



State Hospital Risk Management Summary Report For December 2010

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Introduction

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.

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

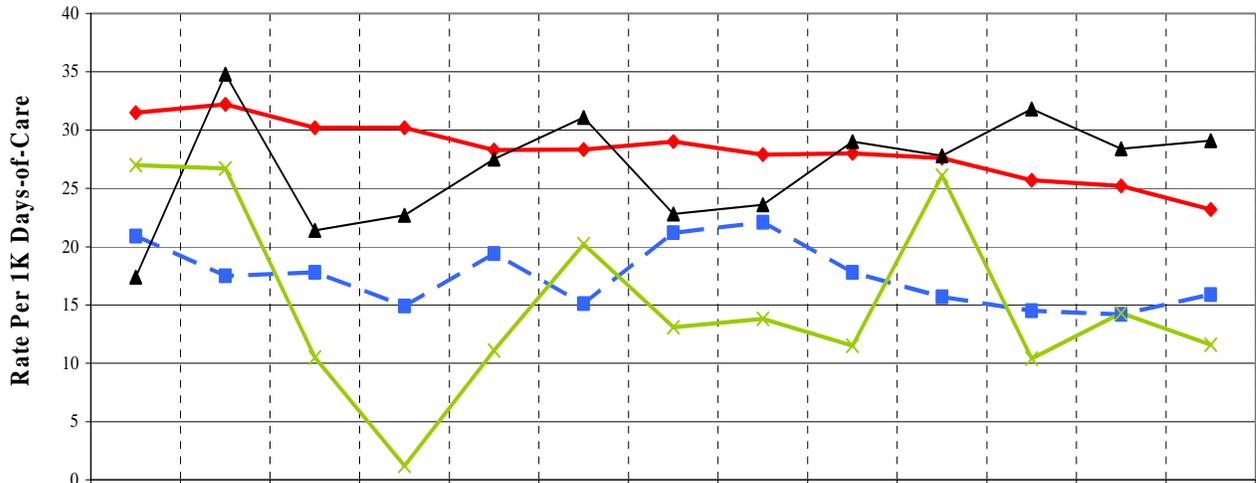
During **December** a total of 1125 incident reports were completed by the state hospital system. Additional records addressing specific categories from the previous month were included on page 4 of this report. Other tables in this report may include additional NRI events regarding these incident reports. The following is a breakdown of incidents by individual facility and type of care:

Table 1 - Number of Incident Reports

Civil	Census 12/31/10	Days Provided	Incidents	Per 1000 Days-of-Care
<i>Allentown</i>			5	
Clarks Summit	220	6807	93	13.7
Danville	175	5420	153	28.2
Norristown	227	6812	204	29.9
Torrance	205	6058	117	19.3
Warren	161	5052	137	27.1
Wernersville	267	8320	189	22.7
Total Civil	1255	38469	898	23.3
Forensic				
Norristown	130	4091	91	22.2
Torrance	66	2089	7	3.4
Total Forensic	196	6180	98	15.9
Act 21				
Act 21	27	859	10	11.6
Total Act 21	27	859	10	11.6
Long Term Care				
South Mountain	131	4086	119	29.1
Total L. T. C.	131	4086	119	29.1
Total	1609	49594	1125	22.7

* Based on data appended on 01/20/2011

Thirteen-Month Trend of Incidents by Type of Care per 1,000 Days of Care



	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10
—◆— Civil	31.5	32.2	30.2	30.2	28.3	28.3	29	27.9	28	27.6	25.7	25.2	23.2
—■— Forensic	20.9	17.5	17.8	14.9	19.4	15.1	21.2	22.1	17.8	15.7	14.5	14.2	15.9
—▲— Long Term Care	17.4	34.8	21.4	22.7	27.5	31.1	22.8	23.6	29	27.8	31.8	28.4	29.1
—×— Act 21	27.0	26.7	10.5	1.2	11.1	20.2	13.1	13.8	11.5	26.1	10.4	14.3	11.6

**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	7/10	8/10	9/10	10/10	11/10	12/10
Total number of reported airway obstructions or choking incidents at all facilities (Type 1 & 2):	3	8	6	6	4	8
Total number of AWOL's & UA's all facilities:	34	49	43	48	30	29
Total number of falls (Type 1 & 2) at all facilities:	204	199	178 (-)	186	194	170
Total number of reported falls involving consumers age 65 or older:	43	44	38	43	48	46
Total number of reported falls involving consumers age 75 or older:	15	14	8	19	11	9
Total number of reported fire setting events:	0	0	0	0	1	2
Total number of reported incidents involving a bone fracture:	2	3	1	2	4	5
Total number of reported deaths for this report period:	2	8	3	4	4	1
Total number of reported incidents involving a burn or scald:	0	3	1	3	1	3
Total number of reported incidents involving a cut or laceration requiring sutures, steri-strips or glue:	9	14	5	5 (+)	10	3
Total number of reported incidents of patient-to-patient assault (see note below):	331	298	357 (+)	299	253	217
Total number of reported incidents of patient-to-staff assaults:	85	104 (+)	83 (+)	81	82	89
Total number of reported incidents involving alleged abuse:	13	18	9	9	7	10
Total percentage for the month of reported incidents involving no physical injury to the Patient:	67%	65%	67%	68.5%	61.1%	68.6%
Total incidents of physical restraint used for the month:	90	75	68	76	75	65
Total hours of physical restraint used for the month:	11.57	6.67	7.39	9.02	6.10	8.25
Incidents of mechanical restraint use for the month:	4	2	2	1	4	0
Total hours of mechanical restraint used for the month:	3.08	1.98	.73	.40	1.92	0
Total reported incidents involving the use of seclusion:	0	0	0	0	0	0
Total hours of seclusion used for the month:	0	0	0	0	0	0
Total number of reported incidents coded as Nonconsensual Sexual Activity:	6	6	4	0	0	1
Total number of reported incidents of attempted suicide:	1	2	3	2	0	0
Total number of reported incidents involving the threat or plan of suicide:	13	12	13	9	10	5
Total number of reported incidents of illicit drug use/possession:	2	9	1	3	1	3
Total number of medication errors:	36	34(-)	31 (+)	25 (+)	43	21
Total number of STAT medications administered for psychiatric indications:	1102	1061	971	891	862	958

