



*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 April 2010*

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May 21, 2010*

Internet: <http://www.dpw.state.pa.us/PartnersProviders/MentalHealthSubstanceAbuse/StateHospitals/>

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State Hospital Risk Management Summary Report April 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.

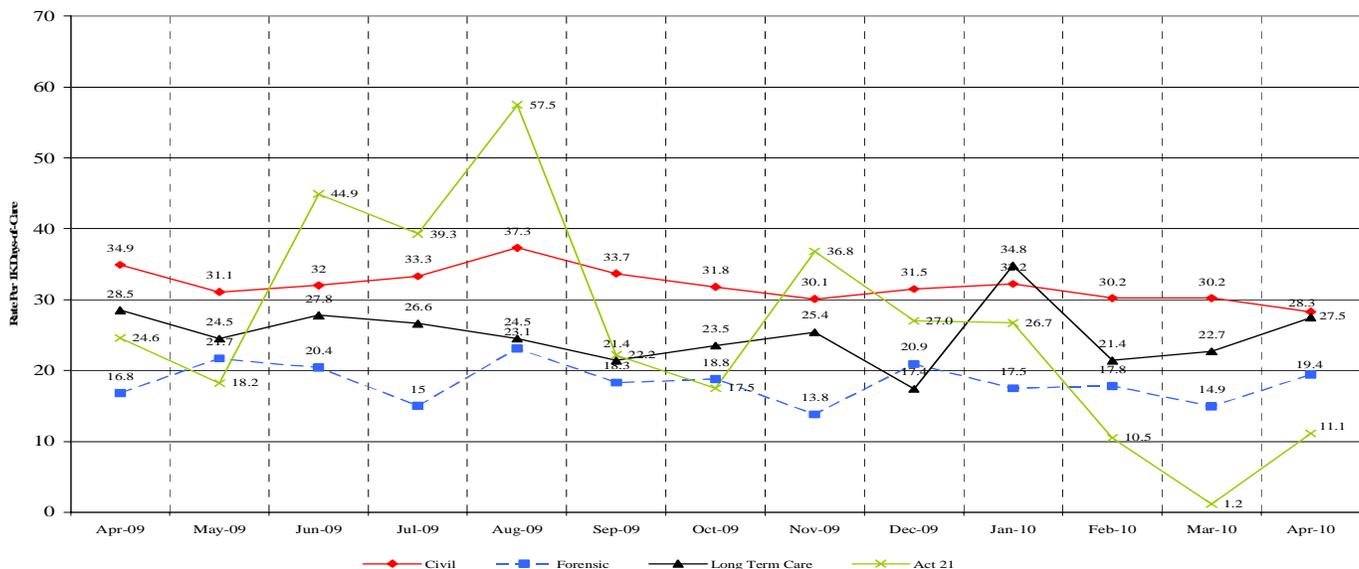
During **April** a total of 1373 incident reports were completed by the state hospital system, which is a decrease of events from the previous month. Additionally, 0 prior month records were added to the database. These records are included in all monthly comparisons (page 3) made in this summary report. The following is a breakdown of incidents by individual facility and type of care:

Table 1

April 2010

Civil	Census 4/30/10	Days Provided	Incidents	Per 1000 Days-of-Care
Allentown	139	4621	157	34.0
Clarks Summit	220	6620	86	13.0
Danville	168	5050	140	27.7
Norristown	223	6767	211	31.2
Torrance	206	5913	200	33.8
Warren	164	4842	114	23.5
Wernersville	224	6466	232	35.9
Total Civil	1344	40279	1140	28.3
Forensic				
Norristown	132	3912	72	19.7
Torrance	56	1605	26	16.2
Warren	25	761	19	25.0
Total Forensic	213	6278	117	19.4
Act 21				
Act 21	27	810	9	11.1
Total Act 21	27	810	9	11.1
Long Term Care				
South Mountain	135	4030	111	27.5
Total L. T. C.	135	4030	111	27.5
Total	1692	51397	1373	27.1

