



Chapel—Danville.

Danville State Hospital
Circa 1900

*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 July 2009*

*Report prepared by: Brandi M. Kennedy
Betsy Zimmerman
William Steinmetz
Gregory M. Smith*

E-mail: grsmith@state.pa.us

PA DPW, Bureau of Community & Hospital Operations

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State Hospital Risk Management Summary Report July 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.

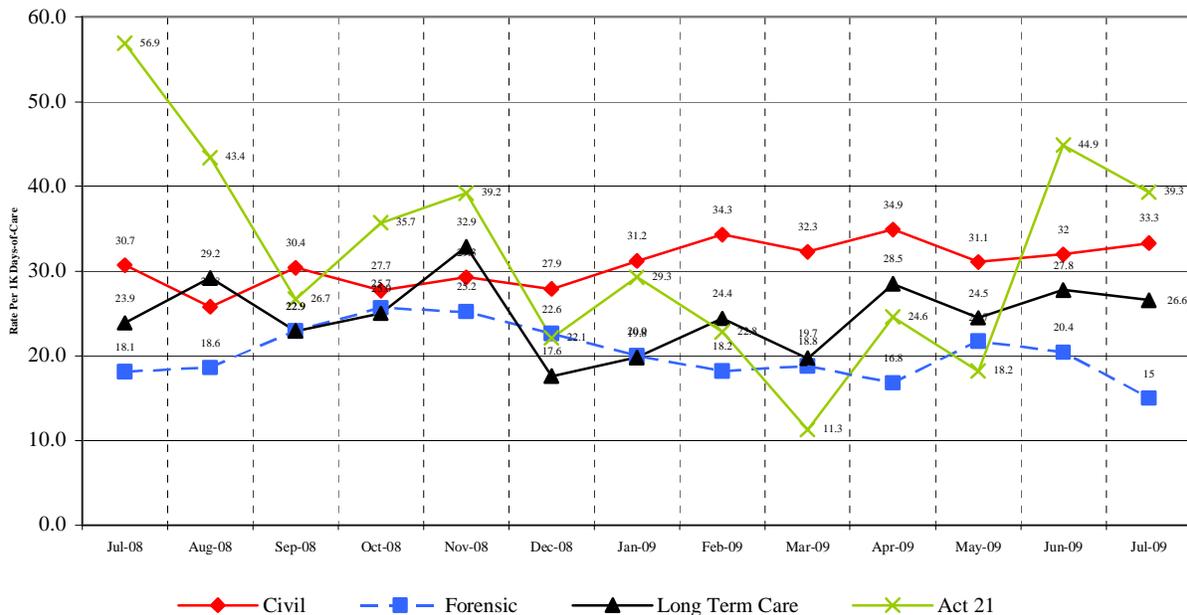
The data dictionary for the measurement system was updated on October 1, 2008, and is available for review.

During **July** a total of 1672 incident reports were completed by the state hospital system, which is a increase of 83 events from the previous month. Additionally, 13 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

July 2009				
Civil	7/31/2009	Days Provided	Incidents	Per 1000 Days-of-Care
Allentown	167	5721	191	33.4
Clarks Summit	217	6786	122	18.0
Danville	160	5069	146	28.8
Norristown	240	7265	307	42.3
Torrance	213	6337	291	45.9
Warren	166	5073	128	25.2
Wernersville	218	6697	245	36.6
Total Civil	1381	42948	1430	33.3
Forensic				
Norristown	130	4114	58	14.1
Torrance	64	1920	32	16.7
Warren	24	758	12	15.8
Total Forensic	218	6792	102	15.0
Act 21				
Act 21	23	713	28	39.3
Total Act 21	23	713	28	39.3
Long Term Care				
South Mountain	136	4210	112	26.6
Total L. T. C.	136	4210	112	26.6
Total	1758	54663	1672	30.6

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	2/09	3/09	4/09	5/09	6/09	7/09
Total number of reported airway obstructions or choking incidents at all facilities (Type 1 & 2):	3	5	5	6	12	9
Total number of AWOL's & UA's all facilities:	44	46	39	53	59	57
Total number of falls (Type 1 & 2) at all facilities:	148	166	154	173	149	189
Total number of reported falls involving consumers age 65 or older:	50	45	39	38	29	45
Total number of reported falls involving consumers age 75 or older:	19	17	13	12	11	18
Total number of reported fire setting events:	0	1	1	0	0	0
Total number of reported incidents involving a bone fracture:	2	4	7	6	9	3
Total number of reported deaths for this report period:	6	4	4	3	5	0
Total number of reported incidents involving a burn or scald:	6	6	5	3	5	5
Total number of reported incidents involving a cut or laceration requiring sutures, steri-strips or glue:	17	11	19	15	14	16
Total number of reported incidents of patient-to-patient assault (see note below):	375	350	418	369	386	415
Total number of reported incidents of patient-to-staff assaults:	133	93	118	106	102	111
Total number of reported incidents involving alleged abuse:	14	7	14	14	9	15
Total percentage for the month of reported incidents involving no physical injury to the Patient:	69%	70%	70%	66%	68%	68%
Total incidents of physical restraint used for the month:	110	86	70	90	100	113
Total hours of physical restraint used for the month:	10.397	6.178	5.544	7.092	9.139	10.717
Incidents of mechanical restraint use for the month:	16	5	4	5	3	4
Total hours of mechanical restraint used for the month:	14.27	3.01	11.78	2.58	2.92	3.83
Total reported incidents involving the use of seclusion:	4	2	0	0	3	2
Total hours of seclusion used for the month:	6.00	1.93	0	0	4.50	0.67
Total number of reported incidents coded as alleged sexual assault:	5	3	2	0	6	3
Total number of reported incidents of attempted suicide:	2	2	5	3	0	4
Total number of reported incidents involving the threat or plan of suicide:	8	12	16	6	7	6
Total number of reported incidents of illicit drug use/possession:	2	1	3	1	1	0
Total number of medication errors:	46	60	47	45	53	37
Total number of STAT medications administered for psychiatric indications:	1124	938	896	998	958	1149