***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

Primary Cat #	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Accident-Injury		4	2	5	3	2	5	21
Adverse Drug Reaction		1		3		1		5
Aggression		10	7	32	15	22	29	115
Airway Obstruction type 2 No Intervention		1	1	3		2		7
Alleged Nonconsensual Sexual Activity			1	5				6
Alleged Pt. Abuse				2		1	2	5
Assault, Pt./Pt		21	32	39	16	15	31	154
Assault, Pt./Staff		10	16	10	2	18	11	67
Assault: Patient/Other	2							2
AWOL/UA		1		4	3		3	11
AWOL-Attempt			3	1		1		5
AWOL-Late		1	2	1	1		1	6
Change in Medical Status-Stabilized				12	1	1		14
Change in Medical Status-Transferred		4	6	20	8	2	13	53
Charged with alleged crime on hospital grounds			3			2		5
Community Incident			2	1				3
Contraband Possession		2	3	7	2	4	5	23
Fall Type 1-Injury with treatment		8	7	6	13	7	13	54
Fall Type 2-No treatment needed	1	9	9	5	14	15	25	78
Family Concern		1			1		5	7
Fire Setting				1	1			2
Illicit Substance Use/Possession			2		1			3
Indeterminate/Unconfirmed Cause of Injury		6	6	3	4		6	25
Medication Error		1	3	2			2	8
Missing Property	1	1	1		1	4		8
Other	1	2	1	4	1	12	13	34
Procedural Treatment Error				1				1
Property Damage		1	4	7	3	2		17
Seizure						1		1
Self-Injurious behavior		9	35	14	8	14	9	89
Sexual Behavior			2	3	3		3	11
Smoking Violation				10	15	7	7	39
Substantiated Nonconsensual Sexual Activity					1			1
Suicide threat/plan			2	1			2	5
Theft			1	2		3	4	10
Unknown						1		1
Unsubstantiated Patient Abuse			2					2
Totals	5	93	153	204	117	137	189	898

Table 3 - Primary Effect of Incidents in the Civil Hospitals

Primary effect	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Abrasion/scrape/scratch/hematoma		14	24	13	15	14	10	90
Allergic reaction				1				1
Bite-Human				1				1
Body System Illness				9		2	3	14
Bruise/contusion/discoloration		6	6	5	5	4	9	35
Burn/Scald				3				3
Cellulitis				2				2
Edema/swelling				8	2	1	1	12
Emesis			3				2	5
Erythema/redness		3	2	2	2	1	8	18
Fever					2		2	4
Fracture		2						2
Ingestion of foreign body				4	1		3	8
Laceration: NO sutures/staples/steri-strips	1			2	1			4
Laceration: with steristrips/glue		1						1
Laceration: with sutures/staples				1				1
Lethargy		1		1	1		1	4
Muscle pull/strain/sprain					1			1
No Injury/NA	3	58	111	129	80	111	137	629
Other		3		12	2		2	19
Pain, Specified	1	3	6	7	3	3	8	31
Respiratory Distress		2		2	1		2	7
Skin Irritation/Rash				2				2
Unconscious/Unresponsive			1		1	1	1	4
Totals	5	93	153	204	117	137	189	898

Table 4 - Cause and Effect of Incidents in the Forensic Units Category or Cause of Incidents in the Forensic Service by Unit

Primary Cat #	51A1	51A2	51B1	51B2	51C1	51C2	FB3	FB4	FC2	Count
Accident-Injury		1	1	1	1	1				5
Adverse Drug Reaction		1			1					2
Aggression	2	2	2	1	4	10				21
Assault, Pt./Pt	4	8	16	4	4	3			4	43
Assault, Pt./Staff	7	2	1	3	1					14
AWOL/UA				1						1
Change in Medical Status-Transferred					1	1				2
Fall Type 1-Injury with treatment	1					1				2
Fall Type 2-No treatment needed							1			1
Property Damage						1				1
Self-Injurious behavior					2	2		1	1	6
Totals	14	14	20	10	14	19	1	1	5	98

