



*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 December 2009*

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PA DPW, Bureau of Community & Hospital Operations

January 21, 2010

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

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State Hospital Risk Management Summary Report December 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.

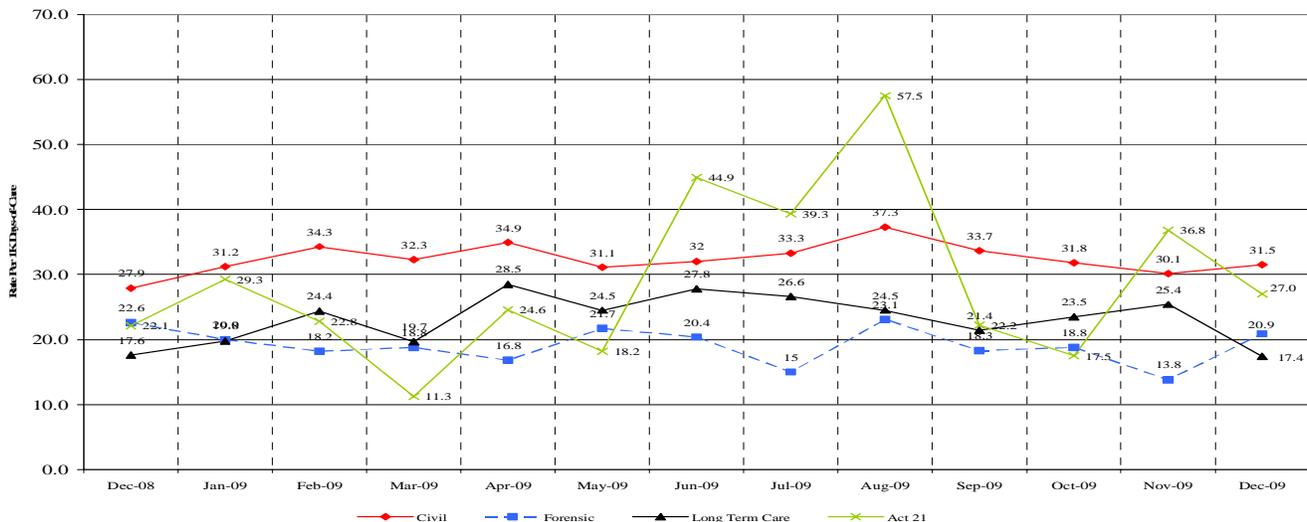
During **December** a total of 1554 incident reports were completed by the state hospital system, which is an increase of 80 events from the previous month. Additionally, 3 prior month records were added to the database. These records are included in all monthly comparisons (page 3) made in this summary report. The following is a breakdown of incidents by individual facility and type of care:

Table 1

December 2009

Civil	12/31/2009	Days Provided	Incidents	Per 1000 Days-of-Care
Allentown	173	5349	209	39.1
Clarks Summit	219	6739	105	15.6
Danville	176	5413	159	29.4
Norristown	242	7448	269	36.1
Torrance	213	5223	204	39.1
Warren	161	5066	108	21.3
Wernersville	215	6688	267	39.9
Total Civil	1399	41926	1321	31.5
Forensic				
Norristown	131	4048	108	26.7
Torrance	55	1783	21	11.8
Warren	26	808	10	12.4
Total Forensic	212	6639	139	20.9
Act 21				
Act 21	26	778	21	27.0
Total Act 21	26	778	21	27.0
Long Term Care				
South Mountain	135	4203	73	17.4
Total L. T. C.	135	4203	73	17.4
Total	1772	53546	1554	29.0

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	7/09	8/09	9/09	10/09	11/09	12/09
Total number of reported airway obstructions or choking incidents at all facilities (Type 1 & 2):	9	7	5	9	5	10
Total number of AWOL's & UA's all facilities:	57	49	39	32	30	27
Total number of falls (Type 1 & 2) at all facilities:	188	209	199	+186	203	179
Total number of reported falls involving consumers age 65 or older:	45	45	39	39	47	36
Total number of reported falls involving consumers age 75 or older:	18	19	18	15	13	6
Total number of reported fire setting events:	0	0	0	2	1	0
Total number of reported incidents involving a bone fracture:	3	8	6	5	1	7
Total number of reported deaths for this report period:	0	4	6	4	7	2
Total number of reported incidents involving a burn or scald:	5	9	0	4	3	3
Total number of reported incidents involving a cut or laceration requiring sutures, steri-strips or glue:	16	19	14	27	22	12
Total number of reported incidents of patient-to-patient assault (see note below):	415	473	445	361	300	351
Total number of reported incidents of patient-to-staff assaults:	111	125	95	110	80	91
Total number of reported incidents involving alleged abuse:	15	12	+9	-14	13	15
Total percentage for the month of reported incidents involving no physical injury to the Patient:	68%	66%	69%	64%	66%	69%
Total incidents of physical restraint used for the month:	113	134	90	118	73	102
Total hours of physical restraint used for the month:	10.717	11.651	6.185	10.866	6.926	9.657
Incidents of mechanical restraint use for the month:	4	6	7	11	10	11
Total hours of mechanical restraint used for the month:	3.83	10.08	6.32	7.77	8.18	7.80
Total reported incidents involving the use of seclusion:	2	1	0	2	0	0
Total hours of seclusion used for the month:	0.67	1.00	0	0.75	0	0
Total number of reported incidents coded as alleged sexual assault:	3	6	4	3	1	1
Total number of reported incidents of attempted suicide:	4	2	6	0	3	7
Total number of reported incidents involving the threat or plan of suicide:	6	12	4	4	10	7
Total number of reported incidents of illicit drug use/possession:	0	0	1	0	0	1
Total number of medication errors:	43	52	56	59	+43	41
Total number of STAT medications administered for psychiatric indications:	1149	1205	997	1128	988	1108