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	11/09	12/09	1/10	2/10	3/10	4/10
Total number of reported airway obstructions or choking incidents at all facilities (Type 1 & 2):	5	10	7	10	8	11
Total number of AWOL's & UA's all facilities:	30	27	30	33	31	44
Total number of falls (Type 1 & 2) at all facilities:	203	176	180	193	186	196
Total number of reported falls involving consumers age 65 or older:	47	35	57	50	44	56
Total number of reported falls involving consumers age 75 or older:	13	6	20	11	13	26
Total number of reported fire setting events:	1	0	1	0	0	0
Total number of reported incidents involving a bone fracture:	1	7	3	6	2	6
Total number of reported deaths for this report period:	7	2	8	9	3	6
Total number of reported incidents involving a burn or scald:	3	3	5	6	1	6
Total number of reported incidents involving a cut or laceration requiring sutures, steri-strips or glue:	22	12	20	18	9	8
Total number of reported incidents of patient-to-patient assault (see note below):	303	353	373	232	335	285
Total number of reported incidents of patient-to-staff assaults:	80	91	96	100	115	81
Total number of reported incidents involving alleged abuse:	11	16	+7	20	18	15
Total percentage for the month of reported incidents involving no physical injury to the Patient:	66%	69%	66%	67%	70%	67%
Total incidents of physical restraint used for the month:	73	102	101	92	78	85
Total hours of physical restraint used for the month:	6.926	9.657	12.221	13.617	6.223	8.518
Incidents of mechanical restraint use for the month:	10	11	6	8	4	3
Total hours of mechanical restraint used for the month:	8.18	7.80	5.50	8.78	2.88	2.00
Total reported incidents involving the use of seclusion:	0	0	2	1	1	0
Total hours of seclusion used for the month:	0	0	2.50	.60	.05	0
Total number of reported incidents coded as alleged sexual assault:	1	1	6	6	10	0
Total number of reported incidents of attempted suicide:	3	7	3	3	3	2
Total number of reported incidents involving the threat or plan of suicide:	10	8	3	4	14	9
Total number of reported incidents of illicit drug use/possession:	0	1	2	2	1	6
Total number of medication errors:	43	43	49	45	37	61
Total number of STAT medications administered for psychiatric indications:	988	1108	1087	998	1154	866

***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**
April 2010

Primary Cat #	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Accident-Injury	3	2	8	7	6	3	6	35
Adverse Drug Reaction		1		1		1		3
Aggression	7	7	1	29	14	10	45	113
Airway Obstruction type 1 Intervention	3				1	1	1	6
Airway Obstruction type 2 No Intervention			2			2		4
Alcohol Use/Possession/Suspected or Confirmed			2					2
Alleged Pt. Abuse	5			3	4	2		14
Assault, Pt./Pt	27	25	16	62	42	17	49	238
Assault, Pt./Staff	9	10	11	6	5	2	20	63
Assault: Patient/Other					2			2
AWOL/UA	6	1	1	4	1	3	3	19
AWOL-Attempt	1		2		3			6
AWOL-Late	1		6		4	4	1	16
Change in Medical Status-Stabilized		1		7	1			9
Change in Medical Status-Transferred	4	3	2	12	12	7	2	42
Charged with alleged crime on hospital grounds	1		1			1		3
Communications Sys. Misuse			1					1
Community Incident	2	1	2	1				6
Contraband Possession	3	1	6	6	2	6	2	26
Fall Type 1-Injury with treatment	8	11	10	13	10	4	8	64
Fall Type 2-No treatment needed	11	6	15	2	19	10	28	91
Family Concern					2		1	3
Illicit Substance Use/Possession	5		1					6
Indeterminate/Unconfirmed Cause of Injury	5	4		4	6		9	28
Medication Error	14	4	5	8	1	5	4	41
Missing Property	5	3			6	1	2	17
Other	8	4	8	12	25	10	17	84
Procedural Treatment Error	4			2			1	7
Property Damage	1		1	1	1	2	2	8
Seizure						1	5	6
Self-Injurious behavior	8	2	35	9	24	15	17	110
Sexual Behavior	3			3	1			7
Smoking Violation	4			11	4	2	5	26
Substantiated Patient Abuse			1				1	2
Suicide Attempt	2							2
Suicide threat/plan	1		2	3	2	1		9
Theft	5			5	2	2	1	15
Unknown						2		2
Unsubstantiated Nonconsensual Sexual Activity							2	2
Unsubstantiated Patient Abuse	1		1					2
Totals	157	86	140	211	200	114	232	1140

Table 3

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

Primary effect	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Not reported			1	3				4
Abrasion/scrape/scratch/hematoma	6	10	17	13	19	6	21	92
Asphyxiation					1			1
Bite-Human		1		2				3
Bite-Insect		1		1	1			3
Blister			1		1			2
Body System Illness				1		2	1	4
Bruise/contusion/discoloration	6	9	6	6	6	7	9	49
Burn/Scald			3	1		1	1	6
Cellulitis	1	1						2
Concussion						1		1
Death	1			1			1	3
Edema/swelling		2	1	4	5	2		14
Emesis	1							1
Epistaxis	1	1			2		1	5
Erythema/redness	4			2	4	2	4	16
Fever				1				1
Fracture	2		1		1		2	6
Ingestion of foreign body			1	4	2		1	8
Internal injury							1	1
Laceration: NO sutures/staples/steri-strips	3	1	3	4	3	4	6	24
Laceration: with steristrips/glue	1		1		1	1		4
Laceration: with sutures/staples			2		2			4
Lethargy	1	2		2	4	1		10
Muscle pull/strain/sprain		1						1
No Injury/NA	114	50	97	138	126	82	168	775
Other	1	1		14	8	3	8	35
Pain unspecified					1			1
Pain, Specified	14	6	3	12	7		5	47
Respiratory Distress	1				2			3
Seizure					1	1	3	5
Skin Irritation/Rash			1		3			4
Syncopal episode				1		1		2
Unconscious/Unresponsive				1				1
Visual changes			2					2
Totals	157	86	140	211	200	114	232	1140

