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

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*State Hospital Risk Management Summary Report  
For August 2009*

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*PA DPW, Bureau of Community & Hospital Operations*

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## State Hospital Risk Management Summary Report August 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.

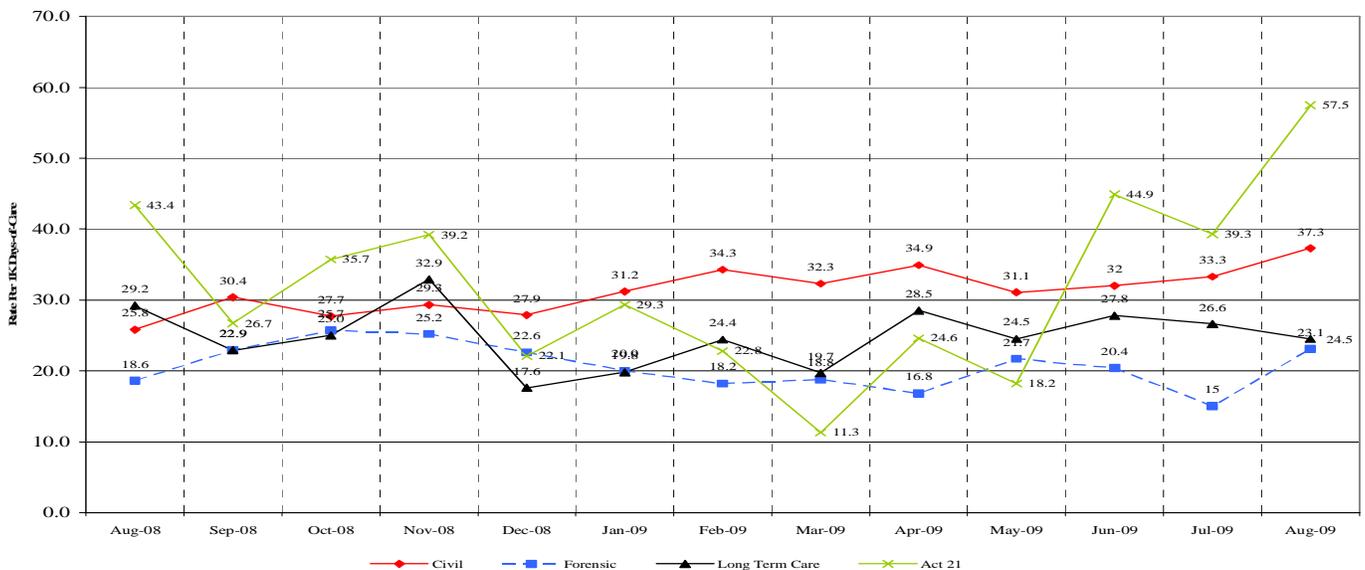
The data dictionary for the measurement system was updated on October 1, 2008, and is available for review.

During **August** a total of 1887 incident reports were completed by the state hospital system, which is an increase of 215 events from the previous month. Additionally, 30 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**

<b>August 2009</b>				
<b>Civil</b>	<b>8/31/2009</b>	<b>Days Provided</b>	<b>Incidents</b>	<b>Per 1000 Days-of-Care</b>
Allentown	171	5273	246	46.7
Clarks Summit	218	6735	143	21.2
Danville	161	5000	165	33.0
Norristown	242	7441	321	43.1
Torrance	214	6242	256	41.0
Warren	164	5199	197	37.9
Wernersville	215	6664	258	38.7
<b>Total Civil</b>	<b>1385</b>	<b>42554</b>	<b>1586</b>	<b>37.3</b>
<b>Forensic</b>				
Norristown	132	4090	96	23.5
Torrance	64	1912	45	23.5
Warren	24	744	15	20.2
<b>Total Forensic</b>	<b>220</b>	<b>6746</b>	<b>156</b>	<b>23.1</b>
<b>Act 21</b>				
Act 21	24	731	42	57.5
<b>Total Act 21</b>	<b>24</b>	<b>731</b>	<b>42</b>	<b>57.5</b>
<b>Long Term Care</b>				
South Mountain	134	4202	103	24.5
Total L. T. C.	134	4202	103	24.5
<b>Total</b>	<b>1763</b>	<b>54233</b>	<b>1887</b>	<b>34.8</b>