***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**
December 2009

Primary Cat #	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Accident-Injury	3	6	1	5	3	4	5	27
Adverse Drug Reaction		1						1
Aggression	5	10	7	60	28	7	51	168
Airway Obstruction type 1 Intervention		2	1			1	1	5
Airway Obstruction type 2 No Intervention	1	1	1				1	4
Alcohol Use/Possession/Suspected or Confirmed		1						1
Alleged Pt. Abuse	11			1	2	1		15
Assault, Pt./Pt	26	20	56	76	45	24	47	294
Assault, Pt./Staff	11	8	13	16	7	5	15	75
AWOL/UA	1		2	1	1	2	5	12
AWOL-Attempt	3		1	1	1			6
AWOL-Late		1	2	1	3	1	1	9
Change in Medical Status-Stabilized	1	1		8	3		1	14
Change in Medical Status-Transferred	10	3	2	14	6	2	3	40
Charged post admit/crime committed prior to admit		1						1
Charged with alleged crime on hospital grounds			2			1		3
Communications Sys. Misuse	1		2					3
Community Incident			1		2			3
Contraband Possession	14	2	5	2	5	5	4	37
Fall Type 1-Injury with treatment	3	12	9	13	10	11	23	81
Fall Type 2-No treatment needed	9	4	15	2	11	13	22	76
Family Concern	1			1	4		2	8
Illicit Substance Use/Possession						1		1
Indeterminate/Unconfirmed Cause of Injury	4	13	8	9	7	2	3	46
Medication Error	6	3	2	10	1	5	4	31
Missing Property	8	2	1	2	5		3	21
Other	27	5	4	6	33	5	16	96
Procedural Treatment Error	6	2	2	6			1	17
Property Damage	2	2	6	4	4		7	25
Seizure	1	1		1	2	1		6
Self-Injurious behavior	27	2	11	19	14	8	28	109
Sexual Behavior	1			2	1	2	7	13
Smoking Violation	20	1		6	2		2	31
Substantiated Nonconsensual Sexual Activity							5	5
Substantiated Patient Abuse					1			1
Suicide Attempt	2	1	1	1		2		7
Suicide threat/plan	2		1	2	2			7
Theft	3		1			2	8	14
Unknown						3		3
Unsubstantiated Nonconsensual Sexual Activity							2	2
Unsubstantiated Patient Abuse			2		1			3
Totals	209	105	159	269	204	108	267	1321

Table 3

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

Primary effect	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Not reported							1	1
Abrasion/scrape/scratch/hematoma	6	16	25	19	17	12	14	109
Blister			1	1				2
Body System Illness				1	3	1	1	6
Bruise/contusion/dicoloration	6	12	4	5	9	12	6	54
Burn/Scald		2					1	3
Cellulitis		1		1				2
Constipation				1				1
Damaged or lost tooth			1		1			2
Edema/swelling	2	2	4	2		5	3	18
Emesis	4					1		5
Epistaxis		1	2	1				4
Erythema/redness	2		2	4	3	1	7	19
Fever	1			1				2
Fracture	3		1	1				5
Ingestion of foreign body	2			2			8	12
Laceration: NO sutures/staples/steri-strips	3	1	1	9	4	1	5	24
Laceration: with steristrips/glue	1	3					1	5
Laceration: with sutures/staples		2		1		1		4
Lethargy				2	2			4
Muscle pull/strain/sprain		1			1	1		3
No Injury/NA	155	57	114	186	147	66	194	919
Other	15	2	1	10	4	3	3	38
Pain unspecified							1	1
Pain, Specified	4	1	3	17	12	3	17	57
Puncture/stab wound					1		2	3
Respiratory Distress	1	1		1			1	4
Seizure	2	2				1		5
Skin Irritation/Rash				2				2
Sunburn				1				1
Syncopal episode		1						1
Unconscious/Unresponsive	2			1			2	5
Totals	209	105	159	269	204	108	267	1321

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

Table 4

Primary Cat #	51A1	51A2	51B1	51B2	51C1	51C2	FOR	FB4	FC1	FC2	Count
Accident-Injury	1	1			2						4
Adverse Drug Reaction	1										1
Aggression	8	4	9	1	1	7	1	1	8	1	41
Alleged Nonconsensual Sexual Activity									1		1
Assault, Pt./Pt	15	3	14	2	4	4	6		3	2	53
Assault, Pt./Staff	4	2	6		1		1				14
Change in Medical Status-Stabilized					1	1					2
Change in Medical Status-Transferred	1	1			2	1				1	6
Fall Type 1-Injury with treatment	1							1		1	3
Fall Type 2-No treatment needed	1					2					3
Indeterminate/Unconfirmed Cause of Injury			1								1
Medication Error			2		1						3
Other							2		1	1	4
Property Damage	1										1
Self-Injurious behavior			1			1					2
Totals	33	11	33	3	12	16	10	2	13	6	139