Table 5 - Effect of Incidents in the Forensic Service by Unit

EFFECT	51A1	51A2	51B1	51C1	51C2	51B2	FB3	FB4	FC2	Count
Abrasion/scrape/scratch/hematoma				1	3	1				5
Bruise/contusion/discoloration		1	1							2
Edema/swelling		1								1
Epistaxis			1							1
Ingestion of foreign body									1	1
Laceration: NO sutures/staples/steri-strips	2	3	1		3					9
No Injury/NA	10	9	15	11	11	9	1	1	4	71
Other			1	1						2
Pain, Specified	2		1	1	1					5
Unconscious/Unresponsive					1					1
Totals	14	14	20	14	19	10	1	1	5	98

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

Cause	3A	3B	5A	6A	6B	Count
Accident-Injury	5	3	2	2		12
Aggression	2	3	1		3	9
Airway Obstruction type 2 No Intervention			1			1
Assault, Pt./Pt	3	10	5			18
Assault, Pt./Staff		3	2		1	6
Change in Medical Status-Stabilized	1	2			1	4
Change in Medical Status-Transferred		3	1	1	2	7
Fall Type 1-Injury with treatment	1	9	3	1		14
Fall Type 2-No treatment needed	2	6	4		2	14
Medication Error	2	1	2	5	2	12
Other	1	9	1	1	3	15
Procedural Treatment Error		1				1
Property Damage			1	1		2
Self-Injurious behavior				2		2
Smoking Violation			2			2
Totals	17	50	25	13	14	119

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

EFFECT	3A	3B	5A	6A	6B	Count
Abrasion/scrape/scratch/hematoma	4	5	4	4		17
Body System Illness		1			1	2
Bruise/contusion/discoloration	3	8		2	1	14
Cellulitis		1				1
Death					1	1
Edema/swelling		2				2
Epistaxis		1				1
Fever			1			1
Fracture		1	1			2
Laceration: NO sutures/staples/steri-strips	2	3	2			7
Laceration: with steristrips/glue		1				1
No Injury/NA	8	27	17	6	10	68
Pain, Specified				1		1
Respiratory Distress					1	1
Totals	17	50	25	13	14	119

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	2	2
Assault, Pt./Pt	2	2
Assault, Pt./Staff	1	1
Contraband Possession	1	1
Sexual Behavior	2	2
Totals	10	10

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

Primary effect	TOR	Count
Abrasion/scrape/scratch/hematoma	1	1
Edema/swelling	1	1
Laceration: NO sutures/staples/steri-strips	3	3
No Injury/NA	5	5
Totals	10	10

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).

Table 10 - Tobacco Users on Last Day of Month Civil and Long Term Care

Date	Tobacco Users	CLA	DAN	NOR	TOR	WAR	WER	Civil Total	LTC	System Total
Mar-10	Total Users	134	83	153	113	87	120	690	17	795
	% of Census	61%	50%	68%	54%	54%	55%	57%	13%	55%
Jun-10	Total Users	142	82	150	106	98	169	747	17	764
	% of Census	64%	47%	66%	53%	59%	65%	56%	13%	52%
Sep-10	Total Users	138	80	156	116	91	150	731	21	752
	% of Census	63%	45%	69%	57%	54%	57%	56%	16%	52%
Dec-10	Total Users	139	78	142	108	76	148	691	17	708
	Census	63%	45%	63%	53%	47%	55%	55%	13%	51%

Table 11 - Diabetes

M/Year	Civil Hospitals							Forensic Centers			A21	LTC	Sys
	Cla	Dan	Nor	Tor	War	Wer	Ttl	Nor	Tor	Total	A21	SMRC	
Dec 10 Patient Census	220	175	227	205	161	267	1255	130	66	196	27	131	1609
Count	34	31	58	49	35	61	268	11	7	18	0	53	339
% w/ Diabetes	15%	18%	26%	24%	22%	23%	21%	8%	11%	9%	0%	40%	21%

Table 12 - Reasons for Hospitalizations as the Result of an Incident, All Levels of Care

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.

Primary effect	CLA	DAN	NOR	SMO	TOR	WAR	WER	Count
Body System Illness			7	2		1	3	13
Edema/swelling			2	1				3
Emesis		1					1	2
Fever					1	2	2	5
Fracture					1	1		2
Ingestion of foreign body			3				3	6
Laceration: NO sutures/staples/steri-strips			2					2
Laceration: with sutures/staples			1					1
Lethargy	1		1		1		1	4
Muscle pull/strain/sprain					1			1
No Injury/NA	1		3				1	5
Other	2		5		1		1	9
Pain, Specified		4	2			1	1	8
Respiratory Distress	2		1	1	1		2	7
Unconscious/Unresponsive			1		1	1	1	4
Totals	6	5	28	6	7	4	16	72