**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)

<b>Primary Cause or Effects of High Profile Events</b>	<b>3/09</b>	<b>4/09</b>	<b>5/09</b>	<b>6/09</b>	<b>7/09</b>	<b>8/09</b>
Total number of reported airway obstructions or choking incidents at all facilities (Type 1 & 2):	5	5	6	12	9	7
Total number of AWOL's & UA's all facilities:	46	-38	53	59	57	49
Total number of falls (Type 1 & 2) at all facilities:	166	154	-171	149	-188	207
Total number of reported falls involving consumers age 65 or older:	45	39	38	29	45	43
Total number of reported falls involving consumers age 75 or older:	17	13	12	11	18	19
Total number of reported fire setting events:	1	1	0	0	0	0
Total number of reported incidents involving a bone fracture:	4	7	6	9	3	8
Total number of reported deaths for this report period:	4	4	3	5	0	4
Total number of reported incidents involving a burn or scald:	6	5	3	5	5	9
Total number of reported incidents involving a cut or laceration requiring sutures, steri-strips or glue:	11	19	15	14	16	19
Total number of reported incidents of patient-to-patient assault (see note below):	350	418	369	386	415	473
Total number of reported incidents of patient-to-staff assaults:	93	118	106	102	111	125
Total number of reported incidents involving alleged abuse:	7	-10	-12	9	+19	20
Total percentage for the month of reported incidents involving no physical injury to the Patient:	70%	70%	66%	68%	68%	66%
Total incidents of physical restraint used for the month:	86	70	90	100	113	134
Total hours of physical restraint used for the month:	6.178	5.544	7.092	9.139	10.717	11.651
Incidents of mechanical restraint use for the month:	5	4	5	3	4	5
Total hours of mechanical restraint used for the month:	3.01	11.78	2.58	2.92	3.83	2.58
Total reported incidents involving the use of seclusion:	2	0	0	3	2	1
Total hours of seclusion used for the month:	1.93	0	0	4.50	0.67	1.00
Total number of reported incidents coded as alleged sexual assault:	3	2	0	6	3	8
Total number of reported incidents of attempted suicide:	2	5	3	0	4	2
Total number of reported incidents involving the threat or plan of suicide:	12	16	6	7	6	12
Total number of reported incidents of illicit drug use/possession:	1	3	1	1	0	0
Total number of medication errors:	60	47	45	53	+43	51
Total number of STAT medications administered for psychiatric indications:	938	896	998	958	1149	1205

**\*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**  
**August 2009**

Primary Cat #	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Accident-Injury	3	11	10	11	10	9	6	60
Adverse Drug Reaction		4	2		1	1	2	10
Aggression	7	10	14	58	19	16	53	177
Airway Obstruction type 1 Intervention	2			1	1	1		5
Alleged Nonconsensual Sexual Activity	2			3		1		6
Alleged Pt. Abuse	6	1		5	2	1	2	17
Assault, Pt./Pt	57	40	36	116	46	49	61	405
Assault, Pt./Staff	9	8	16	14	9	12	24	92
Assault: Patient/Other	2						1	3
AWOL/UA	6		2	3	4	1	7	23
AWOL-Attempt	3		1		3	2	1	10
AWOL-Late	3		4		3	4	1	15
Change in Medical Status-Stabilized	2	1		3	8			14
Change in Medical Status-Transferred	6	7	1	9	19	3	8	53
Charged post admit/crime committed prior to admit		1						1
Charged with alleged crime on hospital grounds			1			2	4	7
Communications Sys. Misuse	1	3	2		1		1	8
Community Incident				4	2			6
Contraband Possession	10	1	10	4	9	2		36
Fall Type 1-Injury with treatment	12	12	7	6	20	14	11	82
Fall Type 2-No treatment needed	15	8	9	2	15	24	19	92
Family Concern	2				4		1	7
Indeterminate/Unconfirmed Cause of Injury	7	9	2	11	4	4	6	43
Medication Error	10	1	3	15		3	8	40
Missing Property	3	2		2	4	1		12
Other	36	10	13	4	29	7	21	120
Procedural Treatment Error	8			5				13
Property Damage	4		5	2	2	1	2	16
Seizure				1	4	5		10
Self-Injurious behavior	10	11	22	10	19	26	13	111
Sexual Behavior	2	2		7	2	1	1	15
Smoking Violation	13			18	9	1		41
Substantiated Patient Abuse			2					2
Suicide Attempt						1	1	2
Suicide threat/plan	1	1		3	3	1	1	10
Theft	3			4	4	2	1	14
Unknown						2	2	4
Unsubstantiated Patient Abuse	1		3					4
Totals	246	143	165	321	256	197	258	1586