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	2			1			1			1	5
Adverse Drug Reaction					1		1				2
Aggression	3	2	5	6	4		1	3	5	2	31
Alleged Pt. Abuse		1									1
Assault, Pt./Pt	3	2	2	4	7	10	4	2		2	36
Assault, Pt./Staff			1	1	7	1	1	1	1	1	14
Change in Medical Status-Stabilized	1	1									2
Change in Medical Status-Transferred	1		1		1			1			4
Communications Sys. Misuse										2	2
Fall Type 1-Injury with treatment							1				1
Fall Type 2-No treatment needed					1		1	1			3
Medication Error		1					1				2
Other	2				2		2		1		7
Procedural Treatment Error					1						1
Self-Injurious behavior					1		1	2			4
Sexual Behavior				1							1
Theft									1		1
Totals	12	7	9	13	25	11	14	10	8	8	117

Table 5

Effect of Incidents in the Forensic Service by Unit

EFFECT	51A1	51A2	51B1	51B2	51C1	51C2	FOR	FB4	FC1	FC2	Count
Not reported	1	1									2
Abrasion/scrape/scratch/hematoma			1		1	2	4	1		1	10
Body System Illness								1			1
Bruise/contusion/dyscoloration				1		1	1	1			4
Edema/swelling							1				1
Epistaxis							1				1
Erythema/redness							1	1			2
Fever			1								1
No Injury/NA	8	4	7	12	18	8	6	6	8	5	82
Other	2	1			6						9
Pain, Specified		1								1	2
Skin Irritation/Rash	1									1	2
Totals	12	7	9	13	25	11	14	10	8	8	117

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

Table 6 Cause of Incidents in the Long Term Care Facility

Cause	3A	3B	5A	6A	6B	Count
Accident-Injury	2	5	3	3	4	17
Aggression		1		1		2
Assault, Pt./Pt	2	4			1	7
Assault, Pt./Staff	1			2		3
Change in Medical Status-Stabilized		1			2	3
Change in Medical Status-Transferred	2	3	2		3	10
Fall Type 1-Injury with treatment	1	10	1	4	3	19
Fall Type 2-No treatment needed	1	1	2	2	2	8
Medication Error	5	2	2	6	2	17
Near Fall		1				1
Other	3	8	2	1	2	16
Procedural Treatment Error			1			1
Property Damage					1	1
Self-Injurious behavior	1	1	1	1		4
Smoking Violation			1			1
Theft				1		1
Totals	18	37	15	21	20	111

Table 7 Effect of Incidents in the Long Term Care Facility

EFFECT	3A	3B	5A	6A	6B	Count
Abrasion/scrape/scratch/hematoma	3	11	1	6	2	23
Blister		1	1		1	3
Body System Illness			1			1
Bruise/contusion/discoloration	3	6	2	1	2	14
Death	1			1	1	3
Edema/swelling					1	1
Erythema/redness		1				1
Fever					1	1
Laceration: NO sutures/staples/steri-strips		4			2	6
Lethargy		1			1	2
No Injury/NA	9	10	7	12	6	44
Other		2	2		1	5
Pain unspecified				1		1
Pain, Specified			1		1	2
Respiratory Distress	1				1	2
Unconscious/Unresponsive	1	1				2
Totals	18	37	15	21	20	111

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
Assault, Pt./Staff	1	1
Other	2	2
Self-Injurious behavior	6	6
Totals	9	9

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

Primary effect	TOR	Count
Cellulitis	1	1
No Injury/NA	5	5
Other	1	1
Pain, Specified	2	2
Totals	9	9

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
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%
Jan-10	Total Users	102	133	83	160	111	95	118	802	18	820
	% of Census	60%	60%	48%	67%	54%	61%	55%	58%	13%	54%
Apr-10	Total Users	n/a	138	79	150	113	104	120	704	15	719
	% of Census	n/a	63%	47%	67%	55%	63%	54%	52%	11%	43%

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	
April10 Patient Census	139	220	168	223	206	164	224	1344	132	56	25	213	27	135	1692
April10 Count	38	36	31	55	46	32	43	281	13	8	2	23	0	41	345
% w/ Diabetes	27%	16%	18%	25%	22%	20%	19%	21%	10%	14%	8%	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

April 2010

Cause	ALL	CLA	DAN	NOR	SMO	TOR	WAR	WER	Count
Accident-Injury	1							1	2
Airway Obstruction type 1 Intervention	2					1			3
Assault, Pt./Pt			1						1
Assault, Pt./Staff							1		1
Change in Medical Status-Stabilized				1		1			2
Change in Medical Status-Transferred	4	3	1	15	10	12	7	1	53
Fall Type 1-Injury with treatment	1			1				1	3
Indeterminate/Unconfirmed Cause of Injury	1							1	2
Other				1		2		1	4
Seizure							1	1	2
Self-Injurious behavior	1		3	1		2		2	9
Unsubstantiated Nonconsensual Sexual Activity								2	2
Totals	10	3	5	19	10	18	9	10	84