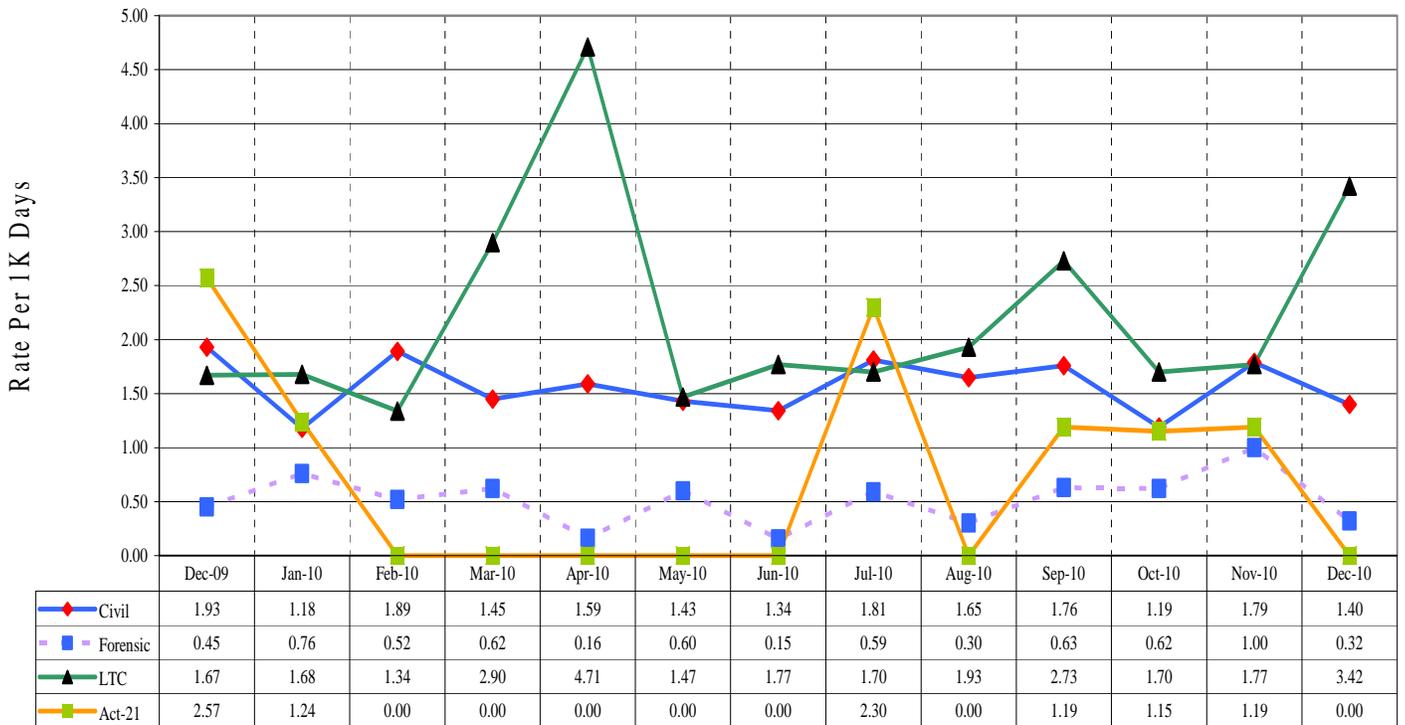
Falls

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

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

M/Year	Civil Hospital								Forensic Center			A21	LTC	Sys Avg
	All	Cla	Dan	Nor	Tor	War	Wer	Ttl	Nor	Tor	Total	A21	SMRC	
Dec-09	0.56	1.78	1.66	1.75	1.91	2.17	3.44	1.93	0.25	1.12	0.45	2.57	1.67	1.70
Jan-10	0.56	1.32	1.27	0.94	2.54	0.61	0.89	1.18	0.50	1.66	0.76	1.24	1.68	1.17
Feb-10	3.21	1.80	2.06	0.47	2.83	1.38	1.82	1.89	0.00	1.34	0.52	0.00	1.34	1.66
Mar-10	1.01	2.81	0.56	0.85	3.02	0.62	0.89	1.45	0.00	1.80	0.62	0.00	2.90	1.63
Apr-10	1.73	1.66	1.98	1.92	1.69	0.83	1.24	1.59	0.00	0.00	0.16	0.00	4.71	1.63
May-10	0.81	1.46	1.32	0.87	2.13	1.42	1.76	1.43	0.49	1.11	0.60	0.00	1.47	1.59
Jun-10	0.75	1.81	1.55	1.63	1.75	0.41	1.04	1.34	0.00	0.56	0.15	0.00	1.77	1.65
Jul-10	3.19	2.33	1.47	0.87	3.46	1.37	0.99	1.81	0.74	0.00	0.59	2.30	1.70	1.65
Aug-10	0.51	1.75	2.18	0.86	3.27	0.59	1.58	1.65	0.49	0.00	0.30	0.00	1.93	1.47
Sep-10	1.22	1.66	1.90	1.32	3.07	0.99	1.76	1.76	1.01	0.00	0.63	1.19	2.73	1.67
Oct-10	0.65	0.89	1.66	0.71	2.62	0.78	0.85	1.19	0.73	0.47	0.62	1.15	1.70	1.14
Nov-10	1.00	0.91	1.72	2.21	2.21	0.78	2.61	1.79	1.54	0.00	1.00	1.19	1.77	1.66
Dec-10		1.18	1.29	0.88	2.15	1.39	1.56	1.40	0.49	0.00	0.32	0.00	3.42	1.41