Table 3

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

Primary effect	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Not reported							1	1
Abrasion/scrape/scratch/hematoma	11	27	21	15	30	21	22	147
Allergic reaction		1		1		1		3
Asphyxiation						1		1
Bite-Human					1			1
Bite-Insect	1	2		1	2			6
Blister					2		1	3
Body System Illness				3	11	1	1	16
Bruise/contusion/discoloration	8	13	3	14	9	18	11	76
Burn/Scald	1	3	2	2	1			9
Cellulitis	1	1						2
Constipation					2			2
Damaged or lost tooth							1	1
Death				1				1
Dislocation							1	1
Edema/swelling	2	4	6	5	3	4	3	27
Emesis	4						1	5
Epistaxis	1		1	1	1	1		5
Erythema/redness	4	1	7	6	9	1	5	33
Fever		1	1					2
Fracture	1	1		1	3	1		7
Ingestion of foreign body				2	2	1	3	8
Knife or stab wound				1				1
Laceration: NO sutures/staples/steri-strips	4	5	3	2	4	1		19
Laceration: with steristrips/glue	2	2	2	1	1			8
Laceration: with sutures/staples		1	2	1	4	1	1	10
Lethargy		2				1	1	4
Muscle pull/strain/sprain						1		1
No Injury/NA	187	71	111	237	150	134	189	1079
Other	3	5	1	13	7	1	11	41
Pain, Specified	15	2	3	14	5	1	6	46
Puncture/stab wound	1				1	1		3
Respiratory Distress					2	3		5
Seizure					2	3		5
Skin Irritation/Rash			2		1			3
Sunburn					2			2
Unconscious/Unresponsive		1			1			2
Totals	246	143	165	321	256	197	258	1586

**Cause and Effect of Incidents in the Forensic Units  
Category or Cause of Incidents in the Forensic Service by Unit**

**Table 4**

Primary Cat #	51A1	51A2	51B1	51B2	51C1	51C2	FOR	FB4	FC1	FC2	Count
Accident-Injury			1	1				1	1		4
Aggression			2	6	3		2	2	2		17
Alleged Nonconsensual Sexual Activity			2								2
Alleged Pt. Abuse			1	2							3
Assault, Pt./Pt	6	3	18	8	3	1	3		12	7	61
Assault, Pt./Staff	1		2	8			7		2		20
AWOL-Late				1							1
Change in Medical Status-Stabilized		1		1							2
Change in Medical Status-Transferred	1		1		2	2				2	8
Communications Sys. Misuse								1		1	2
Contraband Possession								1	1		2
Fall Type 1-Injury with treatment	1	1		1			1				4
Fall Type 2-No treatment needed				1			1	1		2	5
Indeterminate/Unconfirmed Cause of Injury	1			1		1					3
Medication Error	1	1				1					3
Missing Property						1					1
Other	1			1		1		3		1	7
Property Damage					1				1		2
Self-Injurious behavior	1		1						1	1	4
Sexual Behavior			1				1				2
Smoking Violation										1	1
Suicide threat/plan					1			1			2
Totals	13	6	29	31	10	7	15	10	20	15	156

**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			2		1	1	1	1		1	7
Bite-Human	1		1								2
Blister			1								1
Body System Illness	1		1								2
Bruise/contusion/discoloration	1		2	1					1	1	6
Edema/swelling			3	1	1	1					6
Epistaxis									2		2
Erythema/redness				1	1				1		3
Fever					1						1
Ingestion of foreign body	1										1
Laceration: NO sutures/staples/steri-strips					1				1		2
Laceration: with steristrips/glue										1	1
Lethargy						1				1	2
No Injury/NA	9	5	19	23	5	2	13	9	14	9	108
Other				2			1			1	4
Pain, Specified		1		3		2			1	1	8
Totals	13	6	29	31	10	7	15	10	20	15	156

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

**Table 6 Cause of Incidents in the Long Term Care Facility**

Cause	3A	3B	5A	6A	6B	Count
Accident-Injury	1	3	5		8	17
Aggression	2				1	3
Airway Obstruction type 1 Intervention				1	1	2
Assault, Pt./Pt		6				6
Assault, Pt./Staff		1	1			2
Change in Medical Status-Stabilized		1				1
Change in Medical Status-Transferred	4	5	3	3		15
Fall Type 1-Injury with treatment	2	8	3		3	16
Fall Type 2-No treatment needed	1	2	3		2	8
Medication Error	2		5	1		8
Other	2	3	6	3	5	19
Procedural Treatment Error			2			2
Property Damage		1				1
Self-Injurious behavior				1	1	2
Smoking Violation			1			1
Totals	14	30	29	9	21	103

**Table 7 Effect of Incidents in the Long Term Care Facility**

EFFECT	3A	3B	5A	6A	6B	Count
Abrasion/scrape/scratch/hematoma	1	6	6		9	22
Bite-Insect				1		1
Blister			1			1
Body System Illness				2		2
Bruise/contusion/discoloration	1	3	2		4	10
Cellulitis		1				1
Death	1	1			1	3
Emesis	1					1
Epistaxis					2	2
Erythema/redness		2				2
Fever	1		1			2
Fracture					1	1
Laceration: NO sutures/staples/steri-strips				1		1
Lethargy	1					1
No Injury/NA	6	11	17	3	3	40
Other				1	1	2
Pain, Specified	2	2				4
Respiratory Distress		1		1		2
Unconscious/Unresponsive		3	2			5
Totals	14	30	29	9	21	103

