



pennsylvania

DEPARTMENT OF PUBLIC WELFARE

OFFICE OF MENTAL HEALTH AND
SUBSTANCE ABUSE SERVICES

State Hospital Risk Management Summary Report For February 2011

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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.

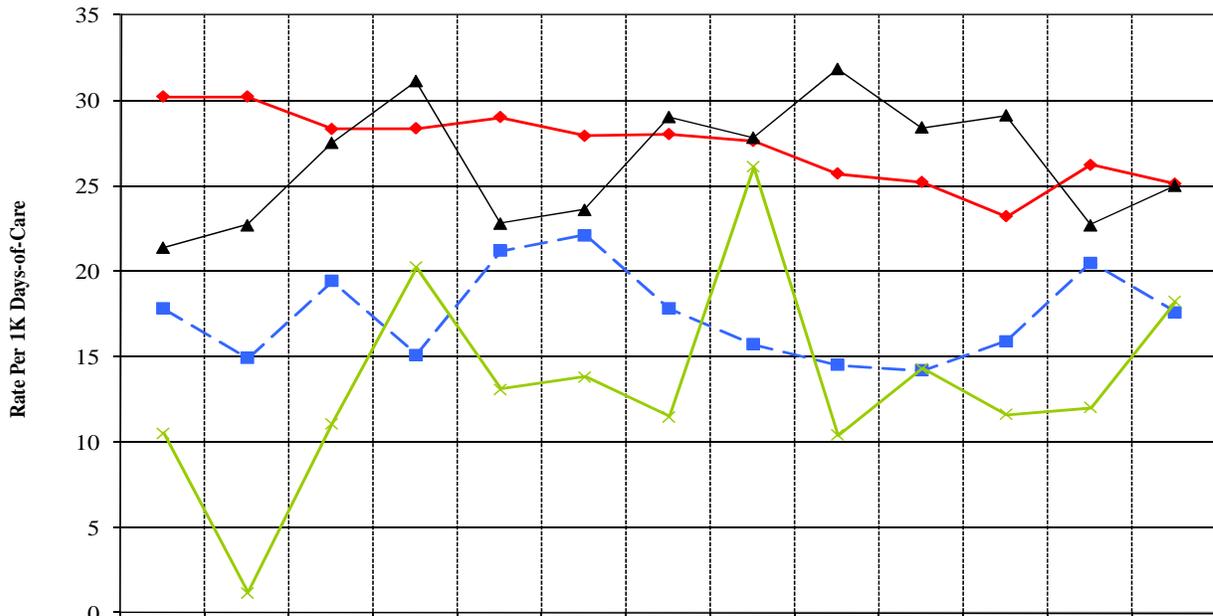
During **February** a total of 1087 incident reports were completed by the state hospital system. Additional records addressing specific categories from the previous month were included on page 4 of this report. Other tables in this report may include additional NRI events regarding these incident reports. The following is a breakdown of incidents by individual facility and type of care:

Table 1 - Number of Incident Reports

Civil	Census 2/28/11	Days Provided	Incidents	Per 1000 Days-of-Care
Clarks Summit	218	6141	91	14.8
Danville	170	4841	105	21.7
Norristown	224	6240	175	28.0
Torrance	205	5546	149	26.9
Warren	168	4658	127	27.3
Wernersville	271	7561	230	30.4
Total Civil	1256	34987	877	25.1
Forensic				
Norristown	133	3681	61	16.6
Torrance	79	2130	41	19.2
Total Forensic	212	5811	102	17.6
Act 21				
Act 21	28	768	14	18.2
Total Act 21	28	768	14	18.2
Long Term Care				
South Mountain	133	3753	94	25.0
Total L. T. C.	133	3753	94	25.0
Total	1629	45319	1087	24.0

* Based on data appended on 03/21/2011

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



	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11
—◆— Civil	30.2	30.2	28.3	28.3	29	27.9	28	27.6	25.7	25.2	23.2	26.2	25.1
- - -■- - Forensic	17.8	14.9	19.4	15.1	21.2	22.1	17.8	15.7	14.5	14.2	15.9	20.5	17.6
—▲— Long Term Care	21.4	22.7	27.5	31.1	22.8	23.6	29	27.8	31.8	28.4	29.1	22.7	25.0
—×— Act 21	10.5	1.2	11.1	20.2	13.1	13.8	11.5	26.1	10.4	14.3	11.6	12.0	18.2