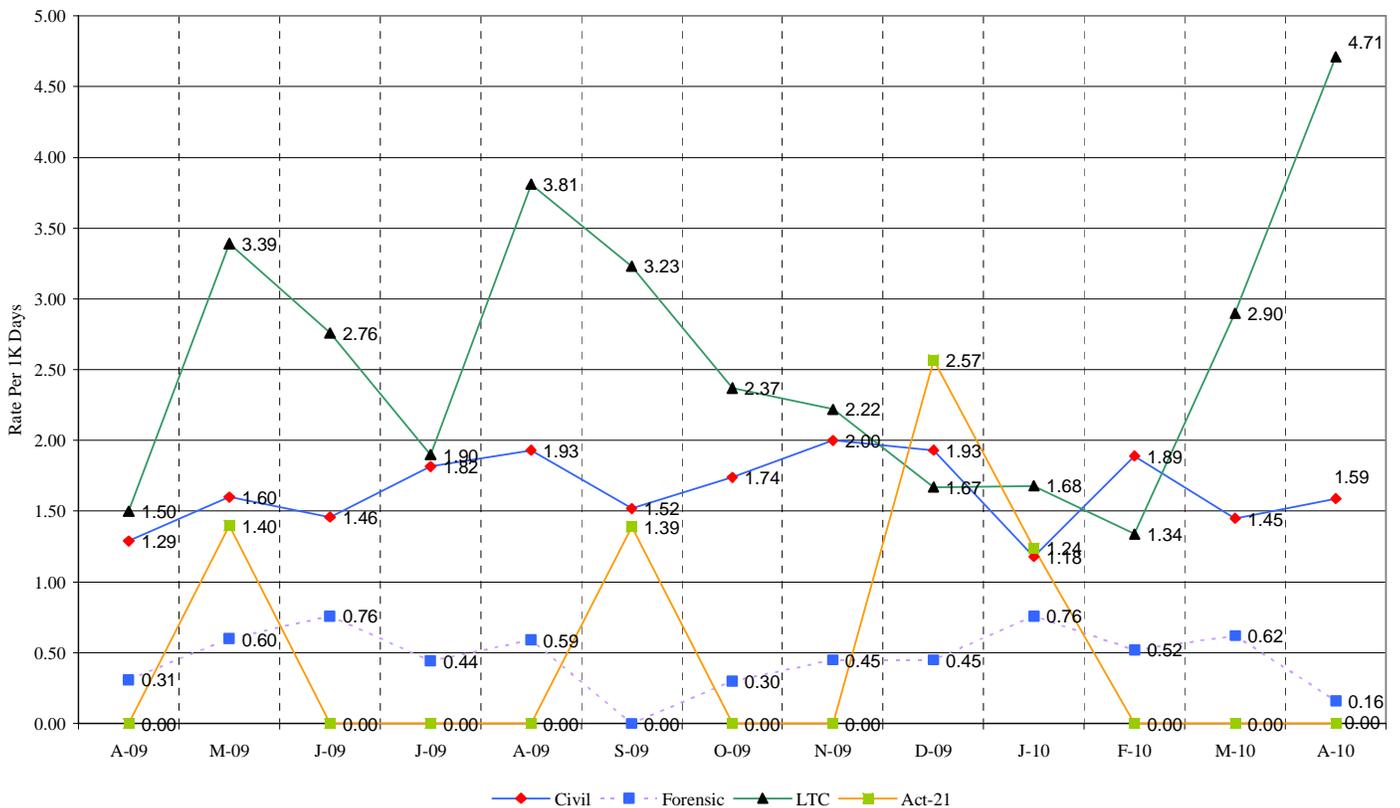
Falls

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

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

M/Year	Civil Hospital								Forensic Center				A21	LTC	Sys Avg
	All	Cla	Dan	Nor	Tor	War	Wer	Ttl	Nor	Tor	War	Total	A21	SMRC	
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
Mar-10	1.01	2.81	0.56	0.85	3.02	0.62	0.89	1.45	0.00	1.80	1.25	0.62	0.00	2.90	1.63
Apr-10	1.73	1.66	1.98	1.92	1.69	0.83	1.24	1.59	0.00	0.00	1.31	0.16	0.00	4.71	1.63

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	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	Total
NOR						0.50			0.50				1.00
TOR		4.50								0.60			5.10
WAR			0.67	1.00		0.25			2.00		0.05		3.97
Total	0.00	4.50	0.67	1.00	0.00	0.75	0.00	0.00	2.50	0.60	0.05	0.00	10.07

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

ABV	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	Total
NOR	0	0	0	0	0	1	0	0	1	0	0	0	2
TOR	0	3	0	0	0	0	0	0	0	1	0	0	4
WAR	0	0	2	1	0	1	0	0	1	0	1	0	6
Total	0	3	2	1	0	2	0	0	2	1	1	0	12