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

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

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

Cause	TOR	Count
Accident-Injury	2	2
Aggression	15	15
Assault, Pt./Pt	1	1
Assault, Pt./Staff	11	11
Contraband Possession	1	1
Other	1	1
Self-Injurious behavior	11	11
Totals	42	42

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

Primary effect	TOR	Count
Abrasion/scrape/scratch/hematoma	5	5
Bite-Insect	1	1
Edema/swelling	1	1
Erythema/redness	1	1
Hearing changes	1	1
Ingestion of foreign body	2	2
No Injury/NA	27	27
Other	3	3
Pain, Specified	1	1
Totals	42	42

## 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](http://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
Nov-08	Total Users	107	134	87	178	125	92	125	848	10	858
	% Census	62%	58%	53%	71%	56%	55%	60%	60%	8%	55%
Feb-09	Total Users	104	130	82	170	117	92	120	815	10	825
	% of Census	60%	59%	52%	70%	55%	57%	57%	59%	8%	55%
May-09	Total Users	102	128	75	160	110	88	118	781	12	793
	% of Census	59%	58%	48%	67%	52%	56%	55%	57%	9%	53%
Aug-09	Total Users	104	135	77	160	111	92	124	803	14	817
	% of Census	61%	62%	48%	66%	52%	56%	58%	58%	10%	54%

**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	
August09 Patient Census	171	218	161	242	214	164	215	1385	132	64	24	220	24	134	1763
August09 Count	47	34	32	56	49	30	38	286	13	8	2	23	0	41	350
% w/ Diabetes	27%	16%	20%	23%	23%	18%	18%	21%	10%	13%	8%	11%	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 August 2009

Cause	ALL	CLA	DAN	NOR	SMO	TOR	WAR	WER	Count
Accident-Injury				2	1		2		5
Adverse Drug Reaction		2							2
Assault, Pt./Pt				1		1		1	3
Change in Medical Status-Transferred	6	7	1	12	12	18	3	6	65
Community Incident				2					2
Fall Type 1-Injury with treatment		1		4	1	2	1		9
Fall Type 2-No treatment needed						1			1
Indeterminate/Unconfirmed Cause of Injury				3					3
Other	1							2	3
Seizure						1	1		2
Self-Injurious behavior				1		3		4	8
Totals	7	10	1	25	14	26	7	13	103