***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**
July 2009

Primary Cat #	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Accident-Injury	6	6	1	7	11	8	5	44
Adverse Drug Reaction	2	5		1	1			9
Aggression	13	5	11	40	21	16	40	146
Airway Obstruction type 1 Intervention				1				1
Airway Obstruction type 2 No Intervention			4			1	1	6
Alcohol Use/Possession/Suspected or Confirmed			1					1
Alleged Nonconsensual Sexual Activity				3				3
Alleged Pt. Abuse	1	3	2	3	2	1	1	13
Assault, Pt./Pt	32	24	34	110	66	17	88	371
Assault, Pt./Staff	14	14	14	14	11	5	17	89
AWOL/UA	4	1	1	5	2	1	9	23
AWOL-Attempt	4		2		4	1	2	13
AWOL-Late	2	1	10		5	2	1	21
Change in Medical Status-Stabilized				2	2			4
Change in Medical Status-Transferred	7	8	1	14	13	1	2	46
Charged post admit/crime committed prior to admit		2					1	3
Communications Sys. Misuse	1	4	2					7
Community Incident				3	3			6
Contraband Possession	6		6	4	3	3	4	26
Fall Type 1-Injury with treatment	13	15	5	9	16	11	9	78
Fall Type 2-No treatment needed	7	11	4	3	26	8	20	79
Family Concern	1				3		1	5
Indeterminate/Unconfirmed Cause of Injury	7	2	3	11	2	2	6	33
Medication Error	3	2	3	8	2	4	4	26
Missing Property	4		1	4	2		2	13
Other	31	13	6	14	23	5	14	106
Procedural Treatment Error	2			2	3			7
Property Damage	6	1	7	2	4		4	24
Seizure		1		2			2	5
Self-Injurious behavior	9	4	23	14	35	28	7	120
Sexual Behavior	4		1	8	2	7	1	23
Smoking Violation	10			14	23		3	50
Suicide Attempt	1		1			1		3
Suicide threat/plan					2	1		3
Theft	1		1	9	4	1	1	17
Unknown						3		3
Unsubstantiated Nonconsensual Sexual Activity						1		1
Unsubstantiated Patient Abuse			2					2
Totals	191	122	146	307	291	128	245	1430

Table 3

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

Primary effect	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Abrasion/scrape/scratch/hematoma	14	14	23	24	29	18	14	136
Allergic reaction					1			1
Asphyxiation						1		1
Bite-Human				2		1		3
Bite-Insect		2	1	2	2		1	8
Blister					1			1
Body System Illness				4	5		1	10
Bruise/contusion/discoloration	12	10	4	6	13	13	10	68
Burn/Scald		1		1		2		4
Cellulitis	1				4			5
Edema/swelling	1	3	3	8	4	2		21
Emesis		1				1	1	3
Epistaxis		1		4	2			7
Erythema/redness	1		4	3	4	2	1	15
Fever	2							2
Fracture	2	1						3
Ingestion of foreign body	2			9	3		4	18
Laceration: NO sutures/staples/steri-strips	6	3	4	5	6	1	1	26
Laceration: with steristrips/glue	1	1	1		2	1		6
Laceration: with sutures/staples	1	3			2	2	1	9
Lethargy		3		1				4
Muscle pull/strain/sprain			1	2	1	1		5
No Injury/NA	133	69	99	208	188	81	199	977
Other	4	6	4	19	7	1	5	46
Pain unspecified					1			1
Pain, Specified	7		1	7	14		7	36
Puncture/stab wound		1						1
Respiratory Distress	1				1	1		3
Seizure		1						1
Skin Irritation/Rash	2							2
Sunburn			1					1
Unconscious/Unresponsive	1	2		2				5
Visual changes					1			1
Totals	191	122	146	307	291	128	245	1430

**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	FB4	FC1	FC2	FOR	Count
Accident-Injury	1		1				1				3
Adverse Drug Reaction			1								1
Aggression	1	4	3	3	1	1		3	2	5	23
Alleged Pt. Abuse		1								1	2
Assault, Pt./Pt	2	4	6	2	2		4	5	6		31
Assault, Pt./Staff		3	2	1		1				3	10
Change in Medical Status-Stabilized							1				1
Change in Medical Status-Transferred	3		1			2		1	2		9
Fall Type 1-Injury with treatment	2					1					3
Fall Type 2-No treatment needed					1					1	2
Indeterminate/Unconfirmed Cause of Injury							1				1
Medication Error										1	1
Other	1						1				2
Self-Injurious behavior	1		1		1	1	1			1	6
Sexual Behavior	1										1
Suicide Attempt			1								1
Suicide threat/plan	1						2				3
Unsubstantiated Nonconsensual Sexual Activity									2		2
Totals	13	12	16	6	5	6	11	9	12	12	102