**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

April 2010

ABV	WARD	Total Hrs
WER	35-4	1.00
WER	35-3	1.00
Total		2.00

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

ABV	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	Total
CLA	0.00	0.42	0.00	0.00	0.00	0.00	0.50	0.73	0.00	0.00	0.00	0.00	1.65
NOR	1.75	0.50	0.50	2.08	1.50	2.75	6.25	3.98	5.50	8.53	1.47	0.00	34.82
WAR	0.00	0.00	0.33	0.00	0.00	1.12	0.50	0.00	0.00	0.00	0.00	0.00	1.95
WER	0.83	2.00	3.00	8.00	4.82	3.90	0.93	3.08	0.00	0.25	1.42	2.00	30.23
Total	2.58	2.92	3.83	10.08	6.32	7.77	8.18	7.80	5.50	8.78	2.88	2.00	68.65

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

ABV	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	Total
CLA	0	1	0	0	0	0	1	1	0	0	0	0	3
NOR	4	1	1	4	1	4	6	6	6	7	2	0	42
WAR	0	0	1	0	0	2	1	0	0	0	0	0	4
WER	1	1	2	2		5	2	4	0	1	2	3	29
Total	5	3	4	6	7	11	10	11	6	8	4	3	78

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

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

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

ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total
WAR	3SW	2.283	CLA	3	0.417	NOR	51A2	0.050	CLA	8	0.017
WER	35-4	1.171	TOR	023	0.300	TOR	FC1	0.050	CLA	7	0.017
TOR	014	0.767	WAR	FOR	0.133	NOR	51B2	0.042	WER	35-3	0.006
WER	34-4	0.765	NOR	51C2	0.100	DAN	312	0.042	CLA	6	0.004
NOR	51C1	0.506	DAN	310	0.096	NOR	10C1	0.042	Total		8.518
TOR	072	0.500	NOR	01A1	0.084	NOR	51B1	0.019			
WER	37-1	0.467	NOR	10A1	0.083	WER	34-3	0.017			
TOR	022	0.467	NOR	51A1	0.058	WAR	3NM	0.017			

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

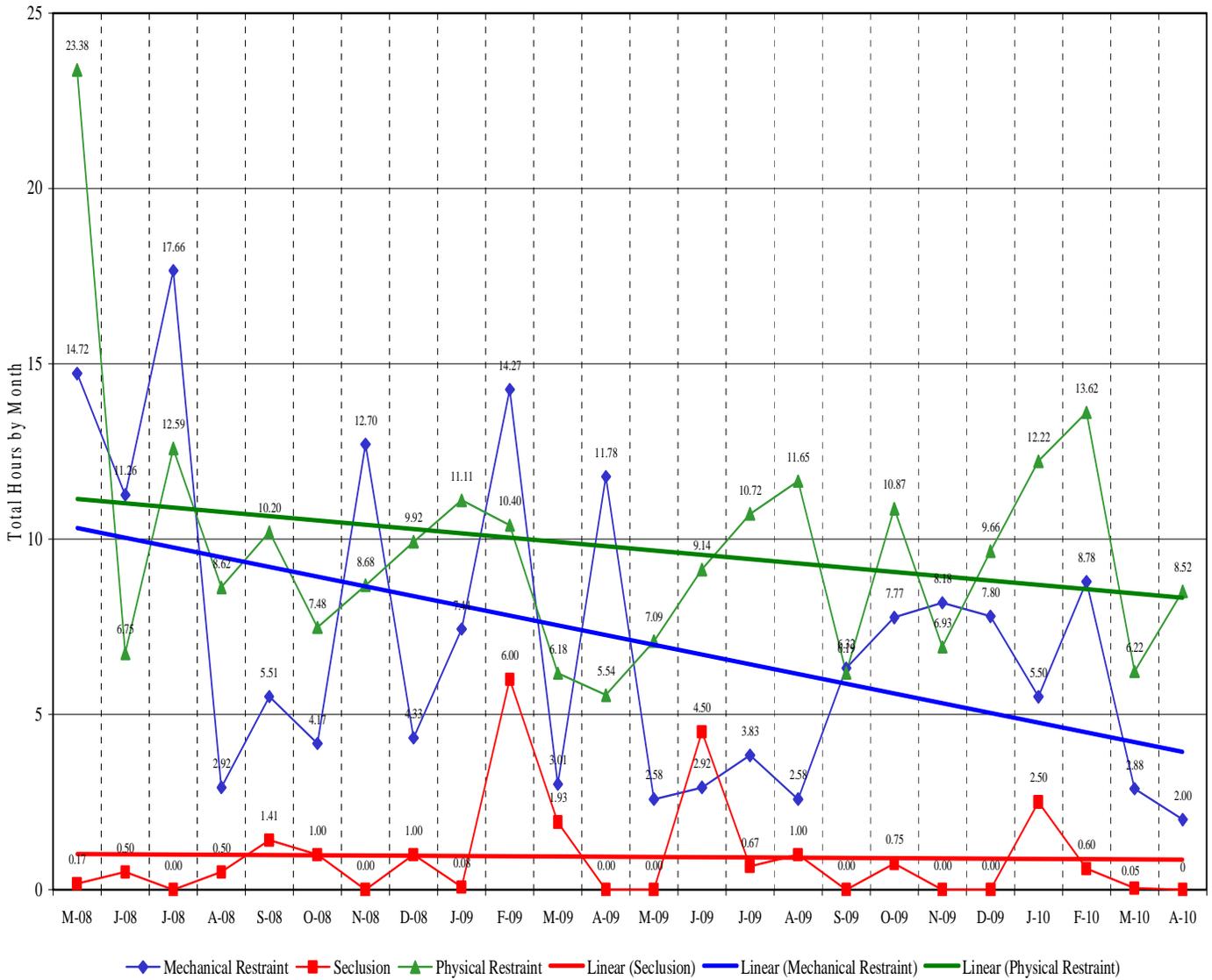
ABV	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	Total
ALL	0.050	0.417	0.287	0.033	0.550	1.056	0.308	0.117	0.719	0.769	0.092	0.000	4.398
CLA	0.489	0.624	0.933	0.555	0.088	0.708	0.304	0.911	0.839	0.924	0.669	0.454	7.498
DAN	0.614	0.240	0.964	0.926	0.800	2.845	0.150	0.342	1.858	1.260	0.551	0.138	10.688
NOR	1.738	1.331	1.556	1.154	0.758	1.136	2.631	5.156	5.004	4.989	0.830	0.984	27.265
TOR	2.235	4.078	4.033	5.577	2.731	3.479	2.267	2.150	3.501	4.536	2.933	2.083	39.604
WAR	0.433	2.533	2.550	2.217	0.250	0.967	0.683	0.133	0.100	0.300	0.405	2.433	13.005
WER	1.533	0.167	0.394	1.190	1.013	0.950	0.583	1.007	0.199	0.839	1.225	2.425	11.524
Total	7.092	9.389	10.717	11.653	6.189	11.141	6.926	9.815	12.221	13.617	6.706	8.518	113.984