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	6				2		1	1		1	11
Bruise/contusion/discoloration	1		2								3
Edema/swelling	1	2	1			1			1		6
Erythema/redness		1									1
Fracture	1									1	2
Laceration: NO sutures/staples/steri-strips	2		1								3
Laceration: with sutures/staples									1		1
Muscle pull/strain/sprain		1									1
No Injury/NA	21	7	28	3	6	12	9	1	10	3	100
Other					1	2				1	4
Pain, Specified			1		3	1			1		6
Unconscious/Unresponsive	1										1
Totals	33	11	33	3	12	16	10	2	13	6	139

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

Table 6

Cause of Incidents in the Long Term Care Facility

Cause	3A	3B	5A	6A	6B	Count
Accident-Injury	1	3	1	1	2	8
Aggression	5	1	4	1		11
Airway Obstruction type 1 Intervention		1				1
Assault, Pt./Pt		4				4
Assault, Pt./Staff		2				2
Change in Medical Status-Stabilized			1			1
Change in Medical Status-Transferred					3	3
Community Incident			1			1
Fall Type 1-Injury with treatment	1	4	1		1	7
Fall Type 2-No treatment needed	2	2	2		1	7
Medication Error	1		5	1		7
Other		1	8	1	1	11
Procedural Treatment Error				4		4
Property Damage			2		1	3
Theft			2		1	3
Totals	10	18	27	8	10	73

Table 7

Effect of Incidents in the Long Term Care Facility

EFFECT	3A	3B	5A	6A	6B	Count
Abrasion/scrape/scratch/hematoma		3	2	1	2	8
Bruise/contusion/discoloration	1	2	3		1	7
Death			1		1	2
Epistaxis			1			1
Erythema/redness		1				1
Laceration: NO sutures/staples/steri-strips	1					1
Laceration: with steristrips/glue		2				2
Lethargy					1	1
No Injury/NA	8	9	20	7	3	47
Pain, Specified		1				1
Respiratory Distress					2	2
Totals	10	18	27	8	10	73

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

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

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

Cause	TOR	Count
Aggression	7	7
Fall Type 1-Injury with treatment	2	2
Other	1	1
Self-Injurious behavior	11	11
Totals	21	21

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

Primary effect	TOR	Count
Abrasion/scrape/scratch/hematoma	6	6
Edema/swelling	1	1
Erythema/redness	1	1
Laceration: NO sutures/staples/steri-strips	3	3
No Injury/NA	10	10
Totals	21	21

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
Mar-09	Total Users	105	132	78	171	121	90	124	821	11	832
	% of Census	60%	61%	49%	70%	57%	57%	58%	60%	8%	55%
Jun-09	Total Users	104	127	84	145	112	89	119	780	12	792
	% of Census	60%	58%	51%	62%	53%	55%	55%	56%	9%	52%
Sep-09	Total Users	101	135	83	160	101	86	122	788	14	802
	% of Census	59%	62%	49%	65%	48%	51%	56%	56%	10%	52%
Dec-09	Total Users	107	131	86	162	108	97	119	810	14	824
	% of Census	62%	60%	49%	67%	51%	60%	55%	58%	10%	54%

Note: Smoking is not permitted in the Forensic Centers.

Table 11

Diabetes

M/Year	Civil Hospitals								Forensic Centers				A21	LTC	Sys
	All	Cl	Dan	Nor	Tor	War	Wer	Ttl	Nor	Tor	War	Total	A21	SMRC	
December09 Patient Census	173	219	176	242	213	161	215	1399	131	55	26	212	26	135	1772
December09 Count	50	31	36	55	52	31	41	296	14	7	3	24	0	40	360
% w/ Diabetes	29%	14%	20%	23%	24%	19%	19%	21%	11%	13%	12%	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
December 2009**

Cause	ALL	CLA	DAN	NOR	SMO	TOR	WAR	WER	Count
Accident-Injury		1							1
Adverse Drug Reaction		1							1
Aggression	1								1
Airway Obstruction type 1 Intervention							1		1
Alleged Pt. Abuse	1								1
Assault, Pt./Pt	1			2			2		5
Assault, Pt./Staff				1					1
Change in Medical Status-Transferred	10	3	1	19	3	7	2	3	48
Fall Type 1-Injury with treatment	1			3				2	6
Illicit Substance Use/Possession							1		1
Indeterminate/Unconfirmed Cause of Injury				2					2
Other			1	1		1	1		4
Seizure		1		1					2
Self-Injurious behavior	1			3		1		4	9
Suicide Attempt				1					1
Totals	15	6	2	33	3	9	7	9	84