Table 5

Effect of Incidents in the Forensic Service by Unit

EFFECT	51A1	51A2	51B1	51C1	51C2	51B2	FB4	FC1	FC2	FOR	Count
Abrasion/scrape/scratch/hematoma		1	1	1	1		1	2	2		9
Body System Illness	4						1	1	1		7
Bruise/contusion/discoloration	1		2			1	1				5
Erythema/redness	1				1		1	1			4
Fever			1								1
Laceration: NO sutures/staples/steri-strips		1	2								3
Lethargy					1						1
No Injury/NA	4	9	9	4	2	5	7	5	8	12	65
Other	1		1								2
Pain, Specified	1	1							1		3
Skin Irritation/Rash	1										1
Syncopal episode					1						1
Totals	13	12	16	5	6	6	11	9	12	12	102

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

Table 6

Cause of Incidents in the Long Term Care Facility

Cause	3A	3B	5A	6A	6B	Count
Accident-Injury	1	2	3	5	5	16
Aggression	8		1	1	3	13
Airway Obstruction type 1 Intervention		1				1
Airway Obstruction type 2 No Intervention				1		1
Assault, Pt./Pt	4	5		2		11
Assault, Pt./Staff	1	4	2	1		8
Change in Medical Status-Stabilized					1	1
Change in Medical Status-Transferred	3	4	2	1	1	11
Contraband Possession			1			1
Fall Type 1-Injury with treatment	1	4	2	1		8
Fall Type 2-No treatment needed	4	4	5	2	3	18
Medication Error		2	2	3	3	10
Other	3	1	1		2	7
Procedural Treatment Error			1			1
Property Damage	1	2	1			4
Self-Injurious behavior				1		1
Totals	26	29	21	18	18	112

Table 7

Effect of Incidents in the Long Term Care Facility

EFFECT	3A	3B	5A	6A	6B	Count
Abrasion/scrape/scratch/hematoma	1	4	3	6	2	16
Blister					1	1
Body System Illness		2				2
Bruise/contusion/discoloration		3	2	1	3	9
Burn/Scald	1					1
Cellulitis				1	1	2
Edema/swelling		1		1		2
Erythema/redness		1				1
Laceration: with sutures/staples	1					1
Lethargy	1	1				2
No Injury/NA	21	16	13	9	10	69
Other			1			1
Pain, Specified			1			1
Respiratory Distress	1				1	2
Seizure			1			1
Unconscious/Unresponsive		1				1
Totals	26	29	21	18	18	112

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

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

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

Cause	TOR	Count
Accident-Injury	3	3
Adverse Drug Reaction	1	1
Aggression	10	10
Assault, Pt./Pt	2	2
Assault, Pt./Staff	4	4
Fall Type 2-No treatment needed	1	1
Other	3	3
Self-Injurious behavior	3	3
Sexual Behavior	1	1
Totals	28	28

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

Primary effect	TOR	Count
Abrasion/scrape/scratch/hematoma	1	1
Bite-Insect	1	1
No Injury/NA	21	21
Other	1	1
Pain, Specified	4	4
Totals	28	28

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

Note: Smoking is not permitted in the Forensic Centers.

Date	Tobacco Use	ALL	CLA	DAN	NOR	TOR	WAR	WER	Civil Total	LTC	System Total
Oct-08	Total Users	110	140	81	181	120	105	121	858	11	869
	% of Census	63%	60%	51%	72%	57%	61%	58%	61%	8%	56%
Jan-09	Total Users	107	130	84	178	121	92	121	833	10	843
	% of Census	61%	60%	54%	72%	56%	55%	58%	60%	7%	55%
Apr-09	Total Users	105	135	77	165	108	92	118	800	12	812
	% of Census	61%	61%	47%	67%	53%	61%	55%	58%	9%	54%
July-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%

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	
July09 Patient Census	167	217	160	240	213	166	218	1381	130	64	24	218	23	136	1758
July09 Count	47	35	32	53	48	31	42	288	11	8	3	22	0	42	352
% w/ Diabetes	28%	16%	20%	23%	23%	19%	19%	21%	8%	13%	13%	10%	0%	31%	20%

Hospitalizations as a Result of an Incident

The Risk Management System requires that an incident report form be completed anytime a person is transported from a state hospital to an acute care hospital. This includes if the person was only seen in the emergency room, received diagnostic tests and/or was actually admitted. It does **not** include hospitalizations for a preplanned procedure, test or surgery. Table 12 provides detail on the reasons for an acute care hospitalization during this report period.

Table 12

Reasons for Hospitalizations as the Result of an Incident, All Levels of Care July 2009

Cause	ALL	CLA	DAN	NOR	SMO	TOR	WAR	WER	Count
Accident-Injury						1	1		2
Aggression						1			1
Assault, Pt./Pt				1		1			2
Change in Medical Status-Transferred	7	8	1	18	11	15	1		61
Fall Type 1-Injury with treatment	3	1			1	2		1	8
Fall Type 2-No treatment needed								1	1
Indeterminate/Unconfirmed Cause of Injury				2					2
Medication Error					1				1
Other				4				1	5
Self-Injurious behavior				7				4	11
Suicide Attempt							1		1
Totals	10	9	1	32	14	19	3	7	95