**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	9/10	10/10	11/10	12/10	1/11	2/11
Total number of reported airway obstructions or choking incidents at all facilities (Type 1 & 2):	6	6	4	8	8	5
Total number of AWOL's & UA's all facilities:	43	48	30	29	14	31
Total number of falls (Type 1 & 2) at all facilities:	178 (-)	186	194	170	191	140
Total number of reported falls involving consumers age 65 or older:	38	43	48	46	55	37
Total number of reported falls involving consumers age 75 or older:	8	19	11	9	19	12
Total number of reported fire setting events:	0	0	1	2	0	0
Total number of reported incidents involving a bone fracture:	1	2	4	5	3	3
Total number of reported deaths for this report period:	3	4	4	1	8	4
Total number of reported incidents involving a burn or scald:	1	3	1	3	0	1
Total number of reported incidents involving a cut or laceration requiring sutures, steri-strips or glue:	5	5 (+)	10	3	11	9
Total number of reported incidents of patient-to-patient assault (see note below):	357 (+)	299	253	217	320	221
Total number of reported incidents of patient-to-staff assaults:	83 (+)	81	82	89	77	77
Total number of reported incidents involving alleged abuse:	9	9	7	10	6	11
Total percentage for the month of reported incidents involving no physical injury to the Patient:	67%	68.5%	61.1%	68.6%	66.9%	66.2%
Total incidents of physical restraint used for the month:	68	76	75	65	63	61
Total hours of physical restraint used for the month:	7.39	9.02	6.10	8.25	7.67	11.26
Incidents of mechanical restraint use for the month:	2	1	4	0	8	3
Total hours of mechanical restraint used for the month:	.73	.40	1.92	0	7.85	3.5
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:	4	0	0	1	2	4
Total number of reported incidents of attempted suicide:	3	2	0	0	4	1
Total number of reported incidents involving the threat or plan of suicide:	13	9	10	5	9	11
Total number of reported incidents of illicit drug use/possession:	1	3	1	3	0	3
Total number of medication errors:	31 (+)	25 (+)	43	21	29	35
Total number of STAT medications administered for psychiatric indications:	971	891	862	958	828	848

***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 #	CLA	DAN	NOR	TOR	WAR	WER	Count
Accident-Injury	3	8	3	6	2	5	27
Adverse Drug Reaction			1				1
Aggression	6	8	14	20	27	24	99
Airway Obstruction type 1 Intervention					1		1
Airway Obstruction type 2 No Intervention	1				1	1	3
Alleged Nonconsensual Sexual Activity			4				4
Alleged Pt. Abuse	3	1	4		1		9
Assault, Pt./Pt	20	23	51	21	12	43	170
Assault, Pt./Staff	3	15	14	6	3	22	63
AWOL/UA			1	1	2	13	17
AWOL-Attempt		2		2	2		6
AWOL-Late	1	1	1		4	1	8
Change in Medical Status-Stabilized	3		3				6
Change in Medical Status-Transferred	8	1	17	11	1	11	49
Charged post admit/crime committed prior to admit	1						1
Communications Sys. Misuse	1	1	2		1		5
Community Incident		1		2			3
Contraband Possession		1	1		3	2	7
Fall Type 1-Injury with treatment	11	2	8	9	4	9	43
Fall Type 2-No treatment needed	9	6	6	14	14	21	70
Family Concern				2		1	3
Illicit Substance Use/Possession					3		3
Indeterminate/Unconfirmed Cause of Injury	9	3	6	5		2	25
Medication Error		4	4			8	16
Missing Property	3	1			5	1	10
Other	5	1	9	12	16	21	64
Procedural Treatment Error		1				2	3
Property Damage		1	2		1	1	5
Seizure				2		2	4
Self-Injurious behavior	2	22	8	21	20	16	89
Sexual Behavior	2		1	7	1	17	28
Smoking Violation			11	5			16
Substantiated Nonconsensual Sexual Activity				2			2
Suicide Attempt		1					1
Suicide threat/plan		1	2	1	1	4	9
Theft			2		1	2	5
Unknown					1		1
Unsubstantiated Patient Abuse						1	1
Totals	91	105	175	149	127	230	877