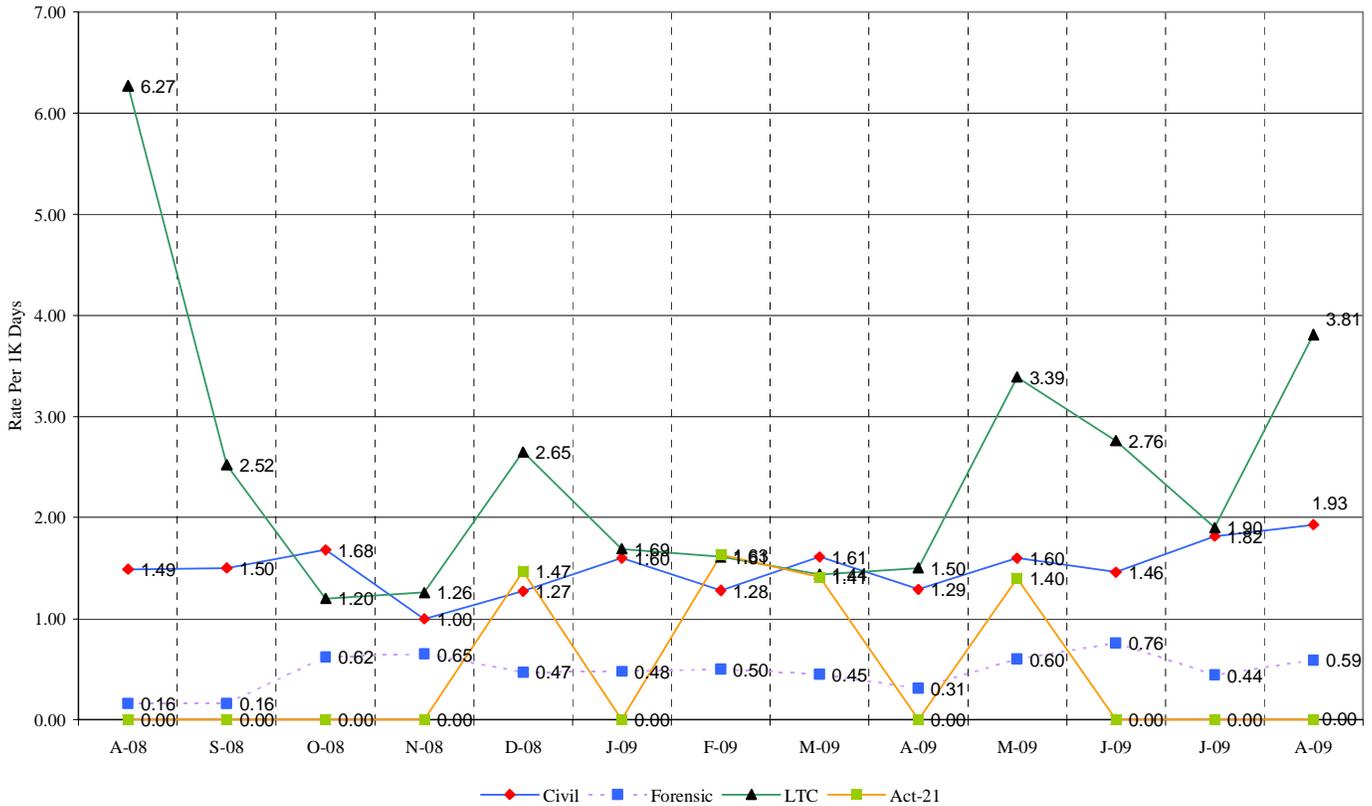
## Falls

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	
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
Aug-09	2.28	1.78	1.40	n/a	0.81	3.20	2.69	1.65	1.93	n/a	0.73	0.00	1.34	0.59	0.00	3.81	1.88

**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	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Total
MAY	0.58	1.00											1.58
NOR					0.08								0.08
TOR										4.50			4.50
WAR	0.83			1.00		6.00	1.93				0.67	1.00	11.43
Total	1.42	1.00	0.00	1.00	0.08	6.00	1.93	0.00	0.00	4.50	0.67	1.00	17.60

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

ABV	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Total
MAY	2	1	0	0	0	0	0	0	0	0	0	0	3
NOR	0	0	0	0	1	0	0	0	0	0	0	0	1
TOR	0	0	0	0	0	0	0	0	0	3	0	0	3
WAR	2	0	0	1	0	4	2	0	0	0	2	1	12
Total	4	1	0	1	1	4	2	0	0	3	2	1	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  
August 2009**

ABV	WARD	Total Hrs
NOR	10A2	1.08
WER	34-3	0.50
NOR	51B1	0.50
NOR	10A1	0.50
Total		2.58

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

ABV	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Total
CLA	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.90
NOR	1.00	0.00	0.00	0.00	1.50	1.00	0.17	1.00	1.75	0.50	0.50	2.08	9.50
WAR	0.00	0.00	0.00	0.00	1.02	1.47	0.67	0.00	0.00	0.00	0.33	0.00	3.48
WER	5.20	4.17	12.70	4.33	4.92	11.80	2.17	11.45	0.83	2.00	3.00	0.50	63.07
Total	6.68	4.17	12.70	4.33	7.43	14.27	3.00	12.45	2.58	2.92	3.83	2.58	76.95

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

ABV	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Total
CLA	1	0	0	0	0	0	0	0	0	1	0	0	2
NOR	1	0	0	0	1	2	1	1	4	1	1	4	16
WAR	0	0	0	0	4	5	2	0	0	0	1	0	12
WER	8	5	11	3	6	9	2	3	1	1	2	1	52
Total	10	5	11	3	11	16	5	4	5	3	4	5	82

**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**  
**August 2009**

ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total
TOR	071	4.183	NOR	01C1	0.328	NOR	10A1	0.083	CLA	4	0.008
WAR	3SW	1.433	DAN	210	0.254	CLA	6	0.060	TOR	FC1	0.008
WER	34-4	0.833	TOR	014	0.217	WER	34-2	0.054	TOR	FC2	0.008
WAR	FOR	0.783	WER	34-3	0.167	NOR	51B1	0.050	CLA	5	0.004
TOR	024	0.583	DAN	212	0.133	CLA	2	0.049	TOR	FB4	0.002
NOR	10A2	0.542	TOR	012	0.133	NOR	51C1	0.042	NOR	10C1	0.001
CLA	3	0.433	WER	35-4	0.121	ALL	M6	0.033	Total		11.651
DAN	312	0.431	DAN	310	0.108	TOR	013	0.025			
TOR	023	0.417	NOR	51B2	0.108	WER	35-3	0.014			

