	2.550	2.217	0.250	0.967	0.683	0.133	0.100	0.300	14.850
WER	0.328	0.239	1.533	0.167	0.394	1.190	1.013	0.950	0.583	1.007	0.199	0.839	8.441
Total	6.495	6.710	7.092	9.389	10.717	11.653	6.189	11.141	6.926	9.815	12.221	13.617	111.966

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

ABV	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Total
ALL	2	7	1	8	8	2	12	9	4	3	6	4	66
CLA	24	14	11	11	9	16	2	13	6	13	10	16	145
DAN	13	10	11	8	13	18	16	33	8	4	9	7	150
NOR	24	21	36	22	31	25	19	23	27	43	33	32	336
TOR	8	21	19	34	25	39	21	20	11	16	32	15	261
WAR	11	5	4	11	20	13	4	8	8	3	3	4	94
WER	8	6	8	7	7	22	17	14	9	21	8	14	141
Total	90	84	90	101	113	135	91	120	73	103	101	92	1193

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**

February-10	Civil												SRTP	Sys. Total
Unscheduled Psych Meds	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Total	SRTP	Total
Number of Unique Patients	15	27	29	43	45	37	44	240	20	4	10	34	6	280
% of Census	9.1%	12.3%	16.6%	18.5%	21.2%	23.7%	20.5%	17.5%	15.9%	7.8%	41.7%	16.9%	21.4%	17.5%
Number of Early Med Events	2	1	0	0	8	16	1	28	0	0	7	7	1	36
Number of STAT meds	27	81	132	192	224	116	131	903	52	9	17	78	17	998
Rate per 1Kdays	6.21	13.38	27.13	30.29	40.98	30.25	21.83	24.45	14.84	6.04	33.24	14.87	23.72	23.21

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	1	0	1	3	0	5	10	0	0	0	0	
Haloperidol/Lorazepam	1	10	0	22	0	0	3	36	1	0	0	1	
Olanzapine/Lorazepam	0	11	0	0	0	0	2	13	0	0	0	0	
Quetiapine/Lorazepam	0	2	0	0	0	0	0	2	0	0	0	0	
Use of 3 medications	0	0	0	0	0	0	0	0	0	0	0	0	
Other Neuroleptic combos	3	0	0	8	1	0	2	14	0	0	0	0	
Total	4	24	0	31	4	0	12	75	1	0	0	1	

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

ABV	UNIT	Count	ABV	UNIT	Count	ABV	UNIT	Count	ABV	UNIT	Count
NOR	10A2	73	TOR	011	20	NOR	51C2	10	TOR	024	4
TOR	014	64	WER	35-4	20	DAN	210	10	ALL	M6	4
WAR	3SW	58	WAR	3IM	18	DAN	212	10	TOR	FC2	4
TOR	023	55	NOR	51A1	17	ALL	2W	9	NOR	51B1	3
DAN	312	49	DAN	310	17	CLA	2	8	TOR	012	3
NOR	09AF	49	WAR	FOR	17	NOR	09CF	8	TOR	FC1	3
CLA	3	42	WAR	3NM	17	NOR	51C1	8	NOR	01C2	2
DAN	311	40	TOR	071	17	WER	35-2	7	TOR	FB4	2
WER	34-4	39	TOR	021	15	WAR	2SW	7	ALL	M4	2
TOR	022	37	WER	34-3	15	WER	34-2	6	CLA	8	1
NOR	01A1	27	NOR	51A2	13	DAN	211	6	CLA	5	1
TOR	013	26	ALL	M5	12	CLA	4	5	NOR	10A1	1
NOR	01C1	23	CLA	6	12	WAR	2NM	5	CLA	1	1
WER	37-1	23	CLA	7	11	NOR	09AR	5	NOR	51B2	1
WER	35-3	21	WAR	IBE	11	NOR	10C1	4	Total		998

Table 25

Route of STAT Medications for Psychiatric Reasons for February

Route	Civil								Forensic				S RTP
	ALL	CLA	DAN	NOR	TOR	WAR	WER	Cnt	NOR	TOR	WAR	Cnt	S RTP
Not reported									1			1	
IM	11	48	48	122	157	47	48	481	25	5	2	32	6
Oral	16	33	84	70	67	69	83	422	26	4	15	45	11
Totals	27	81	132	192	224	116	131	903	52	9	17	78	17

Table 26

Psychiatric Use of STAT Medications by Shift for February

	Civil				Forensic					
	ABV	1	2	3	Count	ABV	0	1	2	3
ALL	9	16	2	27	NOR	1	18	29	4	52
CLA	46	29	6	81	TOR		4	5		9
DAN	40	47	45	132	WAR		8	5	4	17
NOR	119	57	16	192	Totals	1	30	39	8	78
TOR	94	118	12	224	S RTP					
WAR	48	55	13	116	S RTP		5	11	1	17
WER	61	60	10	131						
Totals	417	382	104	903						