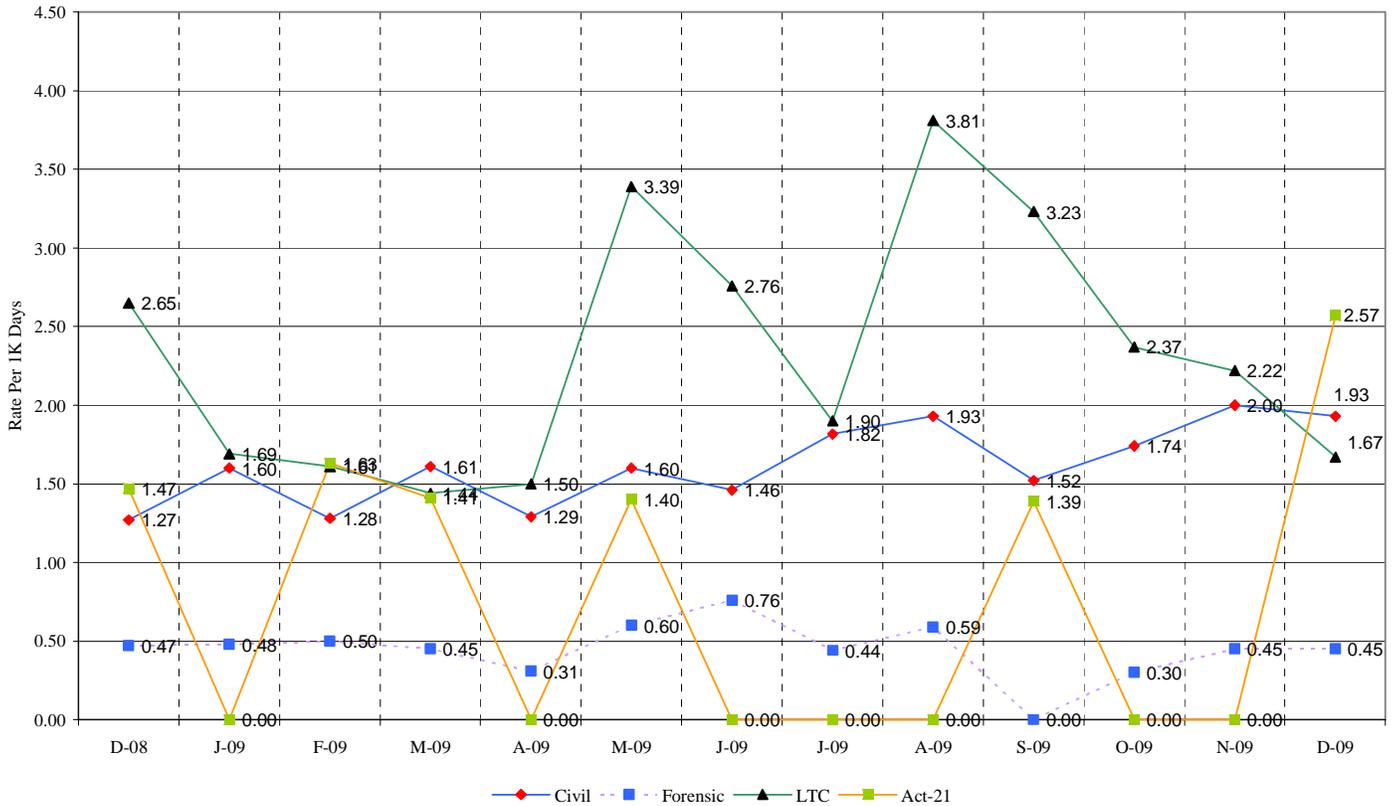
Falls

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	Cl	Dan	Nor	Tor	War	Wer	Ttl	Nor	Tor	War	Total	A21	SMRC	
Dec-08	1.31	0.43	0.60	1.28	3.50	1.14	0.62	1.27	0.50	0.00	1.21	0.47	1.47	2.65	1.27
Jan-09	1.86	2.66	0.81	1.82	1.68	1.34	0.77	1.60	0.50	0.00	1.30	0.48	0.00	1.69	1.46
Feb-09	1.03	1.64	1.13	1.51	1.38	0.87	1.20	1.28	0.25	0.00	2.98	0.50	1.63	1.61	1.21
Mar-09	0.93	1.34	1.22	1.98	3.34	1.65	0.61	1.61	0.49	0.58	0.00	0.45	1.41	1.44	1.45
Apr-09	0.96	2.44	1.03	0.95	2.49	0.44	0.47	1.29	0.52	0.00	0.00	0.31	0.00	1.50	1.17
May-09	2.06	2.20	1.82	1.46	1.77	1.24	0.75	1.60	0.49	0.53	1.43	0.60	1.40	3.39	1.62
Jun-09	1.55	2.30	1.26	0.56	2.09	1.89	0.77	1.46	0.76	1.04	0.00	0.76	0.00	2.76	1.45
Jul-09	2.27	2.21	0.99	1.24	2.52	2.17	1.34	1.82	0.73	0.00	0.00	0.44	0.00	1.90	1.63
Aug-09	2.28	1.78	1.40	0.81	3.20	2.69	1.65	1.93	0.73	0.00	1.34	0.59	0.00	3.81	1.88
Sep-09	1.57	0.92	1.41	0.55	2.44	1.99	2.00	1.52	0.00	0.00	0.00	0.00	1.39	3.23	1.46
Oct-09	2.46	1.48	1.15	1.20	2.21	1.92	1.93	1.74	0.24	0.00	1.27	0.30	0.00	2.37	1.59
Nov-09	2.17	1.99	0.58	0.69	2.45	2.61	3.54	2.00	0.76	0.00	0.00	0.45	0.00	2.22	1.79
Dec-09	0.56	1.78	1.66	1.75	1.91	2.17	3.44	1.93	0.25	1.12	0.00	0.45	2.57	1.67	1.70