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	Total	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10
NOR	0.50	0.50											
TOR	1.10		0.60			0.50							
WAR	2.55	2.00		0.05		0.50							

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

ABV	Total	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10
NOR	1	1	0	0	0	0	0	0	0	0	0	0	0
TOR	2	0	1	0	0	1	0	0	0	0	0	0	0
WAR	3	1	0	1	0	1	0	0	0	0	0	0	0

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 In Month

No Reported Use in December 2010

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

ABV	Total	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10
CLA	0.65	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.25	0.00	0.00	0.00
NOR	26.95	5.50	8.53	1.47	0.00	1.08	5.00	1.75	0.92	0.48	0.00	2.22	0.00
WAR	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.20	0.00
WER	7.73	0.00	0.25	1.42	2.00	1.92	0.00	0.75	1.00	0.00	0.40	0.00	0.00

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

ABV	Total	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10
CLA	2	0	0	0	0	0	1	0	0	1	0	0	0
NOR	24	6	7	2	0	2	1	1	1	1	0	3	0
WAR	3	0	0	0	0	0	0	2	0	0	0	1	0
WER	13	0	1	2	3	4	0	1	1	0	1	0	0

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

ABV	WARD	Total	ABV	WARD	Total
DAN	312	2.35	NOR	51C1	0.07
WAR	3SW	2.25	NOR	10A2	0.03
CLA	7	0.87	NOR	51B2	0.03
TOR	FB4	0.75	TOR	062	0.03
TOR	014	0.62	NOR	09AF	0.02
CLA	3	0.33	WER	35-4	0.02
WER	37-2	0.27	WER	34-3	0.01
CLA	9	0.17	NOR	51B1	0.01
NOR	51A2	0.17	WER	35-3	0.00
NOR	51A1	0.11	WER	34-4	0.00
CLA	6	0.08	NOR	09CF	0.00
TOR	022	0.08			

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

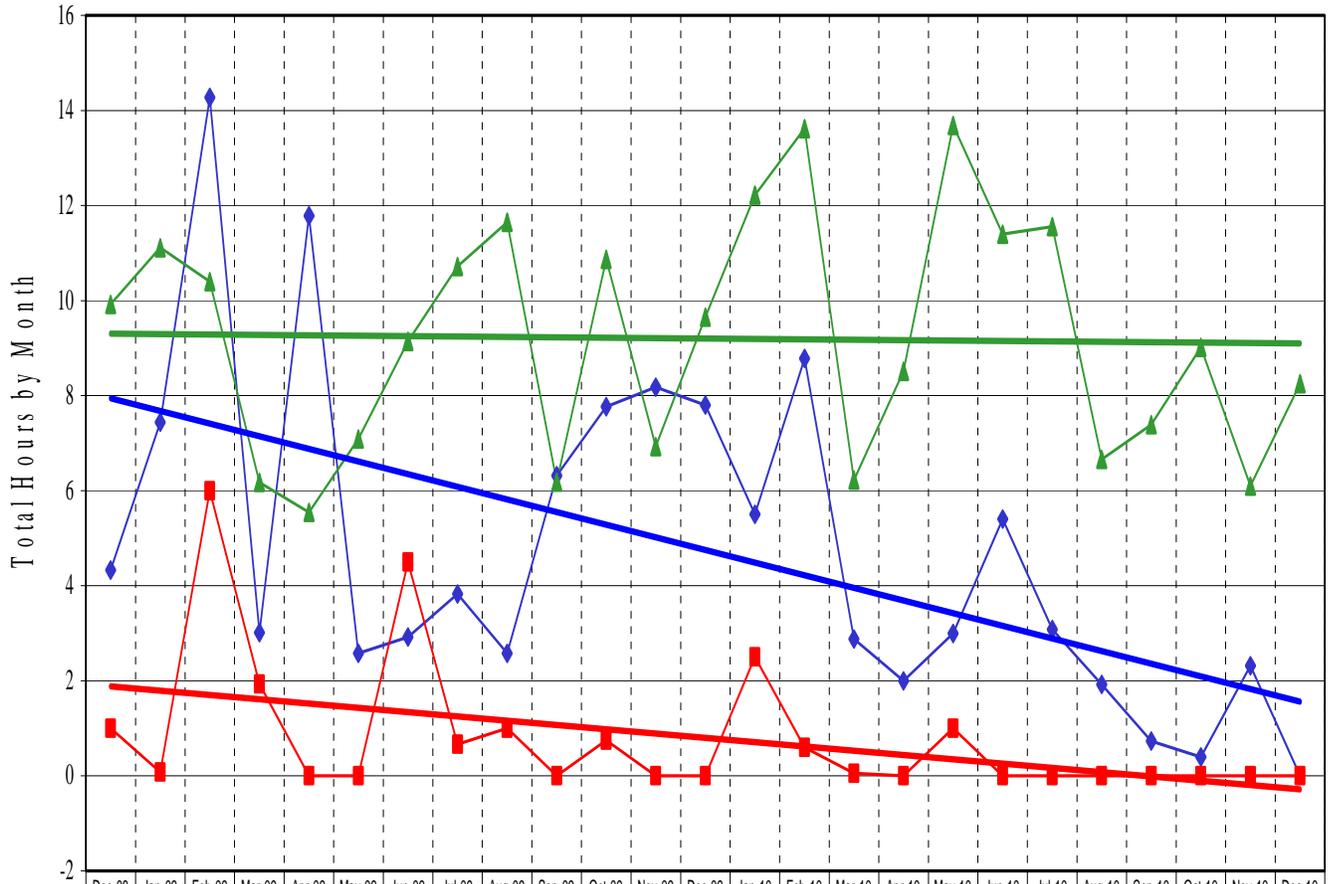
ABV	Total	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10
ALL	2.31	0.72	0.77	0.09	0.00	0.04	0.28	0.03	0.00	0.03	0.33	0.00	0.00
CLA	8.83	0.84	0.92	0.67	0.45	1.06	1.19	0.85	0.31	0.29	0.18	0.62	1.44
DAN	14.08	1.86	1.26	0.55	0.14	0.95	1.15	0.26	0.52	2.17	1.92	0.94	2.35
NOR	17.43	5.00	4.99	0.83	0.98	0.71	1.13	0.67	0.86	0.38	0.59	0.85	0.43
TOR	47.27	3.50	4.54	2.93	2.08	6.01	6.37	8.48	2.38	3.38	4.09	2.02	1.48
WAR	9.12	0.10	0.30	0.41	2.43	0.17	0.35	0.13	0.38	0.75	0.00	1.85	2.25
WER	17.28	0.20	0.84	1.22	2.43	4.85	1.02	1.14	2.26	0.42	1.91	0.71	0.30