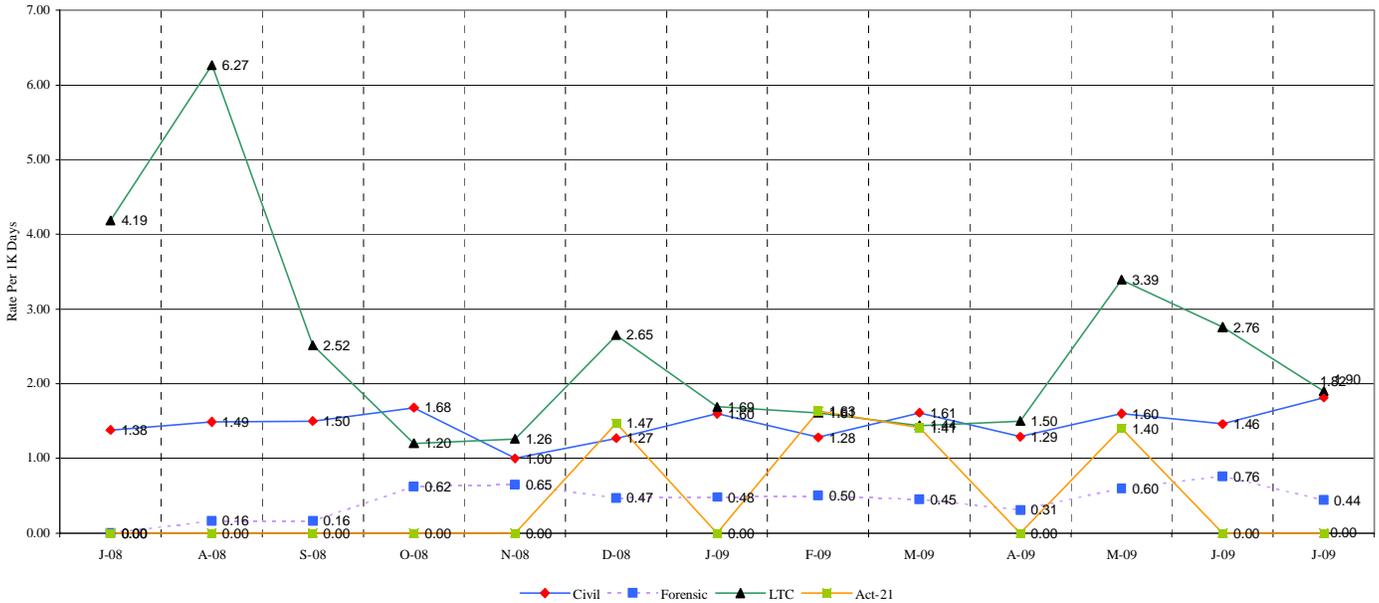
Falls

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

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

M/Year	Civil Hospital									Forensic Center					A21	LTC	Sys Avg
	All	Cla	Dan	May	Nor	Tor	War	Wer	Ttl	May	Nor	Tor	War	Total	A21	SMRC	
Jul-08	1.13	2.35	1.45	1.30	0.90	2.15	0.74	0.92	1.38	0.00	0.00	n/a	0.00	0.00	0.00	4.19	1.42
Aug-08	1.31	2.49	2.43	2.39	0.38	0.83	1.66	1.24	1.49	0.00	0.28	n/a	0.00	0.16	0.00	6.27	1.68
Sep-08	0.58	2.35	2.69	1.09	0.79	2.15	0.58	1.59	1.50	0.54	0.00	n/a	0.00	0.16	0.00	2.52	1.40
Oct-08	0.93	1.11	1.82	2.11	1.66	3.20	1.69	1.23	1.68	0.00	1.03	n/a	0.00	0.62	0.00	1.20	1.51
Nov-08	0.58	0.57	0.61	0.68	0.92	1.89	1.35	1.12	1.00	0.00	0.52	0.00	2.48	0.65	0.00	1.26	0.97
Dec-08	1.31	0.43	0.60	0.00	1.28	3.50	1.14	0.62	1.27	n/a	0.50	0.00	1.21	0.47	1.47	2.65	1.27
Jan-09	1.86	2.66	0.81	n/a	1.82	1.68	1.34	0.77	1.60	n/a	0.50	0.00	1.30	0.48	0.00	1.69	1.46
Feb-09	1.03	1.64	1.13	n/a	1.51	1.38	0.87	1.20	1.28	n/a	0.25	0.00	2.98	0.50	1.63	1.61	1.21
Mar-09	0.93	1.34	1.22	n/a	1.98	3.34	1.65	0.61	1.61	n/a	0.49	0.58	0.00	0.45	1.41	1.44	1.45
Apr-09	0.96	2.44	1.03	n/a	0.95	2.49	0.44	0.47	1.29	n/a	0.52	0.00	0.00	0.31	0.00	1.50	1.17
May-09	2.06	2.20	1.82	n/a	1.46	1.77	1.24	0.75	1.60	n/a	0.49	0.53	1.43	0.60	1.40	3.39	1.62
Jun-09	1.55	2.30	1.26	n/a	0.56	2.09	1.89	0.77	1.46	n/a	0.76	1.04	0.00	0.76	0.00	2.76	1.45
Jul-09	2.27	2.21	0.99	n/a	1.24	2.52	2.17	1.34	1.82	n/a	0.73	0.00	0.00	0.44	0.00	1.90	1.63

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	Aug_08	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Total
MAY	0.50	0.58	1.00										2.08
NOR						0.08							0.08
TOR											4.50		4.50
WAR		0.83			1.00		6.00	1.93				0.67	10.43
Total	0.50	1.42	1.00	0.00	1.00	0.08	6.00	1.93	0.00	0.00	4.50	0.67	17.10

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

ABV	Aug_08	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Total
MAY	1	2	1	0	0	0	0	0	0	0	0	0	4
NOR	0	0	0	0	0	1	0	0	0	0	0	0	1
TOR	0	0	0	0	0	0	0	0	0	0	3	0	3
WAR	0	2	0	0	1	0	4	2	0	0	0	2	11
Totals	1	4	1	0	1	1	4	2	0	0	3	2	19