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	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Total
NOR	0.08									0.50			0.58
TOR						4.50							4.50
WAR		6.00	1.93				0.67	1.00		0.25			9.85
Total	0.08	6.00	1.93	0.00	0.00	4.50	0.67	1.00	0.00	0.75	0.00	0.00	14.93

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

ABV	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Total
NOR	1	0	0	0	0	0	0	0	0	1	0	0	2
TOR	0	0	0	0	0	3	0	0	0	0	0	0	3
WAR	0	4	2	0	0	0	2	1	0	1	0	0	10
Total	1	4	2	0	0	3	2	1	0	2	0	0	15

**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
December 2009**

ABV	WARD	Total Hrs
WER	35-3	1.75
NOR	01A1	1.50
WER	35-4	1.33
NOR	10A1	1.25
NOR	51B1	0.75
CLA	2	0.73
NOR	51A1	0.48
Total		7.80

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

ABV	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Total
CLA	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.50	0.73	1.65
NOR	1.50	1.00	0.17	1.00	1.75	0.50	0.50	2.08	1.50	2.75	6.25	3.98	22.98
WAR	1.02	1.47	0.67	0.00	0.00	0.00	0.33	0.00	0.00	1.12	0.50	0.00	5.10
WER	4.92	11.80	2.17	11.45	0.83	2.00	3.00	8.00	4.82	3.90	0.93	3.08	56.90
Total	7.43	14.27	3.00	12.45	2.58	2.92	3.83	10.08	6.32	7.77	8.18	7.80	86.63

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

ABV	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Total
CLA	0	0	0	0	0	1	0	0	0	0	1	1	3
NOR	1	2	1	1	4	1	1	4	1	4	6	6	32
WAR	4	5	2	0	0	0	1	0	0	2	1	0	15
WER	6	9	2	3	1	1	2	2	6	5	2	4	43
Total	11	16	5	4	5	3	4	6	7	11	10	11	93

**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
December 2009**

ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total
NOR	01C1	3.092	CLA	2	0.350	TOR	014	0.133	NOR	10A1	0.050
NOR	01A1	0.725	DAN	312	0.342	WER	34-4	0.132	WAR	FOR	0.050
NOR	51B1	0.625	TOR	023	0.333	NOR	10A2	0.125	ALL	2W	0.033
TOR	022	0.483	WER	35-3	0.317	WAR	3SW	0.083	NOR	51C2	0.033
TOR	013	0.450	NOR	51A1	0.250	ALL	M4	0.083	TOR	FC1	0.033
CLA	3	0.400	TOR	071	0.200	NOR	09CF	0.083	NOR	51B2	0.033
WER	35-4	0.383	WER	37-1	0.167	NOR	09AF	0.083	CLA	6	0.011
TOR	012	0.367	CLA	7	0.150	NOR	51A2	0.056	Total		9.657