Table 3 - Primary Effect of Incidents in the Civil Hospitals

Primary Effect	CLA	DAN	NOR	TOR	WAR	WER	Count
Abrasion/scrape/scratch/hematoma	7	7	16	20	12	19	81
Allergic reaction			1				1
Bite-Human			1	1		1	3
Blister	2	2	2				6
Body System Illness	2		10	3		3	18
Bruise/contusion/discoloration	12	7	5	7	4	4	39
Burn/Scald				1			1
Damaged or lost tooth				1			1
Death			1				1
Edema/swelling	1	1	3	3		3	11
Epistaxis	2	2		1		1	6
Erythema/redness			1	2		3	6
Fever	2			1		2	5
Fracture	2						2
Ingestion of foreign body		1		3		2	6
Laceration: NO sutures/staples/steri-strips	3	2	5	3	7	1	21
Laceration: with steristrips/glue	2		1				3
Laceration: with sutures/staples	1		1	1	1	1	5
Lethargy	1		2			1	4
No Injury/NA	48	79	115	83	100	173	598
Other	2	1	4	7	1	4	19
Pain unspecified				1		1	2
Pain, Specified	4	3	3	7		7	24
Puncture/stab wound					1		1
Respiratory Distress			2		1	1	4
Seizure				3		2	5
Syncopal episode			1			1	2
Unconscious/Unresponsive			1	1			2
Totals	91	105	175	149	127	230	877

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	FC1	FC2	Count
Accident-Injury	1							1			2
Aggression			3	3		2		8	2	1	19
Alleged Pt. Abuse								2			2
Assault, Pt./Pt	4	2	2	4	4	10		1	4	6	37
Assault, Pt./Staff	5					1		1	1		8
Change in Medical Status-Stabilized	2			1							3
Change in Medical Status-Transferred	2			1	1	1	1		1		7
Fall Type 1-Injury with treatment	1						1	3			5
Indeterminate/Unconfirmed Cause of Injury					1	2					3
Medication Error	1			1							2
Other					1	1					2
Property Damage	1	1				1					3
Seizure							1				1
Self-Injurious behavior								4		1	5
Sexual Behavior				1						2	3
Totals	17	3	5	11	7	18	3	20	8	10	102

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

EFFECT	51A1	51A2	51B1	51C1	51C2	51B2	FB3	FB4	FC1	FC2	Count
Abrasion/scrape/scratch/hematoma	1		1		1			2		2	7
Bite-Insect				1							1
Body System Illness	1										1
Bruise/contusion/discoloration	2				1	1		3			7
Edema/swelling				1	1			1			3
Emesis						1					1
Erythema/redness						1		1			2
Ingestion of foreign body										1	1
Laceration: NO sutures/staples/steri-strips							1	1	1		3
Lethargy							1				1
Muscle pull/strain/sprain	1										1
No Injury/NA	9	3	4	3	14	7		11	6	7	64
Other	2				1			1	1		5
Pain, Specified	1			2		1					4
Unconscious/Unresponsive							1				1
Totals	17	3	5	7	18	11	3	20	8	10	102

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

Cause	3A	3B	5A	6A	6B	Count
Accident-Injury	1	2		3	1	7
Aggression		2				2
Airway Obstruction type 2 No Intervention					1	1
Assault, Pt./Pt		4	4		2	10
Assault, Pt./Staff		5				5
Assault: Patient/Other		1				1
Change in Medical Status-Stabilized	1	2		2		5
Change in Medical Status-Transferred	3	1		3		7
Fall Type 1-Injury with treatment	3	3		1	1	8
Fall Type 2-No treatment needed		6	1		1	8
Medication Error	9		1	6	1	17
Near Fall	1					1
Other	1	3	1		7	12
Procedural Treatment Error					2	2
Property Damage		3	1			4
Self-Injurious behavior				2		2
Suicide threat/plan				1	1	2
Totals	19	32	8	18	17	94