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

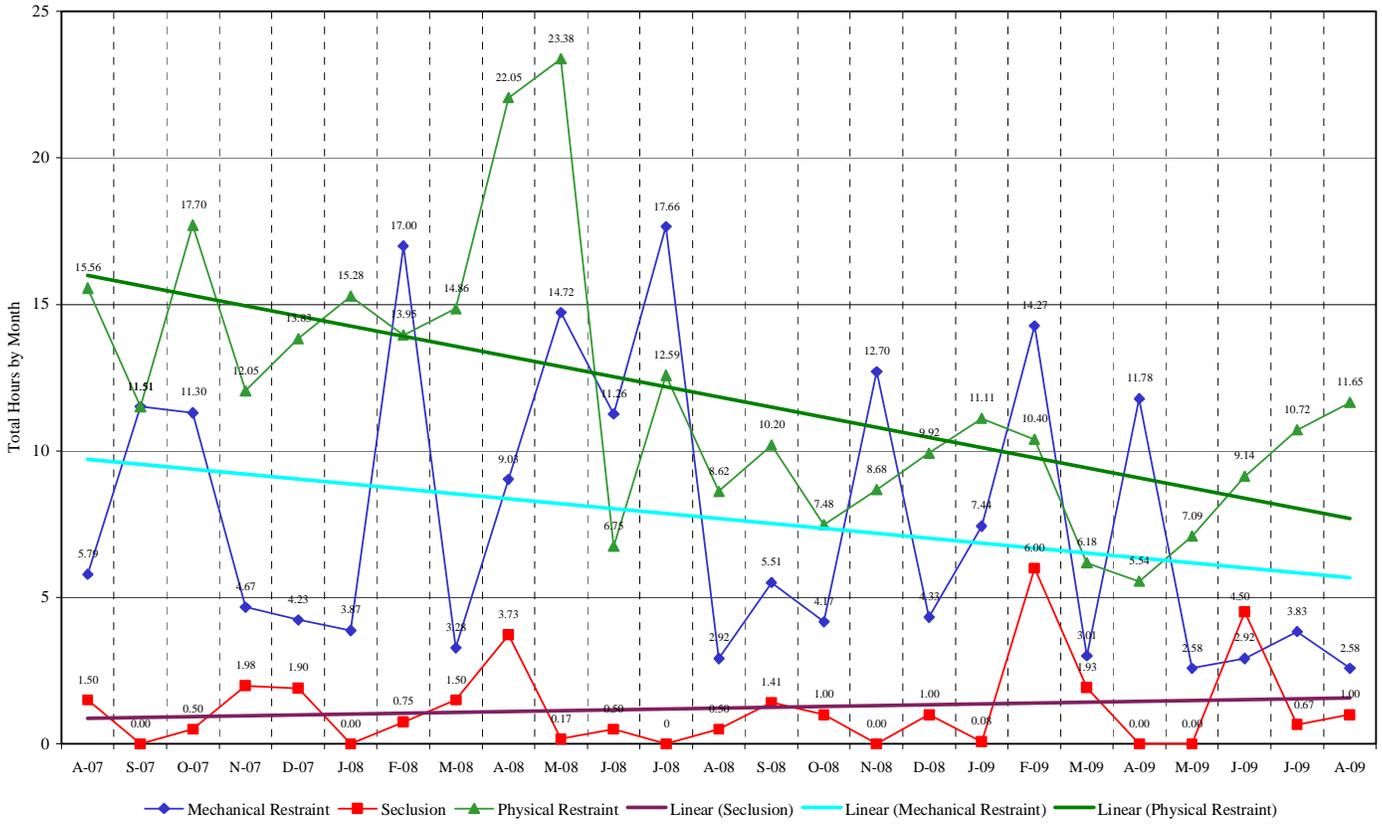
ABV	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Total
ALL	1.929	0.482	0.819	0.625	0.179	0.588	0.036	1.105	0.050	0.417	0.287	0.033	6.550
CLA	0.913	0.589	0.671	0.475	0.508	0.425	1.017	0.825	0.489	0.624	0.933	0.555	8.023
DAN	0.613	0.281	0.365	0.138	0.244	0.304	0.814	0.229	0.614	0.240	0.964	0.926	5.733
MAY	0.442	0.175	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.633
NOR	0.647	1.019	1.078	0.543	0.918	1.939	0.999	0.729	1.738	1.331	1.556	1.154	13.650
TOR	1.900	3.067	1.017	4.733	2.029	1.650	0.618	1.583	2.235	4.078	4.033	5.577	32.520
WAR	1.967	0.833	2.867	2.083	6.500	4.183	2.683	2.000	0.433	2.533	2.550	2.217	30.850
WER	1.874	1.350	2.017	1.325	0.733	1.308	0.328	0.239	1.533	0.167	0.394	1.189	12.456
Total	10.283	7.796	8.850	9.922	11.112	10.397	6.495	6.710	7.092	9.389	10.717	11.651	110.416

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

ABV	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Total
ALL	13	7	8	9	5	8	2	7	1	8	8	2	78
CLA	9	7	13	9	15	6	24	14	11	11	9	16	144
DAN	15	6	16	7	12	10	13	10	11	8	13	18	139
MAY	6	5	1	0	0	0	0	0	0	0	0	0	12
NOR	19	21	18	13	27	35	24	21	36	22	31	25	292
TOR	13	24	8	22	12	18	8	21	19	34	25	39	243
WAR	9	10	9	10	24	15	11	5	4	11	20	13	141
WER	25	15	15	20	10	18	8	6	8	7	7	21	160
Total	109	95	88	90	105	110	90	84	90	101	113	134	1209