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

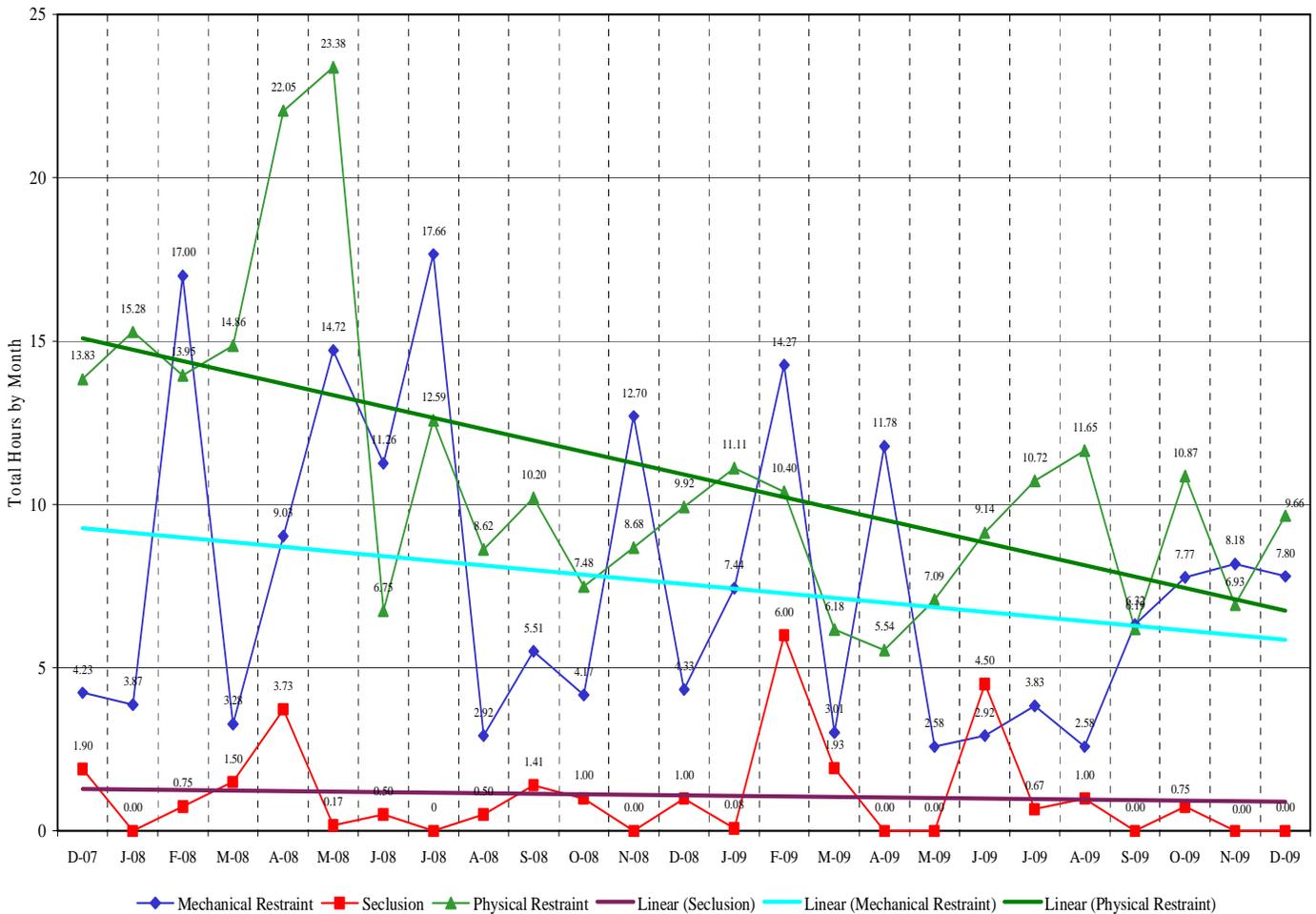
ABV	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Total
ALL	0.179	0.588	0.036	1.105	0.050	0.417	0.287	0.033	0.550	1.056	0.308	0.117	4.725
CLA	0.508	0.425	1.017	0.825	0.489	0.624	0.933	0.555	0.088	0.708	0.304	0.911	7.387
DAN	0.244	0.304	0.814	0.229	0.614	0.240	0.964	0.926	0.800	2.845	0.150	0.342	8.474
NOR	0.918	1.939	0.999	0.729	1.738	1.331	1.556	1.154	0.758	1.136	2.631	5.156	20.043
TOR	2.029	1.650	0.618	1.583	2.235	4.078	4.033	5.577	2.731	3.479	2.267	2.000	32.281
WAR	6.500	4.183	2.683	2.000	0.433	2.533	2.550	2.217	0.250	0.967	0.683	0.133	25.133
WER	0.733	1.308	0.328	0.239	1.533	0.167	0.394	1.190	1.013	0.950	0.583	0.999	9.437
Total	11.112	10.397	6.495	6.710	7.092	9.389	10.717	11.653	6.189	11.141	6.926	9.657	107.479

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

ABV	Jan_09	Feb_09	Mar_09	Apr_09	May_09	Jun_09	Jul_09	Aug_09	Sep_09	Oct_09	Nov_09	Dec_09	Total
ALL	5	8	2	7	1	8	8	2	12	9	4	3	69
CLA	15	6	24	14	11	11	9	16	2	13	6	13	140
DAN	12	10	13	10	11	8	13	18	16	33	8	4	156
NOR	27	35	24	21	36	22	31	25	19	23	27	43	333
TOR	12	18	8	21	19	34	25	39	21	20	11	14	242
WAR	24	15	11	5	4	11	20	13	4	8	8	3	126
WER	10	18	8	6	8	7	7	22	17	14	9	22	148
Total	105	110	90	84	90	101	113	135	91	120	73	102	1214

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**

December-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	21	30	34	54	46	40	43	268	27	16	9	52	3	323
% of Census	12.1%	13.7%	19.3%	22.3%	21.6%	24.8%	20.0%	19.2%	20.6%	29.1%	34.6%	24.5%	11.5%	19.7%
Number of Early Med Events	12	2	6	0	4	13	9	46	0	5	15	20	1	67
Number of STAT meds	35	92	124	221	208	108	172	960	75	23	27	125	23	1108
Rate per 1Kdays	8.79	13.95	24.02	29.67	34.07	23.88	27.06	23.44	18.36	15.70	51.98	21.72	30.85	23.32

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	1	2	1	0	1	0	4	9	5	1	0	6	
Haloperidol/Lorazepam	0	2	0	11	1	0	3	17	3	0	0	3	
Olanzapine/Lorazepam	0	21	0	0	0	0	7	28	0	0	0	0	
Quetiapine/Lorazepam	0	0	0	0	0	0	0	0	0	0	0	0	
Use of 3 medications	0	0	0	0	1	0	0	1	0	0	0	0	
Other Neuroleptic combos	0	3	0	5	2	0	0	10	0	1	0	1	
Total	1	28	1	16	5	0	14	65	8	2	0	10	