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

ABV	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Jan_10	Feb_10	Mar_10	Apr_10	Total
ALL	1	8	8	2	12	9	4	3	6	4	2	0	59
CLA	11	11	9	16	2	13	6	13	10	16	10	10	127
DAN	11	8	13	18	16	33	8	4	9	7	6	5	138
NOR	36	22	31	25	19	23	27	43	33	32	14	30	335
TOR	19	34	25	39	21	20	11	16	32	15	22	13	267
WAR	4	11	20	13	4	8	8	3	3	4	7	7	92
WER	8	7	7	22	17	14	9	21	8	14	21	20	168
Total	90	101	113	135	91	120	73	103	101	92	82	85	1186

24-Month Trend of Mechanical Restraint, Physical Restraint and Seclusion Use

The following table represents the total hours of mechanical restraint use, physical restraint use and seclusion use for two years. This data includes the forensic and civil populations with the data being reported to the second and expressed below as a percentage of an hour.



Psychiatric Use of STAT Medications

Starting on March 1, 2004 the Civil and Forensic services of the hospital system began recording their daily use of psychiatric PRN and STAT medications administered each day. Following a 12-month review, the psychiatric use of PRN orders was discontinued at all hospitals on April 1, 2005. Medical uses of PRN and STAT med orders were not affected by this change. Effective July 1, 2007 any medication ordered by a physician to be given earlier than originally scheduled for psychiatric indications, is included in the STAT medication database. The following tables are taken from this database. Table 22 differentiates between STAT and early medications, while the other tables do not include early meds.

Table 22 Count of STAT Medications Administered for Psychiatric Indications

April-10	Civil								Forensic				SRTP	Sys. Total
Unscheduled Psych Meds	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Total	SRTP	Total
Number of Unique Patients	14	29	30	49	86	42	30	280	34	41	10	85	22	387
% of Census	10.1%	13.2%	17.9%	22.0%	41.7%	25.6%	13.4%	20.8%	25.8%	73.2%	40.0%	39.9%	81.5%	24.4%
Number of Early Med Events	10	0	1	0	1	26	3	41	0	5	10	15	0	56
Number of STAT meds	16	72	96	161	153	106	112	716	69	32	21	122	28	866
Rate per 1Kdays	5.63	10.88	19.20	23.79	26.04	27.26	17.79	18.79	17.64	23.05	40.74	19.43	34.57	19.47

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	4	1	7	1	0	8	21	0	0	0	0	
Haloperidol/Lorazepam	0	9	0	5	1	0	2	17	1	0	0	1	
Olanzapine/Lorazepam	0	12	0	0	0	0	1	13	0	0	0	0	
Quetiapine/Lorazepam	0	0	0	0	0	0	0	0	0	0	0	0	
Use of 3 medications	0	0	1	0	0	0	0	1	0	0	0	0	
Other Neuroleptic combos	1	0	0	6	4	1	3	15	0	0	0	0	
Total	1	25	2	18	6	1	14	67	1	0	0	1	