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

ABV	Total	Jan_10	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10
ALL	21	6	4	2	0	2	2	2	0	2	1	0	0
CLA	128	10	16	10	10	12	16	10	9	7	7	11	10
DAN	128	9	7	6	5	14	10	5	7	14	18	16	17
NOR	245	33	32	14	30	12	25	20	19	9	14	18	19
TOR	267	32	15	22	13	27	40	42	16	20	18	14	8
WAR	47	3	4	7	7	3	4	2	2	3	0	8	4
WER	188	8	14	21	20	23	15	9	24	14	18	15	7

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.



◆ Mechanical Restraint
 ■ Seclusion
 ▲ Physical Restraint
 — Linear (Mechanical Restraint)
 — Linear (Seclusion)
 — Linear (Physical Restraint)

Psychiatric Use of STAT Medications

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. 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-10								Forensic			S RTP	Sys.
Unscheduled Psych Meds	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	Total	S RTP	Total
Number of Unique Patients	32	36	40	43	38	38	227	32	19	51	5	283
% of Census	14.5%	20.6%	17.6%	21.0%	23.6%	14.2%	18.1%	24.6%	28.8%	26.0%	18.5%	19.1%
Number of Early Med Events	0	3	0	4	25	7	39	0	1	1	0	40
Number of STAT meds	113	126	132	185	166	83	805	79	68	147	6	958
Rate per 1Kdays	16.60	23.25	19.38	30.54	32.86	9.98	20.93	19.31	32.55	23.79	6.98	21.05

Table 23 - STAT Use of Multiple Medications for Psychiatric Indications – December 2010

Civil Section	CLA	DAN	NOR	TOR	WER	Total	Forensic Section	NOR	Total
Benzotropine/Haloperidol				1		1	Haloperidol/Clonazepam	1	1
Chlorpromazine/Hydroxyzine			1			1	Haloperidol/Lorazepam	1	1
Clonazepam/Olanzapine	1					1	Lorazepam/Chlorpromazine	1	1
Divalproex/Haloperidol					1	1	Totals	3	3
Fluphenazine/Lorazepam				1		1			
Haloperidol/Benadryl		1				1			
Haloperidol/Hydroxyzine			1			1			
Haloperidol/Lorazepam	20		5			25			
Lorazepam/Chloral Hydrate					1	1			
Lorazepam/Chlorpromazine	8		2	1		11			
Lorazepam/Olanzapine	2				2	4			
Lorazepam/Quetiapine					1	1			
Olanzapine/Chlorpromazine	1			1		2			
Totals	32	1	9	4	5	51			

Table 24 - Psychiatric Use of STAT Medication by Hospital & Unit for December 2010

ABV	UNIT	Count									
WAR	3SW	103	CLA	6	18	DAN	310	10	DAN	311	4
DAN	312	78	DAN	212	17	DAN	210	10	TOR	FC1	4
TOR	022	50	WER	35-3	17	TOR	024	10	WAR	2NM	4
CLA	7	50	TOR	012	16	CLA	5	10	NOR	09CF	4
TOR	023	47	WAR	3NM	16	NOR	51C1	9	CLA	1	3
NOR	10A2	44	WAR	2SW	15	WAR	IBE	9	CLA	2	3
TOR	014	43	WER	37-2	14	WER	34-4	9	WER	37-3	3
NOR	09AF	42	WER	37-1	13	TOR	021	7	TOR	FB3	2
TOR	FB4	39	WER	35-4	13	WER	35-2	7	WER	34-2	2
NOR	01A1	28	NOR	51B1	13	DAN	211	7	TOR	011	1
CLA	3	28	NOR	51B2	13	NOR	09AR	6	NOR	01C1	1
TOR	FC2	23	NOR	51A1	12	NOR	10A1	6	CLA	4	1
NOR	51C2	20	NOR	51A2	12	TOR	062	5	TOR	064	1
WAR	3IM	19	TOR	013	11	WER	34-3	5	NOR	10C1	1