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

ABV	UNIT	Count	ABV	UNIT	Count	ABV	UNIT	Count	ABV	UNIT	Count
NOR	10A2	75	WER	34-3	25	WER	35-2	15	ALL	M4	6
WAR	3SW	49	CLA	6	24	ALL	2W	14	CLA	8	6
TOR	014	48	TOR	071	23	NOR	10A1	13	NOR	10C1	6
TOR	022	47	CLA	3	23	NOR	51A2	13	NOR	51C1	6
NOR	01C1	45	DAN	311	22	NOR	51C2	12	TOR	011	6
WER	34-4	43	TOR	023	21	ALL	M6	12	WAR	2SW	6
DAN	312	42	TOR	024	19	DAN	212	11	TOR	FB4	5
NOR	01A1	40	CLA	7	18	WER	34-2	11	CLA	5	4
TOR	021	40	WAR	3IM	18	TOR	FC1	10	TOR	043	2
WER	35-4	33	WER	37-1	17	WAR	2NM	9	ALL	M5	2
DAN	310	32	WAR	3NM	17	TOR	012	9	WAR	IBG	2
WER	35-3	28	NOR	51A1	17	NOR	09AR	9	DAN	210	1
WAR	FOR	27	DAN	211	16	TOR	FC2	8	CLA	4	1
NOR	51B1	26	TOR	013	16	NOR	09CF	8	ALL	M3	1
NOR	09AF	25	CLA	2	16	WAR	IBH	7	NOR	51B2	1
									Total		1108

Table 25

Route of STAT Medications for Psychiatric Reasons for December

Civil									Forensic				S RTP
Route	ALL	CLA	DAN	NOR	TOR	WAR	WER	Cnt	NOR	TOR	WAR	Cnt	S RTP
Not reported							1	1					
IM	14	38	44	122	143	35	52	448	55	10	7	72	5
Oral	21	53	80	98	65	73	119	509	20	13	20	53	18
Other		1		1				2					
Totals	35	92	124	221	208	108	172	960	75	23	27	125	23

Table 26

Psychiatric Use of STAT Medications by Shift for December

Civil					Forensic				
ABV	1	2	3	Count	ABV	1	2	3	Count
ALL	24	11		35	NOR	37	35	3	75
CLA	39	48	5	92	TOR	6	15	2	23
DAN	45	45	34	124	WAR	7	15	5	27
NOR	124	80	17	221	Totals	50	65	10	125
TOR	95	104	9	208	S RTP				
WAR	30	62	16	108	S RTP	1	20	1	23
WER	82	64	26	172					
Totals	439	414	107	960					

Table 27

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

Civil											Forensic					S RTP
Month	All	Cla	Dan	May	Nor	Tor	War	Wer	Total	Std Dev	Nor	Tor	War	Total	Std Dev	S RTP
Dec-08	9.33	11.99	34.70	3.77	15.49	35.00	28.22	22.55	21.61	11.66	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	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	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	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	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	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	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	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	12.71	20.40	84.68	22.83	33.30	41.04
Sep-09	9.61	12.11	29.86	n/a	23.37	28.36	29.87	30.43	23.32	9.68	10.86	18.11	42.36	16.63	13.94	12.50
Oct-09	11.76	14.23	40.47	n/a	20.65	43.53	25.19	22.81	25.22	12.73	13.64	7.99	35.58	14.63	12.11	23.55
Nov-09	15.21	13.47	28.79	n/a	23.52	25.98	37.99	20.14	23.15	9.34	10.36	9.51	25.30	11.81	7.43	21.80
Dec-09	8.79	13.95	24.02	n/a	29.67	34.07	23.88	27.06	23.44	9.58	18.36	15.70	51.98	21.72	16.87	30.85

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	Cl a	D an	N or	T or	W ar	W er	Total	N or	T or	W ar	C nt	T or	Total
Mar-09	122	133	90	114	87	97	88	731	29	19	18	66	0	797
Jun-09	120	143	94	108	92	99	96	752	31	28	16	75	3	830
Sep-09	128	139	93	115	89	102	91	757	31	18	19	68	3	828
Dec-09	142	140	97	119	80	98	101	777	30	18	15	63	3	843

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	Cl a	D an	N or	T or	W ar	W er	Total	N or	T or	W ar	C nt	T or	Total
Mar-09	2	14	32	19	45	63	26	201	2	0	2	4	0	205
Jun-09	4	18	19	16	47	60	23	187	3	1	2	6	0	193
Sep-09	1	12	31	20	40	49	30	183	2	2	1	5	0	188
Dec-09		18	38	16	50	57		179	4	2	4	10	0	189

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	Cl a	D an	N or	T or	W ar	W er	Total	N or	T or	W ar	C nt	T or	Total
Mar-09	53	32	44	105	44	25	64	367	32	24	3	59	0	426
Jun-09	51	51	54	99	43	34	58	390	30	20	3	53	0	443
Sep-09	51	71	51	108	47	39	65	432	31	20	2	53	0	485
Dec-09		68	50	105	39	40		302	28	18	3	49		351

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
December 2009**

ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt
DAN	310	24	NOR	01C1	8	ALL	2W	4	WER	34-3	2
NOR	10A2	22	WER	35-4	8	ALL	M5	4	WAR	3SW	2
NOR	01A1	18	CLA	3	8	TOR	021	4	NOR	51B2	2
DAN	211	17	WER	35-2	7	NOR	51C2	4	CLA	5	2
NOR	51A1	15	NOR	10A1	7	TOR	023	4	TOR	014	2
NOR	51B1	14	NOR	09AF	7	CLA	7	4	DAN	311	2
ALL	M6	14	WER	34-4	7	CLA	2	4	TOR	FC2	2
DAN	312	12	TOR	024	6	NOR	51C1	4	WAR	2SW	1
TOR	013	12	TOR	022	6	NOR	51A2	3	NOR	09AR	1
WAR	3IM	12	WAR	FOR	6	WER	37-1	3	DAN	210	1
WER	34-2	10	TOR	011	6	TOR	FC1	3	Total		351
WER	35-3	10	TOR	012	5	CLA	6	2			
WAR	3NM	9	SMO	3B	4	ALL	M3	2			
NOR	09CF	9	NOR	10C1	4	ALL	M4	2			