Table 27

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

Month	Civil									Forensic					S RTP
	All	Cla	Dan	Nor	Tor	War	Wer	Total	Std Dev	Nor	Tor	War	Total	Std Dev	S RTP
Feb-09	11.34	24.77	23.70	29.81	25.81	48.98	31.50	27.92	12.44	17.13	21.31	38.75	20.47	9.73	11.38
Mar-09	7.40	22.85	20.71	13.61	23.85	32.50	21.82	20.08	8.41	8.34	25.32	32.54	19.81	10.21	15.47
Apr-09	12.13	15.72	26.48	16.91	30.17	27.13	18.52	20.59	7.63	9.02	25.16	26.53	15.75	8.26	10.14
May-09	7.50	16.98	29.32	22.95	24.46	22.15	25.33	21.29	7.88	22.87	15.47	11.48	19.58	4.95	16.83
Jun-09	8.32	17.51	21.63	20.95	24.17	28.72	23.50	20.68	7.25	16.24	27.98	24.93	20.60	5.12	20.81
Jul-09	5.42	13.26	25.65	27.25	37.72	47.11	18.22	24.40	14.37	20.42	25.42	40.90	24.15	9.04	30.86
Aug-09	6.26	15.89	30.40	29.57	25.79	49.24	26.56	25.99	13.75	12.71	20.40	84.68	22.83	33.30	41.04
Sep-09	9.61	12.11	29.86	23.37	28.36	29.87	30.43	23.32	9.68	10.86	18.11	42.36	16.63	13.94	12.50
Oct-09	11.76	14.23	40.47	20.65	43.53	25.19	22.81	25.22	12.73	13.64	7.99	35.58	14.63	12.11	23.55
Nov-09	15.21	13.47	28.79	23.52	25.98	37.99	20.14	23.15	9.34	10.36	9.51	25.30	11.81	7.43	21.80
Dec-09	8.79	13.95	24.02	29.67	34.07	23.88	27.06	23.44	9.58	18.36	15.70	51.98	21.72	16.87	30.85
Jan-10	13.67	10.15	20.94	36.72	40.68	23.07	12.49	22.88	12.11	14.25	34.31	39.70	22.83	11.44	74.63
Feb-10	6.21	13.38	27.13	30.29	40.98	30.25	21.83	24.45	12.04	14.84	6.04	33.24	14.87	11.44	23.72

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				S RTP	Sys
M/Y	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
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
Feb-10	144	142	103	117	82	91	94	773	33	14	16	63	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	Civil								Forensic				S RTP	Sys
M/Y	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
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
Feb-10		18	33	14	56	52	48	221	4	5	3	12	0	233

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				S RTP	Sys
M/Y	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
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
Feb-10		68	66	110	42	33	70	389	26	18	3	47	0	436

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
February 2010**

ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt
NOR	10A2	23	NOR	51A1	6	WER	34-4	4	DAN	210	2
NOR	01A1	15	WER	34-2	6	WER	37-1	4	WAR	FOR	2
TOR	023	14	WER	35-3	5	NOR	51B1	4	DAN	310	2
TOR	011	11	ALL	M4	5	NOR	51C2	4	DAN	312	2
TOR	022	11	ALL	M5	5	DAN	211	3	NOR	51B2	2
WAR	3IM	10	CLA	7	5	WER	35-4	3	TOR	FB4	2
WER	34-3	8	ALL	2W	5	ALL	M3	2	CLA	8	2
DAN	212	7	ALL	M6	4	TOR	FC1	2	WAR	3SW	1
TOR	013	7	CLA	2	4	SMO	3B	2	WAR	3NM	1
NOR	51A2	6	CLA	3	4	SMO	3A	2	NOR	09AR	1
NOR	09AF	6	NOR	10C1	4	CLA	6	2	Total		232
NOR	09CF	6	NOR	01C1	4	WER	35-2	2			

Note: Every Patient-to-Patient Assault accounts for at least 2-incident reports.

Table 32 Rate of Patient-to-Patient Assaults Events with Patient Injury per 1,000 Days-of-Care

Pt.-to-Pt. Assault w/ any Injury	Civil								Forensic				S RTP
	All	Cl a	Dan	Nor	Tor	War	Wer	Avg.	Nor	Tor	War	Avg.	
Mar-09	0.74	1.93	0.41	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	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	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

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
WAR	3NM	6	WER	34-4	3	WER	37-1	2	NOR	10A1	1
DAN	312	6	ALL	M5	3	TOR	024	1	TOR	022	1
WER	35-4	5	CLA	6	3	WER	35-3	1	TOR	021	1
ALL	M6	5	ALL	M3	2	WER	35-2	1	NOR	51A2	1
NOR	51A1	5	NOR	51B1	2	WAR	IBE	1	TOR	014	1
NOR	10C1	4	NOR	09CF	2	CLA	4	1	NOR	51B2	1
NOR	01A1	4	NOR	09AF	2	CLA	7	1	NOR	51C1	1
CLA	3	4	SMO	6A	2	WAR	3IM	1	TOR	013	1
WER	34-2	3	DAN	210	2	WAR	2SW	1	TOR	FC2	1
NOR	10A2	3	DAN	310	2	WAR	2NM	1	Total		100
TOR	011	3	WAR	FOR	2	SMO	3B	1			
WER	34-3	3	TOR	023	2	TOR	071	1			

Table 34

Rate of Patient-to-Staff Assault Events with Injury to Staff per 1,000 Days-of-Care

Pt/Staff Assault w/ Staff Inj per 1K days	Civil								Forensic				S RTP
	All	Cl a	Dan	Nor	Tor	War	Wer	Avg	Nor	Tor	War	Avg	S RTP
Feb-09	1.03	0.33	1.35	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	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	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	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