## 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**

August-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	31	54	49	47	40	271	22	19	9	50	5	326
% of Census	8.2%	16.5%	19.3%	22.3%	22.9%	28.7%	18.6%	19.6%	16.7%	29.7%	37.5%	22.7%	20.8%	20.0%
Number of Early Med Events	7	0	2	0	3	58	4	74	0	1	10	11	0	85
Number of STAT meds	26	107	150	220	158	198	173	1032	52	38	53	143	30	1205
Rate per 1Kdays	6.26	15.89	30.40	29.57	25.79	49.24	26.56	25.99	12.71	20.40	84.68	22.83	41.04	25.78

**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	3	0	4	0	0	10	17	0	0	0	0
Haloperidol/Lorazepam	0	9	1	29	1	0	2	42	5	0	0	5
Olanzapine/Lorazepam	0	15	0	0	1	0	13	29	0	0	0	0
Quetiapine/Lorazepam	0	1	1	1	0	0	0	3	0	0	0	0
Use of 3 medications	0	0	0	0	0	0	0	0	0	0	0	0
Other Neuroleptic combos	0	2	0	0	0	0	7	9	0	0	0	0
Total	0	30	2	34	2	0	32	100	5	0	0	5

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

ABV	UNIT	Count	ABV	UNIT	Count	ABV	UNIT	Count	ABV	UNIT	Count
WAR	3SW	97	CLA	3	26	TOR	FB4	12	ALL	2W	7
WER	34-4	76	NOR	09AF	26	CLA	2	11	NOR	09CF	7
NOR	10A2	67	WER	34-3	25	WAR	2SW	11	NOR	51A2	6
NOR	01C1	66	WER	35-4	25	DAN	311	11	ALL	M4	6
WAR	3IM	55	NOR	51B2	24	TOR	FC2	11	CLA	5	5
WAR	FOR	53	TOR	023	24	TOR	021	11	TOR	012	4
DAN	212	45	DAN	211	20	TOR	013	11	WAR	IBG	4
CLA	6	39	DAN	310	18	WER	37-1	11	ALL	M3	4
TOR	022	37	WER	35-2	16	CLA	7	10	NOR	51C1	3
TOR	014	33	TOR	FC1	15	TOR	011	9	WAR	3NM	3
TOR	071	30	WAR	IBH	15	NOR	10C1	9	NOR	51A1	3
TOR	024	29	NOR	51B1	14	ALL	M6	8	NOR	09AR	3
DAN	312	29	NOR	10A1	14	CLA	8	8	NOR	51C2	2
NOR	01A1	28	WAR	2NM	13	WER	34-2	8	CLA	1	1
DAN	210	27	WER	35-3	12	CLA	4	7	ALL	M5	1
									Total		1205

**Table 25**

**Route of STAT Medications for Psychiatric Reasons for August**

Civil									Forensic				S RTP
Route	ALL	CLA	DAN	NOR	TOR	WAR	WER	Cnt	NOR	TOR	WAR	Cnt	S RTP
Not reported				1			2	3				0	0
IM	16	52	43	145	113	113	60	542	27	22	29	78	24
Oral	10	55	107	74	45	85	111	487	25	16	24	65	6
Totals	26	107	150	220	158	198	173	1032	52	38	53	143	30

**Table 26**

**Psychiatric Use of STAT Medications by Shift for August**

Civil						Forensic				
ABV	0	1	2	3	Count	ABV	1	2	3	Count
ALL		11	10	5	26	NOR	29	20	3	52
CLA		45	44	18	107	TOR	21	13	4	38
DAN		58	59	33	150	WAR	30	13	10	53
NOR	1	123	88	8	220	Totals	80	46	17	143
TOR		69	77	12	158	S RTP				
WAR		74	107	17	198	S RTP	19	11		30
WER		56	99	18	173					
Totals	1	436	484	111	1032					

**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
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
Aug-09	6.26	15.89	30.40	n/a	29.57	25.79	49.24	26.56	25.99	13.75	n/a	12.71	20.40	84.68	22.83	33.30	41.04