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

EFFECT	3A	3B	5A	6A	6B	Count
Abrasion/scrape/scratch/hematoma	1	3	1	4		9
Bruise/contusion/dyscoloration	2			1	1	4
Cellulitis		1				1
Death					2	2
Epistaxis		1				1
Erythema/redness			1			1
Fever	1					1
Fracture			1			1
Ingestion of foreign body				1		1
Laceration: NO sutures/staples/steri-strips		1				1
No Injury/NA	9	24	5	7	13	58
Other	2					2
Pain, Specified	1	1		2	1	5
Respiratory Distress	1	1		1		3
Seizure	2					2
Skin Irritation/Rash				1		1
Unconscious/Unresponsive				1		1
Totals	19	32	8	18	17	94

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	4	4
Aggression	3	3
Assault, Pt./Pt	2	2
Assault, Pt./Staff	1	1
Self-Injurious behavior	4	4
Totals	14	14

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

Primary Effect	TOR	Count
Abrasion/scrape/scratch/hematoma	4	4
Bite-Human	1	1
Edema/swelling	3	3
Laceration: with sutures/staples	1	1
No Injury/NA	4	4
Other	1	1
Totals	14	14

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
May-10	Total Users	141	77	151	111	93	143	716	5	721
	% of Census	64%	45%	67%	55%	60%	57%	54%	18%	53%
Aug-10	Total Users	139	81	136	97	91	155	699	23	722
	% of Census	63%	46%	60%	48%	55%	59%	53%	17%	50%
Nov-10	Total Users	135	78	145	103	73	153	687	17	704
	% of Census	61%	45%	64%	51%	44%	57%	55%	13%	51%
Feb-11	Total Users	129	68	131	111	85	150	674	18	692
	% of Census	59%	40%	58%	54%	51%	55%	54%	14%	50%

Table 11 - Diabetes

M/Year	Civil Hospitals							Forensic Centers			A21	LTC	System
	Cl	Dan	Nor	Tor	War	Wer	Ttl	Nor	Tor	Total	A21	SMRC	
Feb 11 Patient Census	218	170	224	205	168	271	1256	133	79	212	28	133	1629
Count	34	31	57	46	33	59	260	12	12	24	0	53	337
% w/ Diabetes	16%	18%	25%	22%	20%	22%	21%	9%	15%	11%	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	NOR	SMO	TOR	WAR	WER	Count
Body System Illness	2	9		3		3	17
Bruise/contusion/discoloration		1		1			2
Death		1					1
Edema/swelling				1			1
Fever	2		1			2	5
Fracture				1			1
Ingestion of foreign body				1	2	1	4
Laceration: NO sutures/staples/steri-strips		1		1			2
Laceration: with sutures/staples		1		1			2
Lethargy	1	2		1		1	5
No Injury/NA				3			3
Other	1	4		2	1	1	9
Pain, Specified	1	4	1	2		3	11
Respiratory Distress		1	2		1	1	5
Seizure				1	2		3
Syncopal episode		1				1	2
Unconscious/Unresponsive		1	1	2	1		5
Totals	7	26	8	21	3	13	78