**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
July 2009**

ABV	WARD	Total Hrs
WER	34-3	3.00
NOR	01C1	0.50
WAR	3SW	0.33
Total		3.83

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

ABV	Aug_08	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Total
CLA	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.90
NOR	1.50	1.00	0.00	0.00	0.00	1.50	1.00	0.17	1.00	1.75	0.50	0.50	8.92
WAR	0.00	0.00	0.00	0.00	0.00	1.02	1.47	0.67	0.00	0.00	0.00	0.33	3.48
WER	2.27	5.20	4.17	12.70	4.33	4.92	11.80	2.17	11.45	0.83	2.00	3.00	64.83
Total	3.77	6.68	4.17	12.70	4.33	7.43	14.27	3.00	12.45	2.58	2.92	3.83	78.13

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

ABV	Aug_08	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Total
CLA	0	1	0	0	0	0	0	0	0	0	1	0	2
NOR	1	1	0	0	0	1	2	1	1	4	1	1	13
WAR	0	0	0	0	0	4	5	2	0	0	0	1	12
WER	3	8	5	11	3	6	9	2	3	1	1	2	54
Total	4	10	5	11	3	11	16	5	4	5	3	4	81

**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**
July 2009

ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total
TOR	071	1.833	TOR	013	0.333	TOR	014	0.117	TOR	012	0.033
WAR	3SW	1.583	CLA	8	0.283	NOR	10A2	0.117	NOR	09AF	0.033
TOR	024	1.000	CLA	6	0.275	NOR	01A1	0.100	DAN	210	0.033
TOR	023	0.667	NOR	01C1	0.232	DAN	310	0.100	NOR	10A1	0.025
DAN	312	0.539	ALL	M4	0.217	NOR	51C1	0.067	WER	35-3	0.019
WAR	2SW	0.500	CLA	3	0.208	TOR	FB4	0.050	NOR	10C1	0.017
WAR	FOR	0.433	DAN	212	0.167	ALL	2W	0.041	ALL	M5	0.017
NOR	51A2	0.417	CLA	5	0.167	NOR	51C2	0.033	ALL	M6	0.013
NOR	51B1	0.367	NOR	09CF	0.140	WER	34-4	0.033	NOR	51B2	0.008
WER	34-3	0.333	DAN	211	0.125	WAR	3IM	0.033	WER	35-4	0.008
									Total		10.717

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

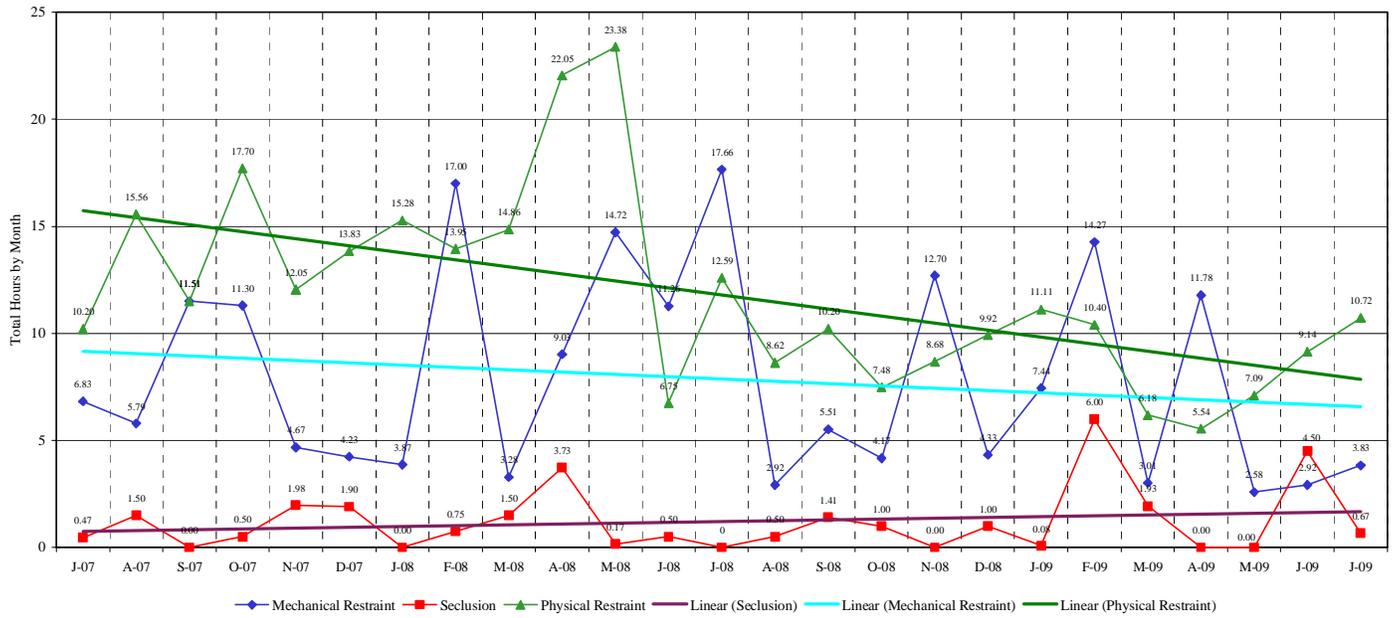
ABV	Aug_08	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Total
ALL	0.167	1.929	0.482	0.819	0.625	0.179	0.588	0.036	1.105	0.050	0.417	0.287	6.683
CLA	0.967	0.913	0.589	0.671	0.475	0.508	0.425	1.017	0.825	0.489	0.624	0.933	8.435
DAN	0.238	0.613	0.281	0.365	0.138	0.244	0.304	0.814	0.229	0.614	0.240	0.964	5.044
MAY	0.450	0.442	0.175	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.083
NOR	1.050	0.647	1.019	1.078	0.543	0.918	1.939	0.999	0.729	1.738	1.331	1.556	13.546
TOR	3.414	1.900	3.067	1.017	4.733	2.029	1.650	0.618	1.583	2.235	4.078	4.033	30.357
WAR	1.933	1.967	0.833	2.867	2.083	6.500	4.183	2.683	2.000	0.433	2.533	2.550	30.567
WER	0.904	1.874	1.350	2.017	1.325	0.733	1.308	0.328	0.239	1.533	0.167	0.394	12.172
Total	9.122	10.283	7.796	8.850	9.922	11.112	10.397	6.495	6.710	7.092	9.389	10.717	107.886