## 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	May	Nor	Tor	War	Wer	Total	May	Nor	Tor	War	Cnt	Tor	Total
Nov-08	125	139	75	22	108	95	114	99	777	0	20	16	17	53	3	833
Feb-09	124	136	81	N/A	114	88	97	84	724	N/A	25	20	17	62	3	789
May-09	124	137	91	N/A	111	91	92	93	739	N/A	33	28	14	75	3	817
Aug-09	126	143	91	N/A	117	89	102	100	768	N/A	30	23	15	68	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	May	Nor	Tor	War	Wer	Total	May	Nor	Tor	War	Cnt	Tor	Total
Nov-08	1	20	26	37	21	61	63	21	250	n/a	1	4	4	9	0	259
Feb-09	1	19	30	n/a	16	53	58	22	199	n/a	2	3	2	7	0	206
May-09	4	17	27	n/a	18	48	59	26	199	n/a	3	0	1	4	0	203
Aug-09	4	10	24	n/a	15	42	61	33	189	n/a	3	3	1	7	0	192

**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	May	Nor	Tor	War	Wer	Total	May	Nor	Tor	War	Cnt	Tor	Total
Nov-08	65	85	53	30	105	75	34	67	514	n/a	33	14	2	49	0	563
Feb-09	49	38	48	n/a	105	48	32	66	386	n/a	27	19	2	48	0	434
May-09	47	57	54	n/a	104	40	32	60	394	n/a	36	21	3	60	0	454
Aug-09	47	55	55	n/a	109	49	38	65	418	n/a	26	22	5	53	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 August 2009**

ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt
NOR	01C1	51	WER	35-3	11	DAN	211	7	NOR	51A2	3
WAR	3IM	27	WER	35-4	11	NOR	10C1	7	WAR	2SW	3
ALL	M6	20	NOR	01A1	10	TOR	FC2	7	NOR	51C1	3
NOR	51B1	18	CLA	7	10	NOR	51A1	6	TOR	013	3
DAN	212	17	ALL	M4	10	SMO	3B	6	TOR	012	2
TOR	023	15	WER	34-3	10	WAR	IBG	5	TOR	014	2
NOR	10A2	14	DAN	310	9	NOR	09CF	5	DAN	210	2
NOR	09AF	14	WAR	3NM	9	CLA	2	4	WER	37-1	2
WER	34-2	13	ALL	M5	9	CLA	5	4	ALL	3W	2
CLA	3	13	CLA	6	9	TOR	024	4	WAR	2NM	2
NOR	10A1	12	NOR	51B2	8	NOR	09AR	3	TOR	071	1
TOR	022	12	ALL	M3	8	WER	35-2	3	NOR	51C2	1
TOR	FC1	12	ALL	2W	8	WAR	FOR	3	DAN	312	1
WER	34-4	11	TOR	011	8	WAR	3SW	3	Total		473

*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					SRTTP
	All	Cl	Dan	May	Nor	Tor	War	Wer	Avg.	May	Nor	Tor	War	Avg.	SRTTP
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	0.00	5.64	n/a	2.40	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	2.30	1.25	1.97	n/a
Apr-09	2.12	1.07	0.83	n/a	3.65	1.82	1.31	1.71	1.88	n/a	1.80	3.67	2.65	2.45	n/a
May-09	1.87	1.17	1.21	n/a	3.98	2.90	1.03	1.80	2.10	n/a	2.70	2.13	2.87	2.56	n/a
Jun-09	0.97	1.23	1.26	n/a	2.93	1.77	0.21	0.93	1.41	n/a	2.79	2.59	5.87	3.05	4.35
Jul-09	1.57	1.18	1.57	n/a	4.40	2.52	0.59	0.90	1.91	n/a	1.70	2.60	0.00	1.77	0.00
Aug-09	3.03	2.23	1.20	n/a	3.90	2.08	3.08	1.50	2.47	n/a	3.91	3.14	1.34	3.41	0.00

**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
TOR	071	11	CLA	6	4	NOR	10A1	2	NOR	51A1	1
WAR	3IM	8	DAN	212	3	ALL	M4	2	SMO	5A	1
NOR	51B2	8	NOR	10A2	3	TOR	023	2	TOR	013	1
WAR	FOR	7	NOR	09AF	3	WAR	2SW	2	TOR	014	1
WER	34-2	7	DAN	310	3	TOR	FC1	2	TOR	022	1
NOR	01C1	5	WER	35-3	3	ALL	2W	2	WAR	3NM	1
WER	35-4	4	TOR	024	3	WER	37-1	2	WAR	3SW	1
DAN	312	4	ALL	M6	3	DAN	311	2	SMO	3B	1
WER	34-4	4	NOR	51B1	2	ALL	M5	2	Total		125
DAN	211	4	WER	35-2	2	TOR	012	1			
CLA	3	4	WER	34-3	2	NOR	10C1	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					SRTP
	All	Cl	Dan	May	Nor	Tor	War	Wer	Avg	May	Nor	Tor	War	Avg	SRTP	
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	1.40	
Aug-09	0.57	0.30	1.20	n/a	0.94	0.32	0.58	1.50	0.78	n/a	0.49	0.00	4.03	0.74	1.37	