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

ABV	UNIT	Count	ABV	UNIT	Count	ABV	UNIT	Count	ABV	UNIT	Count
TOR	014	82	NOR	01C1	20	WAR	2SW	11	TOR	013	4
WAR	3SW	52	WAR	3IM	20	ALL	M6	11	CLA	5	3
NOR	10A2	42	WAR	3NM	20	DAN	311	9	CLA	8	3
DAN	312	36	NOR	51C1	19	TOR	FB4	9	WER	37-2	2
TOR	023	36	TOR	FC2	18	NOR	10C1	8	WAR	IBE	2
NOR	09AF	30	CLA	2	16	NOR	51B1	8	CLA	1	2
WER	35-4	28	NOR	51C2	16	NOR	10A1	8	ALL	M5	2
TOR	071	28	DAN	212	14	NOR	51A1	7	TOR	011	1
NOR	01A1	28	NOR	51B2	12	NOR	51A2	7	ALL	3W	1
WER	34-4	27	TOR	022	12	CLA	7	6	NOR	09AR	1
CLA	3	27	TOR	021	12	TOR	024	6	ALL	M4	1
DAN	310	26	WER	34-3	12	WER	35-2	5	ALL	M3	1
NOR	09CF	24	WER	37-1	12	TOR	FC1	5	WAR	2NM	1
WER	35-3	22	DAN	211	11	WER	34-2	4	Total		866
WAR	FOR	21	CLA	6	11	CLA	4	4			

Table 25

Route of STAT Medications for Psychiatric Reasons for April

Civil									Forensic				S RTP
Route	ALL	CLA	DAN	NOR	TOR	WAR	WER	Cnt	NOR	TOR	WAR	Cnt	S RTP
IM	4	28	32	70	102	33	54	323	35	15	12	62	3
Oral	11	44	64	91	51	73	58	392	34	17	9	60	25
Other	1							1					
Totals	16	72	96	161	153	106	112	716	69	32	21	122	28

Table 26

Psychiatric Use of STAT Medications by Shift for April

Civil					Forensic			
ABV	1	2	3	Count	1	2	3	Count
ALL	6	6	4	16	31	35	3	69
CLA	38	26	8	72	9	16	7	32
DAN	41	35	20	96	8	11	2	21
NOR	88	58	15	161	48	62	12	122
TOR	58	82	13	153	S RTP			
WAR	41	58	12	111	5	23		28
WER	44	54	14	112				
Totals	316	319	86	716				

Table 27

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

Civil										Forensic					S RTP
Month	All	Cla	Dan	Nor	Tor	War	Wer	Total	Std Dev	Nor	Tor	War	Total	Std Dev	S RTP
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
Mar-10	6.87	14.64	21.20	27.79	42.42	32.27	24.54	24.56	12.04	17.33	16.79	40.05	20.00	11.09	57.71
Apr-10	5.63	10.88	19.20	23.79	25.71	27.26	17.79	18.62	8.12	17.64	24.29	40.74	22.14	10.08	19.36

Medication Measures

Beginning in September 2008 the OMHSAS Bureau of Community and Hospital Operations identified the following three medication measures for inclusion in this monthly report. The table information is compiled from the QS1 pharmacy software and reflects the unique count of the number of people served at each hospital on the last day of the month for each measure.

Table 28 **Benzodiazepines**

Measure Definition: *Benzodiazepines refers to the number of unique patients served at each hospital, by level-of-care, who have an active, straight order for any benzodiazepine medication on the last day of each month.*

BZD	Civil								Forensic				SRTP	Sys
M/Y	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
Jul-09	125	146	92	119	89	102	98	771	34	21	17	72	3	846
Oct-09	132	138	94	120	97	101	94	776	27	17	16	60	3	839
Jan-10	144	141	99	117	78	97	96	772	30	16	17	63	3	838
Apr-10	132	147	99	115	104	84	98	779	37	15	18	70	3	852

Table 29 **Multiple Atypicals**

Measure Definition: *Multiple Atypicals refers to the number of unique patients served at each hospital, by level-of-care, who have an active, straight order for two or more atypical antipsychotic medications on the last day of each month.*

Multiple Atypicals	Civil								Forensic				SRTP	Sys
M/Y	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
Jul-09	5	16	23	19	44	60	28	195	2	5	3	10	0	205
Oct-09	0	15	31	17	49	57	43	212	3	4	3	10	0	222
Jan-10	2	19	35	15	51	53	49	224	5	2	2	9	0	233
Apr-10		16	37	14	51	51	46	215	4	3	3	10	0	225

Table 30 **Typical-Atypical**

Measure Definition: *Typical-Atypicals refers to the number of unique patients served at each hospital, by level-of-care, who have an active, straight order for a typical and an atypical antipsychotic medication on the last day of each month.*