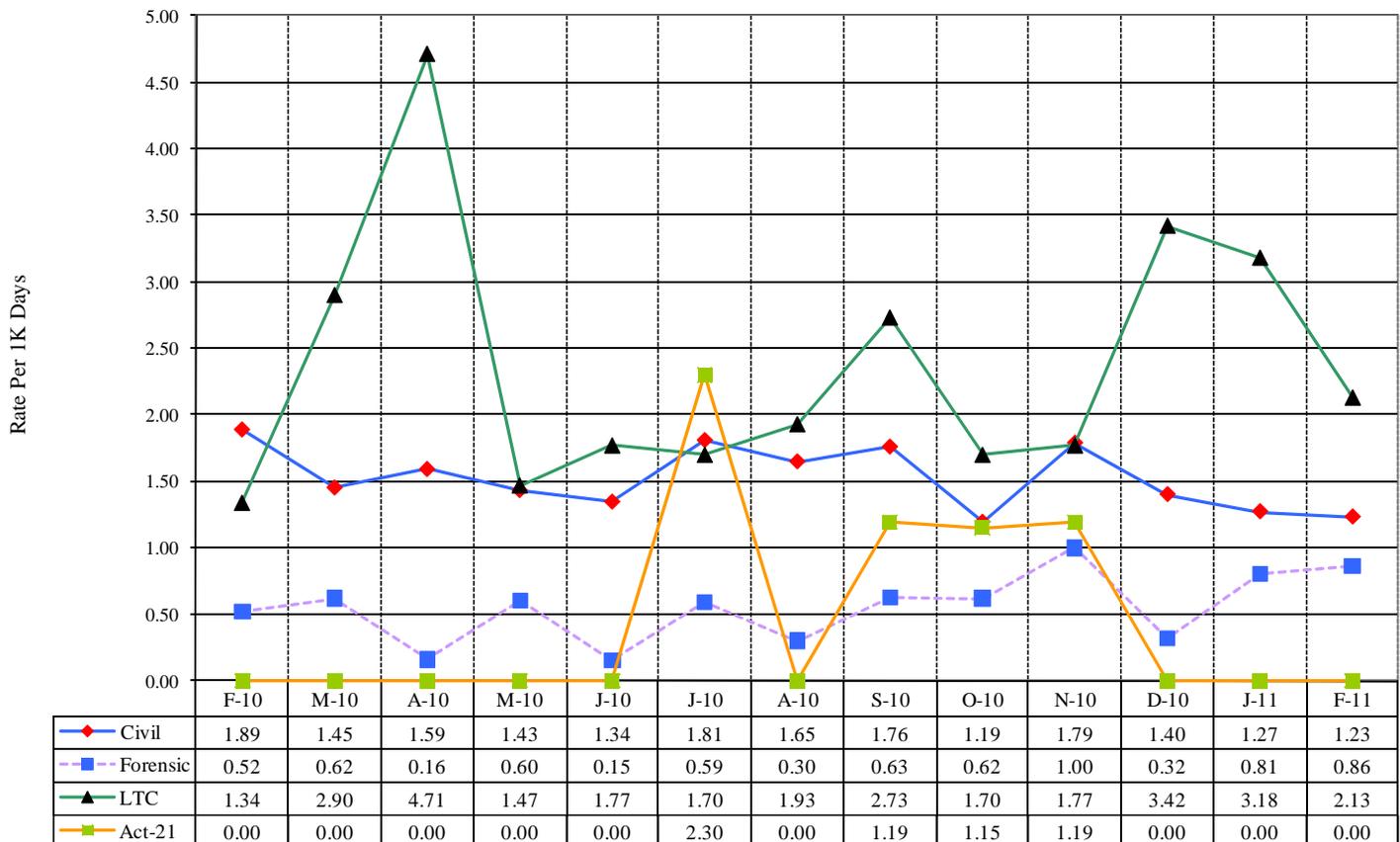
Falls

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

Civil Hospital								Forensic Center			A21	LTC	Sys Avg
M/Year	Cl	Dan	Nor	Tor	War	Wer	Ttl	Nor	Tor	Total	A21	SMRC	
Feb-10	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	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	1.66	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	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	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	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	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	1.66	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	0.89	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	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
Jan-11	1.62	1.28	0.72	1.32	1.18	1.45	1.27	0.74	0.93	0.81	0.00	3.18	1.35
Feb-11	1.79	0.41	1.28	1.62	0.86	1.19	1.23	0.27	1.88	0.86	0.00	2.13	1.24

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	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10	Jan_11	Feb_11
TOR	0.50			0.50									
WAR	0.55	0.05		0.50									

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

ABV	Total	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10	Jan_11	Feb_11
TOR	1	0	0	1	0	0	0	0	0	0	0	0	0
WAR	2	1	0	1	0	0	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

ABV	WARD	Total Hrs
WER	37-2	2.50
NOR	01A1	1.00

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

ABV	Total	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10	Jan_11	Feb_11
CLA	0.65	0.00	0.00	0.00	0.40	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00
NOR	14.33	1.47	0.00	1.08	5.00	1.75	0.92	0.48	0.00	2.22	0.00	0.42	1.00
WAR	0.78	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.20	0.00	0.00	0.00
WER	18.42	1.42	2.00	1.92	0.00	0.75	1.00	0.00	0.40	0.00	0.00	8.43	2.50

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

ABV	Total	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10	Jan_11	Feb_11
CLA	2	0	0	0	1	0	0	1	0	0	0	0	0
NOR	13	2	0	2	1	1	1	1	0	3	0	1	1
WAR	3	0	0	0	0	2	0	0	0	1	0	0	0
WER	22	2	3	4	0	1	1	0	1	0	0	8	2