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

ABV	Aug_08	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Total
ALL	1	13	7	8	9	5	8	2	7	1	8	8	77
CLA	20	9	7	13	9	15	6	24	14	11	11	9	148
DAN	4	15	6	16	7	12	10	13	10	11	8	13	125
MAY	7	6	5	1	0	0	0	0	0	0	0	0	19
NOR	15	19	21	18	13	27	35	24	21	36	22	31	282
TOR	19	13	24	8	22	12	18	8	21	19	34	25	223
WAR	11	9	10	9	10	24	15	11	5	4	11	20	139
WER	9	25	15	15	20	10	18	8	6	8	7	7	148
Total	86	109	95	88	90	105	110	90	84	90	101	113	1161

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**

July-09	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	14	36	34	52	61	40	34	271	23	15	10	48	1	320
% of Census	8.4%	16.6%	21.3%	21.7%	28.6%	24.1%	15.6%	19.6%	17.7%	23.4%	41.7%	22.0%	4.3%	19.7%
Number of Early Med Events	6	0	4	0	3	62	4	79	0	3	3	6	0	85
Number of STAT meds	24	90	126	198	236	177	118	969	84	46	28	158	22	1149
Rate per 1Kdays	5.24	13.26	25.65	27.25	37.72	47.11	18.22	24.40	20.42	25.52	40.90	24.15	30.86	24.46

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	0	1	0	0	0	11	12	1	0	0	1	
Haloperidol/Lorazepam	1	7	1	20	1	1	2	33	5	2	0	7	
Olanzapine/Lorazepam	0	13	0	0	3	0	0	16	0	0	0	0	
Quetiapine/Lorazepam	0	0	0	0	0	0	1	1	0	0	0	0	
Use of 3 medications	0	0	0	0	0	0	1	1	0	0	0	0	
Other Neuroleptic combos	0	2	3	0	0	0	5	10	1	0	0	1	
Total	1	20	5	20	2	1	20	75	7	2	0	9	

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

ABV	UNIT	Count	ABV	UNIT	Count	ABV	UNIT	Count	ABV	UNIT	Count
WAR	3SW	77	TOR	FC2	26	WAR	3NM	13	ALL	M5	5
TOR	022	71	NOR	01A1	25	TOR	FC1	12	CLA	7	5
NOR	09AF	53	WAR	IBH	24	CLA	4	12	ALL	M3	4
CLA	6	47	DAN	212	24	NOR	10C1	12	DAN	210	4
DAN	312	45	TOR	023	23	WAR	2SW	11	NOR	51C2	4
TOR	014	39	TOR	071	22	NOR	51A1	9	ALL	M6	4
NOR	10A2	37	DAN	310	21	TOR	011	9	WER	34-2	4
NOR	01C1	36	WER	35-2	19	CLA	2	8	TOR	043	2
NOR	51A2	34	WER	35-4	19	CLA	8	8	CLA	5	2
TOR	024	34	WAR	2NM	18	TOR	FB4	8	NOR	09AR	2
WAR	3IM	32	NOR	09CF	17	WER	37-1	8	WAR	IBG	2
NOR	51B1	31	DAN	211	17	CLA	3	7	CLA	1	1
WER	34-4	31	NOR	10A1	15	ALL	M4	6	NOR	01C2	1
WER	34-3	31	DAN	311	15	WER	35-3	6	NOR	51C1	1
TOR	012	29	TOR	021	15	ALL	2W	5	Total		1149
WAR	FOR	28	TOR	013	14	NOR	51B2	5			

Table 25

Route of STAT Medications for Psychiatric Reasons for July

Civil									Forensic				S RTP
Route	ALL	CLA	DAN	NOR	TOR	WAR	WER	Cnt	NOR	TOR	WAR	Cnt	S RTP
Not reported				1			1	2	1			1	
IM	18	21	44	121	168	89	23	484	49	30	14	93	20
Oral	6	69	82	76	68	88	94	483	34	16	14	64	2
Totals	24	90	126	198	236	177	118	969	84	46	28	158	22

Table 26

Psychiatric Use of STAT Medications by Shift for July

Civil						Forensic				
ABV	0	1	2	3	Count	ABV	1	2	3	Count
ALL		17	6	1	24	NOR	33	48	3	84
CLA		41	43	6	90	TOR	6	29	11	46
DAN		51	54	21	126	WAR	13	10	5	28
NOR	1	138	55	4	198	Totals	52	87	19	158
TOR		104	101	31	236	S RTP				
WAR		71	89	17	177	S RTP	10	12		22
WER	1	63	41	13	118					
Totals	2	485	389	93	969					