Table 25 - Route of STAT Medications for Psychiatric Reasons for Month

Civil								Forensic			S RTP
Route	CLA	DAN	NOR	TOR	WAR	WER	Cnt	NOR	TOR	Cnt	S RTP
IM	44	53	76	96	101	19	389	46	38	84	1
Oral	69	73	56	89	65	64	416	33	30	63	5
Totals	113	126	132	185	166	83	805	79	68	147	6

Table 26 Psychiatric Use of STAT Medications by Shift for Month

Civil								
ABV	D	E	N	Count				
CLA	59	45	9	113	Forensic			
DAN	48	64	14	126	D	E	N	Count
NOR	65	59	8	132	30	44	5	79
TOR	55	117	13	185	26	36	6	68
WAR	57	76	33	166	S RTP			
WER	40	35	8	83	2	4	0	6
Totals	324	396	85	805				

Table 27 - Psychiatric Use of STAT Medications per 1,000 Days-of-Care

Month	Civil								Forensic				S RTP
	Cla	Dan	Nor	Tor	War	Wer	Ave.	Std Dev	Nor	Tor	Ave.	Std Dev	S RTP
Dec-09	13.95	24.02	29.67	34.07	23.88	27.06	25.44	6.80	18.36	15.70	17.03	1.88	30.85
Jan-10	10.15	20.94	36.72	40.68	23.07	12.49	24.01	12.45	14.25	34.31	24.28	14.18	74.63
Feb-10	13.38	27.13	30.29	40.98	30.25	21.83	27.31	9.26	14.84	6.04	10.44	6.22	23.72
Mar-10	14.64	21.20	27.79	42.42	32.27	24.54	27.14	9.58	17.33	16.79	17.06	0.38	57.71
Apr-10	10.88	19.20	23.79	25.71	27.26	17.79	20.77	6.08	17.64	24.29	20.97	4.70	19.36
May-10	13.83	26.27	20.19	27.31	38.39	20.89	24.48	8.36	11.32	35.58	23.45	17.15	22.16
Jun-10	16.16	20.49	26.00	25.07	28.17	17.85	22.29	4.83	11.38	48.60	29.99	26.32	22.16
Jul-10	16.00	17.28	20.45	39.27	48.60	8.90	25.08	15.37	15.27	41.54	28.41	18.58	22.64
Aug-10	15.48	17.05	14.81	30.24	49.94	14.61	23.69	14.18	19.01	39.20	29.11	14.28	22.01
Sep-10	11.17	17.70	14.11	31.92	52.07	11.43	23.07	16.16	15.93	30.19	23.06	10.08	20.92
Oct-10	8.44	22.34	15.44	28.19	31.81	17.90	20.69	8.58	8.01	29.73	18.87	15.36	18.74
Nov-10	9.90	21.64	16.07	27.22	40.89	12.29	21.33	11.46	15.62	17.60	16.61	1.40	20.24
Dec-10	16.60	23.25	19.38	30.54	32.86	9.98	22.10	8.64	19.31	32.55	25.93	9.36	6.98

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								Forensic			SRTP	Sys
	Cl	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	Cnt	Tor	Total
Mar-10	145	99	114	88	83	93	622	35	17	52	3	677
Jun-10	150	95	119	89	84	166	703	33	17	50	3	756
Sep-10	154	95	124	89	94	161	717	28	22	50	3	770
Dec-10	147	96	127	92	95	132	689	28	23	51	3	743

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								Forensic			SRTP	Sys
	Cl	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	Cnt	Tor	Total
Mar-10	17	34	23	50	55	53	232	4	8	12	0	244
Jun-10	16	33	11	56	52	51	219	5	6	11	0	230
Sep-10	20	33	15	45	47	53	213	6	8	14	0	227
Dec-10	18	42	16	57	46	48	227	4	7	11	0	238

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								Forensic			SRTP	Sys
	Cl	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	Cnt	Tor	Total
Mar-10	68	61	79	41	37	74	360	20	18	38	0	398
Jun-10	55	65	109	47	39	99	414	20	26	46	0	460
Sep-10	58	55	116	43	41	100	413	27	21	48	0	461
Dec-10	53	61	116	49	36	109	424	29	16	45	0	469

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

ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt
NOR	51B1	16	WER	34-2	5	TOR	062	2
NOR	10A2	15	NOR	10A1	4	NOR	10C1	2
DAN	310	13	CLA	2	4	CLA	6	2
DAN	212	12	DAN	312	4	CLA	4	2
WAR	3NM	10	NOR	51A1	4	WER	34-3	2
SMO	3B	10	CLA	3	4	WER	35-3	2
CLA	7	9	NOR	09CF	4	DAN	210	2
NOR	09AR	8	TOR	FC2	4	WER	37-3	2
WER	37-2	8	WER	35-4	4	WER	37-1	2
NOR	51A2	8	NOR	51B2	4	NOR	01A1	1
TOR	023	8	NOR	51C1	4	WAR	2NM	1
WER	35-2	6	WAR	3IM	4	DAN	311	1
TOR	022	6	SMO	3A	3			
SMO	5A	5	NOR	51C2	3			
NOR	09AF	5	TOR	024	2			