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	2.05	NOR	10A1	0.17
TOR	FB4	1.72	WER	35-3	0.17
TOR	014	1.68	NOR	10C1	0.13
WER	37-2	1.62	TOR	FC2	0.08
TOR	062	1.23	TOR	FC1	0.07
TOR	013	0.48	WER	37-3	0.04
WER	34-4	0.43	NOR	51C2	0.04
TOR	023	0.42	NOR	01A1	0.03
TOR	012	0.27	WAR	3IM	0.02
NOR	51A1	0.25	DAN	212	0.01
CLA	3	0.18	CLA	7	0.01
WAR	3NM	0.17			

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

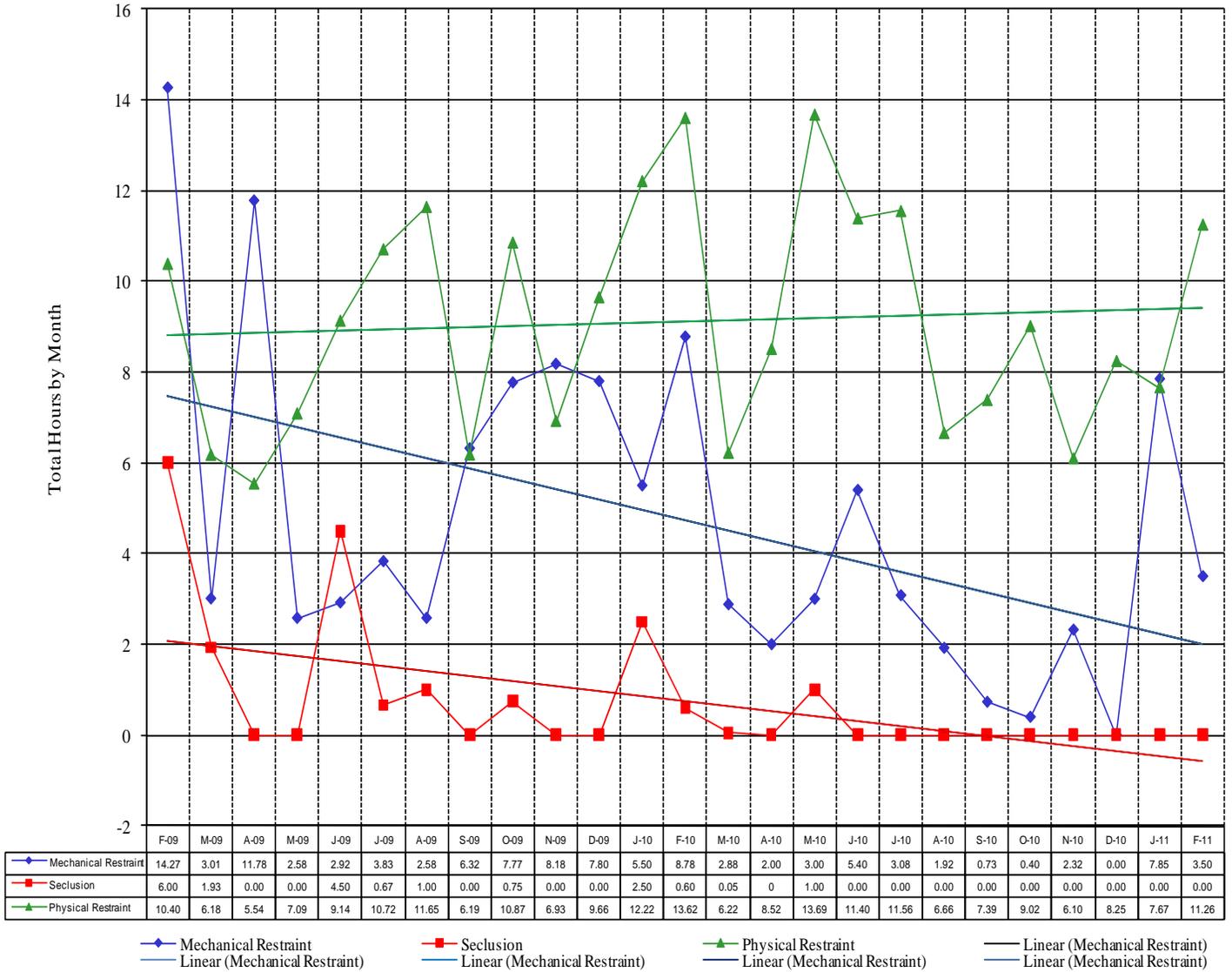
ABV	Total	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10	Jan_11	Feb_11
CLA	7.62	0.67	0.45	1.06	1.19	0.85	0.31	0.29	0.18	0.62	1.44	0.36	0.19
DAN	14.58	0.55	0.14	0.95	1.15	0.26	0.52	2.17	1.92	0.94	2.35	1.56	2.06
NOR	8.56	0.83	0.98	0.71	1.13	0.67	0.86	0.38	0.59	0.85	0.48	0.45	0.62
TOR	47.97	2.93	2.08	6.01	6.37	8.48	2.38	3.38	4.09	2.02	2.25	2.02	5.95
WAR	8.94	0.41	2.43	0.17	0.35	0.13	0.38	0.75	0.00	1.85	2.25	0.03	0.18
WER	21.41	1.22	2.43	4.85	1.02	1.14	2.26	0.42	1.91	0.71	0.30	2.92	2.26