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
Jul-08	11.72	16.90	21.96	13.51	16.26	34.02	25.04	36.27	22.33	9.64	25.03	10.68	n/a	23.81	16.46	6.71	24.67
Aug-08	8.79	23.02	20.05	20.03	14.44	30.64	19.50	23.30	19.99	6.65	17.76	13.74	n/a	55.71	19.77	19.47	7.23
Sep-08	20.15	23.95	29.38	22.57	18.29	25.02	13.83	39.22	24.17	8.77	11.41	16.86	n/a	51.06	19.59	17.88	11.67
Oct-08	10.78	16.03	30.69	14.33	16.85	29.28	16.92	26.47	20.44	7.95	9.51	28.45	n/a	25.21	23.06	8.33	12.42
Nov-08	13.90	19.06	30.64	6.78	14.37	21.46	17.80	30.20	20.31	8.36	17.18	16.82	10.50	34.74	18.33	9.04	23.55
Dec-08	9.33	11.99	34.70	3.77	15.49	35.00	28.22	22.55	21.61	11.66	Closed	15.35	27.95	42.48	21.80	10.32	8.80
Jan-09	9.28	17.13	29.78	Closed	16.55	34.43	35.90	22.63	23.23	12.33	n/a	16.89	37.97	23.41	22.71	8.97	11.73
Feb-09	11.34	24.77	23.70	n/a	29.81	25.81	48.98	31.50	27.92	12.44	n/a	17.13	21.31	38.75	20.47	9.73	11.38
Mar-09	7.40	22.85	20.71	n/a	13.61	23.85	32.50	21.82	20.08	8.41	n/a	8.34	25.32	32.54	19.81	10.21	15.47
Apr-09	12.13	15.72	26.48	n/a	16.91	30.17	27.13	18.52	20.59	7.63	n/a	9.02	25.16	26.53	15.75	8.26	10.14
May-09	7.50	16.98	29.32	n/a	22.95	24.46	22.15	25.33	21.29	7.88	n/a	22.87	15.47	11.48	19.58	4.95	16.83
Jun-09	8.32	17.51	21.63	n/a	20.95	24.17	28.72	23.50	20.68	7.25	n/a	16.24	27.98	24.93	20.60	5.12	20.81
Jul-09	5.42	13.26	25.65	n/a	27.25	37.72	47.11	18.22	24.40	14.37	n/a	20.42	25.42	40.90	24.15	9.04	30.86

Medication Measures

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

Table 28 **Benzodiazepines**

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

BZD M/Y	Civil									Forensic					S RTP	Sys
	All	Cla	Dan	May	Nor	Tor	War	Wer	Total	May	Nor	Tor	War	Cnt	Tor	Total
Oct-08	110	132	69	40	99	90	115	105	760	14	26	0	19	59	0	819
Jan-09	122	129	84	N/A	111	90	100	92	728	N/A	26	23	17	66	3	797
Apr-09	122	135	94	N/A	119	95	92	90	747	N/A	29	33	16	78	3	828
Jul-09	125	146	92	N/A	119	89	102	98	771	N/A	34	21	17	72	3	846

Table 29 **Multiple Atypicals**

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

Multiple Atypicals M/Y	Civil									Forensic					S RTP	Sys
	All	Cla	Dan	May	Nor	Tor	War	Wer	Total	May	Nor	Tor	War	Cnt	Tor	Total
Oct-08	2	33	23	21	21	59	55	25	239	4	2	0	4	10	0	249
Jan-09	2	22	33	n/a	15	54	59	29	214	n/a	2	8	6	16	0	230
Apr-09	2	16	31	n/a	20	43	53	23	188	n/a	1	1	2	4	0	192
Jul-09	5	n/a	14	n/a	19	44	60	28	170	n/a	2	5	3	10	n/a	180

Table 30 **Typical-Atypical**

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

Typical - Atypical M/Y	Civil									Forensic					S RTP	Sys
	All	Cla	Dan	May	Nor	Tor	War	Wer	Total	May	Nor	Tor	War	Cnt	Tor	Total
Oct-08	56	66	57	30	96	60	33	71	469	12	27	0	3	42	0	511
Jan-09	55	46	44	n/a	105	54	30	67	401	n/a	25	17	2	44	0	445
Apr-09	46	51	51	n/a	111	40	27	61	387	n/a	35	24	2	61	0	448
Jul-09	52		51	n/a	102	45	43	58	351	n/a	30	22	4	56		407

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
July 2009**

ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt
WER	35-4	33	ALL	M5	10	TOR	FC1	5	CLA	8	2
NOR	10A2	32	TOR	023	9	TOR	011	5	NOR	51C1	2
TOR	022	26	WER	34-2	9	CLA	3	5	TOR	021	2
NOR	01C1	23	WER	34-3	9	CLA	6	5	TOR	014	2
WER	34-4	21	DAN	211	8	TOR	024	4	SMO	6A	2
NOR	09AF	19	DAN	212	8	TOR	FB4	4	ALL	2W	2
NOR	09CF	15	CLA	2	7	SMO	3A	4	NOR	51B2	2
TOR	013	14	NOR	51B1	6	TOR	012	4	NOR	10C1	2
ALL	M6	14	TOR	FC2	6	NOR	51A2	4	NOR	51A1	2
NOR	01A1	13	NOR	10A1	6	CLA	5	3	TOR	071	2
DAN	312	13	ALL	M4	6	WER	37-1	3	WAR	2NM	1
WER	35-2	12	DAN	310	5	WAR	IBG	2	WAR	2SW	1
WAR	3IM	12	SMO	3B	5	CLA	7	2	WAR	3NM	1
									WER	35-3	1
									Total		415