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

Pt.-to-Pt. Assault w/ any Injury	Civil								Forensic			SRTP
	All	Cl	Dan	Nor	Tor	War	Wer	Tot.	Nor	Tor	Tot.	
Dec-09	1.12	0.89	1.66	3.22	1.91	1.58	0.90	1.65	3.46	0.56	2.41	0.00
Jan-10	3.00	1.18	2.18	3.22	0.48	0.61	1.19	1.72	1.25	0.00	0.91	1.24
Feb-10	1.50	0.82	0.62	1.58	1.77	1.60	0.99	1.26	2.85	0.67	1.92	0.00
Mar-10	2.42	1.18	0.74	2.40	3.50	0.41	1.34	1.76	2.67	0.60	1.86	0.00
Apr-10	2.38	1.36	0.59	2.07	2.03	0.83	1.08	1.49	2.04	1.25	2.07	0.00
May-10	1.36	1.02	1.13	2.32	2.29	1.22	1.76	1.63	1.23	0.00	0.75	0.00
Jun-10	1.12	0.91	1.16	2.53	1.23	1.02	1.04	1.32	2.02	0.56	1.53	0.00
Jul-10	1.99	1.60	0.37	2.32	2.14	0.98	0.99	1.46	3.94	1.00	2.78	0.00
Aug-10	2.05	0.44	0.73	2.88	2.13	0.59	0.97	1.35	2.72	1.03	2.10	1.32
Sep-10	1.22	1.81	1.71	1.47	1.37	0.79	2.14	1.58	2.78	2.56	2.51	0.00
Oct-10	0.00	1.18	0.92	3.56	1.31	1.16	0.60	1.42	2.43	0.94	1.87	1.15
Nov-10	0.00	1.83	1.72	1.92	1.36	0.61	0.37	1.28	2.82	0.48	2.00	1.19
Dec-10		0.88	1.29	1.91	0.50	0.99	0.84	1.07	2.20	0.00	1.46	2.33

Table 33 - Patient-to-Staff Assault Events by Unit, All Levels of Care

ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt
WAR	3SW	14	CLA	6	2	NOR	09AR	1
NOR	51A1	7	DAN	311	2	TOR	014	1
DAN	312	7	SMO	5A	2	NOR	10A2	1
NOR	09CF	6	WAR	3NM	2	SMO	6B	1
WER	35-3	4	TOR	062	1	NOR	51C1	1
CLA	7	4	CLA	4	1	WAR	3IM	1
WER	34-3	4	WER	37-2	1			
SMO	3B	3	WER	35-2	1			
NOR	51B2	3	CLA	9	1			
DAN	212	2	WAR	IBE	1			
CLA	3	2	DAN	211	1			
NOR	01A1	2	NOR	51B1	1			
NOR	51A2	2	WAR	2NM	1			
DAN	310	2	WER	37-3	1			
DAN	210	2	TOR	022	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	Tot.	Nor	Tor	Tot.	S RTP
Dec-09	1.31	0.30	1.48	0.81	0.77	0.20	0.60	0.76	1.73	0.00	1.05	0.00
Jan-10	2.62	1.03	0.55	2.81	1.75	1.01	0.74	1.53	3.50	3.32	3.18	3.73
Feb-10	0.43	1.14	0.41	0.79	0.53	0.00	0.66	0.60	1.43	0.00	0.87	0.58
Mar-10	0.81	0.44	0.56	0.28	0.48	0.41	2.23	0.76	0.50	0.00	0.31	0.00
Apr-10	1.73	0.76	0.40	0.30	0.68	0.00	0.62	0.62	0.51	0.62	0.48	1.23
May-10	0.81	0.00	0.94	0.00	0.00	0.00	1.09	0.40	0.00	1.67	0.45	3.57
Jun-10	0.37	0.15	0.19	1.19	0.35	0.00	2.35	0.79	0.51	1.11	0.61	1.19
Jul-10	0.00	0.44	0.37	0.73	0.16	1.18	0.99	0.61	0.25	0.00	0.15	1.15
Aug-10	0.51	0.00	0.91	0.29	0.33	0.99	0.97	0.57	0.99	0.00	0.60	1.15
Sep-10	0.00	0.30	0.57	0.15	0.68	0.40	1.13	0.54	0.51	0.00	0.31	1.19
Oct-10	1.31	0.00	0.92	0.86	0.66	0.00	1.09	0.65	0.49	0.47	0.47	0.00
Nov-10	0.00	0.15	1.34	0.29	0.34	1.02	0.87	0.64	0.51	0.00	0.33	0.00
Dec-10		0.44	1.29	0.59	0.17	0.79	0.12	0.52	1.22	0.00	0.81	0.00