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

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

Pt.-to-Pt. Assault w/ any Injury	Civil								Forensic				S RTP
	All	Cl a	Dan	Nor	Tor	War	Wer	Avg.	Nor	Tor	War	Avg.	S RTP
Jan-09	1.86	2.36	2.23	1.69	3.05	0.58	0.31	1.74	2.98	4.00	0.00	2.86	n/a
Feb-09	1.65	1.48	2.48	4.37	1.89	0.87	1.88	2.17	1.49	2.94	1.49	1.82	n/a
Mar-09	0.74	1.93	0.41	3.04	1.43	2.47	0.46	1.56	1.96	2.30	1.25	1.97	n/a
Apr-09	2.12	1.07	0.83	3.65	1.82	1.31	1.71	1.88	1.80	3.67	2.65	2.45	n/a
May-09	1.87	1.17	1.21	3.98	2.90	1.03	1.80	2.10	2.70	2.13	2.87	2.56	n/a
Jun-09	0.97	1.23	1.26	2.93	1.77	0.21	0.93	1.41	2.79	2.59	5.87	3.05	4.35
Jul-09	1.57	1.18	1.57	4.40	2.52	0.59	0.90	1.91	1.70	2.60	0.00	1.77	0.00
Aug-09	3.03	2.23	1.20	3.90	2.08	3.08	1.50	2.47	3.91	3.14	1.34	3.41	0.00
Sep-09	1.57	0.77	0.61	2.06	2.12	1.99	1.69	1.57	2.53	0.00	2.57	1.81	0.00
Oct-09	2.09	0.89	1.34	2.40	2.80	1.54	1.18	1.77	3.90	0.00	2.54	2.66	2.69
Nov-09	1.78	1.22	2.72	2.08	1.14	1.61	1.38	1.68	1.52	0.53	0.00	1.06	1.36
Dec-09	1.12	0.89	1.66	3.22	1.91	1.58	0.90	1.65	3.46	0.56	1.24	2.41	0.00

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
NOR	51B1	6	DAN	212	3	TOR	022	2	NOR	51C1	1
NOR	01A1	5	WER	35-3	3	TOR	023	2	TOR	011	1
WER	35-4	4	SMO	3B	2	ALL	M5	2	TOR	012	1
NOR	51A1	4	CLA	7	2	ALL	M4	2	TOR	024	1
DAN	211	4	WER	37-1	2	WER	34-4	2	WAR	2NM	1
NOR	01C1	4	NOR	51A2	2	CLA	2	1	WAR	3SW	1
WAR	3NM	3	NOR	09AF	2	ALL	M3	1	WAR	FOR	1
ALL	2W	3	DAN	310	2	CLA	5	1	WER	35-2	1
ALL	M6	3	CLA	6	2	DAN	311	1	NOR	09CF	1
WER	34-3	3	NOR	10A2	2	NOR	09AR	1	Total		91
DAN	312	3	CLA	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				S RTP
	All	Cl a	Dan	Nor	Tor	War	Wer	Avg	Nor	Tor	War	Avg	S RTP
Dec-08	1.12	0.87	0.40	0.38	0.76	0.57	0.79	0.68	0.25	0.00	1.21	0.32	n/a
Jan-09	1.11	0.59	0.00	0.39	0.76	0.00	0.62	0.51	0.99	0.00	0.00	0.64	n/a
Feb-09	1.03	0.33	1.35	0.45	0.69	0.65	0.86	0.73	0.50	2.20	0.00	0.83	n/a
Mar-09	0.00	0.59	0.61	0.53	0.16	0.62	0.76	0.47	0.25	1.15	0.00	0.45	n/a
Apr-09	1.93	0.61	0.41	0.41	0.33	0.22	1.09	0.71	0.00	0.52	0.00	0.15	n/a
May-09	0.37	0.44	0.81	0.53	0.16	0.41	1.50	0.61	0.49	0.00	0.00	0.30	n/a
Jun-09	0.19	0.15	0.84	0.84	0.16	0.21	0.77	0.46	0.51	0.52	0.00	0.46	1.45
Jul-09	0.52	0.88	0.99	0.55	0.79	0.00	1.64	0.79	0.00	0.00	1.32	0.15	1.40
Aug-09	0.57	0.30	1.20	0.94	0.32	0.58	1.50	0.78	0.49	0.00	4.03	0.74	1.37
Sep-09	1.76	0.00	0.20	0.55	0.49	0.60	1.08	0.65	0.25	0.00	0.00	0.15	2.78
Oct-09	1.33	0.44	0.95	0.53	0.63	0.77	0.30	0.67	0.24	0.53	0.00	0.30	1.34
Nov-09	0.79	0.15	1.56	0.14	0.49	0.40	1.08	0.63	0.25	0.00	0.00	0.15	0.00
Dec-09	1.31	0.30	1.48	0.81	0.77	0.20	0.60	0.76	1.73	0.00	0.00	1.05	0.00