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

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

Pt.-to-Pt. Assault w/ any Injury	Civil										Forensic					S RTP
	All	Cl a	Dan	May	Nor	Tor	War	Wer	Avg.	May	Nor	Tor	War	Avg.	S RTP	
Jul-08	2.08	1.18	2.28	2.08	4.52	1.98	0.19	1.38	2.04	5.12	4.04	n/a	0.00	3.90	n/a	
Aug-08	1.12	2.20	0.81	1.20	2.26	0.66	0.55	0.93	1.30	0.57	3.17	n/a	4.46	2.54	n/a	
Sep-08	1.92	1.32	0.83	2.55	2.89	1.82	0.78	1.59	1.72	3.80	5.62	n/a	8.72	5.49	n/a	
Oct-08	1.86	0.83	1.01	0.84	5.62	2.56	1.13	1.08	2.09	0	5.64	n/a	2.4	3.74	n/a	
Nov-08	2.70	0.72	2.66	0.00	3.03	2.37	1.35	0.96	1.89	1.72	3.88	n/a	3.72	3.11	n/a	
Dec-08	1.49	1.16	2.59	0.00	3.07	2.43	0.38	1.26	1.79	n/a	2.97	1.36	2.43	2.53	n/a	
Jan-09	1.86	2.36	2.23	n/a	1.69	3.05	0.58	0.31	1.74	n/a	2.98	4.00	0.00	2.86	n/a	
Feb-09	1.65	1.48	2.48	n/a	4.37	1.89	0.87	1.88	2.17	n/a	1.49	2.94	1.49	1.82	n/a	
Mar-09	0.74	1.93	0.41	n/a	3.04	1.43	2.47	0.46	1.56	n/a	1.96	2.3	1.25	1.97	n/a	
Apr-09	2.12	1.07	0.83	n/a	3.65	1.82	1.31	1.71	1.88	n/a	1.80	3.67	2.65	2.45	n/a	
May-09	1.87	1.17	1.21	n/a	3.98	2.90	1.03	1.80	2.10	n/a	2.70	2.13	2.87	2.56	n/a	
Jun-09	0.97	1.23	1.26	n/a	2.93	1.77	0.21	0.93	1.41	n/a	2.79	2.59	5.87	3.05	4.35	
Jul-09	1.57	1.18	1.57	n/a	4.40	2.52	0.59	0.90	1.91	n/a	1.70	2.60	0.00	1.77	0	

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
DAN	312	6	TOR	024	4	NOR	01A1	2	SMO	3A	1
ALL	M6	6	NOR	51A2	3	WER	34-4	2	SMO	6A	1
DAN	211	5	NOR	09AF	3	ALL	M3	1	TOR	011	1
ALL	M4	5	WAR	FOR	3	CLA	5	1	TOR	013	1
CLA	8	5	WER	34-3	3	DAN	310	1	TOR	022	1
CLA	3	5	CLA	4	3	DAN	210	1	WAR	3IM	1
TOR	012	4	ALL	2W	2	DAN	311	1	WAR	3SW	1
WER	35-4	4	NOR	51B1	2	NOR	10A1	1	WAR	IBH	1
NOR	09CF	4	WAR	3NM	2	NOR	10A2	1	WER	35-2	1
WER	34-2	4	WER	35-3	2	NOR	10C1	1	NOR	51B2	1
SMO	3B	4	SMO	5A	2	NOR	51C2	1	Total		111
TOR	071	4	NOR	01C1	2	WER	37-1	1			

Table 34

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

Pt/Staff Assault w/ Staff Inj per 1K days	Civil									Forensic					S RTP
	All	Cl a	Dan	May	Nor	Tor	War	Wer	Avg	May	Nor	Tor	War	Avg	S RTP
Jul-08	1.13	0.59	0.21	0.78	0.65	0.83	0.37	2.31	0.88	0.00	1.15	n/a	0.00	0.68	n/a
Aug-08	1.12	0.29	0.00	1.20	0.63	0.83	0.18	0.62	0.58	0.57	0.00	n/a	0.00	0.17	n/a
Sep-08	2.11	0.59	0.41	1.09	0.92	0.83	0.97	0.64	0.92	0.00	1.34	n/a	2.49	1.10	n/a
Oct-08	0.74	0.41	0.20	0.42	0.13	0.64	0.56	1.08	0.52	0.00	1.03	n/a	0.00	0.62	n/a
Nov-08	1.16	0.43	0.82	0.00	0.13	0.47	0.77	1.28	0.66	0.00	0.78	0.00	0.00	0.49	n/a
Dec-08	1.12	0.87	0.40	0.00	0.38	0.76	0.57	0.79	0.68	n/a	0.25	0.00	1.21	0.32	n/a
Jan-09	1.11	0.59	0.00	n/a	0.39	0.76	0.00	0.62	0.51	n/a	0.99	0.00	0.00	0.64	n/a
Feb-09	1.03	0.33	1.35	n/a	0.45	0.69	0.65	0.86	0.73	n/a	0.50	2.20	0.00	0.83	n/a
Mar-09	0.00	0.59	0.61	n/a	0.53	0.16	0.62	0.76	0.47	n/a	0.25	1.15	0.00	0.45	n/a
Apr-09	1.93	0.61	0.41	n/a	0.41	0.33	0.22	1.09	0.71	n/a	0.00	0.52	0.00	0.15	n/a
May-09	0.37	0.44	0.81	n/a	0.53	0.16	0.41	1.50	0.61	n/a	0.49	0.00	0.00	0.30	n/a
Jun-09	0.19	0.15	0.84	n/a	0.84	0.16	0.21	0.77	0.46	n/a	0.51	0.52	0.00	0.46	1.45
Jul-09	0.52	0.88	0.99	n/a	0.55	0.79	0.00	1.64	0.79	n/a	0.00	0.00	1.32	0.15	1.4