Typical - Atypical	Civil								Forensic				SRTP	Sys
M/Y	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor	Total
Jul-09	52	59	51	102	45	43	58	410	30	22	4	56	0	466
Oct-09	49	76	49	103	40	36	67	420	33	21	0	54	0	474
Jan-10		70	60	109	41	35	72	387	29	21	5	55	0	442
Apr-10		51	56	100	41	39	85	372	27	22	3	52	0	424

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
April 2010**

ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt
WER	35-4	19	ALL	M4	8	WAR	FOR	4	NOR	51A2	2
NOR	10A2	18	NOR	10C1	7	NOR	51B2	4	NOR	51B1	2
TOR	023	16	NOR	51C1	7	ALL	2W	3	WAR	2NM	2
TOR	024	14	NOR	09CF	6	NOR	51A1	3	TOR	FC2	2
WER	37-1	13	WER	34-2	6	TOR	022	3	SMO	3A	2
NOR	01A1	12	NOR	09AF	6	WAR	3SW	3	TOR	014	2
CLA	2	12	TOR	013	6	WER	34-4	3	WAR	3IM	1
WAR	3NM	11	CLA	3	5	DAN	312	2	SMO	6B	1
DAN	310	10	WER	35-2	5	DAN	211	2	TOR	012	1
NOR	51C2	10	ALL	M6	4	WER	34-3	2	WER	35-3	1
NOR	01C1	10	SMO	3B	4	DAN	210	2	NOR	10A1	1
CLA	7	8	WAR	IBE	4	NOR	09AR	2	Total		285
ALL	M5	8	ALL	3W	4	TOR	FB4	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				SRTP
	All	Cl	Dan	Nor	Tor	War	Wer	Avg.	Nor	Tor	War	Avg.	
May-09	1.87	1.17	1.21	3.98	2.90	1.03	1.80	2.10	2.70	2.13	2.87	2.56	n/a
Jun-09	0.97	1.23	1.26	2.93	1.77	0.21	0.93	1.41	2.79	2.59	5.87	3.05	4.35
Jul-09	1.57	1.18	1.57	4.40	2.52	0.59	0.90	1.91	1.70	2.60	0.00	1.77	0.00
Aug-09	3.03	2.23	1.20	3.90	2.08	3.08	1.50	2.47	3.91	3.14	1.34	3.41	0.00
Sep-09	1.57	0.77	0.61	2.06	2.12	1.99	1.69	1.57	2.53	0.00	2.57	1.81	0.00
Oct-09	2.09	0.89	1.34	2.40	2.80	1.54	1.18	1.77	3.90	0.00	2.54	2.66	2.69
Nov-09	1.78	1.22	2.72	2.08	1.14	1.61	1.38	1.68	1.52	0.53	0.00	1.06	1.36
Dec-09	1.12	0.89	1.66	3.22	1.91	1.58	0.90	1.65	3.46	0.56	1.24	2.41	0.00
Jan-10	3.00	1.18	2.18	3.22	0.48	0.61	1.19	1.72	1.25	0.00	1.24	0.91	1.24
Feb-10	1.50	0.82	0.62	1.58	1.77	1.60	0.99	1.26	2.85	0.67	0.00	1.92	0.00
Mar-10	2.42	1.18	0.74	2.40	3.50	0.41	1.34	1.76	2.67	0.60	0.00	1.86	0.00
Apr-10	2.38	1.36	0.59	2.07	2.03	0.83	1.08	1.49	2.04	1.25	3.94	2.07	0.00

Table 33

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

ABV	WARD	Cnt									
WER	35-4	8	WER	34-3	2	CLA	6	1	TOR	024	1
NOR	51C1	7	WAR	3SW	2	CLA	2	1	TOR	072	1
CLA	3	7	WER	35-2	2	CLA	7	1	TOR	FB4	1
ALL	M6	5	TOR	022	2	NOR	10A1	1	TOR	FC1	1
WER	35-3	5	TOR	014	2	NOR	10C1	1	TOR	FC2	1
NOR	01A1	4	SMO	6A	2	NOR	51B1	1	WAR	FOR	1
ALL	M5	3	DAN	312	2	ALL	M3	1	NOR	51B2	1
DAN	211	3	DAN	311	1	NOR	51C2	1			
DAN	310	3	DAN	212	1	WER	37-2	1			
WER	34-4	2	DAN	210	1	SMO	3A	1			

Table 34

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

Pt/Staff Assault w/ Staff Inj per 1K days	Civil								Forensic				S RTP
	All	Cla	Dan	Nor	Tor	War	Wer	Avg	Nor	Tor	War	Avg	S RTP
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
Mar-10	0.81	0.44	0.56	0.28	0.48	0.41	2.23	0.76	0.50	0.00	0.00	0.31	0.00
Apr-10	1.73	0.76	0.40	0.30	0.68	0.00	0.62	0.62	0.51	0.62	0.00	0.48	1.23