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

ABV	Total	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10	Jan_11	Feb_11
CLA	111	10	10	12	16	10	9	7	7	11	10	6	3
DAN	133	6	5	14	10	5	7	14	18	16	17	10	11
NOR	212	14	30	12	25	20	19	9	14	18	20	19	12
TOR	271	22	13	27	40	42	16	20	18	14	15	18	26
WAR	44	7	7	3	4	2	2	3	0	8	4	2	2
WER	184	21	20	23	15	9	24	14	18	15	7	11	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.



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

February-11								Forensic			S RTP	Sys.
Unscheduled Psych Meds	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	Total	S RTP	Total
Number of Unique Patients	25	30	34	41	39	29	198	24	25	49	5	252
% of Census	11.5%	17.6%	15.2%	20.0%	23.2%	10.7%	15.8%	18.0%	31.6%	23.1%	17.9%	16.8%
Number of Early Med Events	0	2	0	3	28	9	42	0	2	2	0	44
Number of STAT meds	100	148	77	194	114	62	695	46	91	137	16	848
Rate per 1Kdays	16.28	30.57	12.34	34.98	24.47	8.20	19.86	12.50	42.72	23.58	20.83	20.40

Table 23 - STAT Use of Multiple Medications for Psychiatric Indications – February 2011

Civil Section

Medication	CLA	DAN	NOR	TOR	WAR	WER	Total
Benadryl/Haloperidol					1		1
Clonazepam/Clonidine hydrochloride	1						1
Clonazepam/Quetiapine				1			1
Fluphenazine/Lorazepam		2					2
Lorazepam/Chlorpromazine	11		4			1	16
Lorazepam/Haloperidol	15	1	2			1	19
Lorazepam/Hydroxyzine	1						1
Lorazepam/Risperidone	1						1
Olanzapine/Haloperidol				1			1
Olanzapine/Lorazepam	4			2			6
Quetiapine/Lorazepam	1						1
Totals	34	3	6	4	1	2	50

Forensic Section

Medication	NOR	Total
Haloperidol/Lorazepam	1	1
Totals	1	1

Table 24 - Psychiatric Use of STAT Medication by Hospital & Unit for February 2011

ABV	UNIT	Count									
TOR	023	65	DAN	311	20	WER	37-2	9	WER	35-4	4
DAN	212	60	WAR	IBE	18	WER	35-2	8	WAR	3NM	4
WAR	3SW	59	TOR	022	18	NOR	51B1	8	WER	34-2	4
CLA	7	56	WER	34-4	15	TOR	024	8	WER	34-3	4
DAN	312	46	DAN	310	15	CLA	6	8	NOR	51C1	4
TOR	014	41	NOR	51A1	14	TOR	021	8	NOR	09CF	4
TOR	FB4	41	TOR	013	13	NOR	09AR	7	CLA	1	3
TOR	011	28	NOR	09AF	13	TOR	FB3	7	NOR	51A2	3
TOR	FC1	23	TOR	012	13	TOR	064	7	WER	37-1	2
CLA	3	21	NOR	51C2	12	DAN	210	6	WAR	2SW	2
NOR	10A2	21	WAR	2NM	11	NOR	10A1	6	CLA	2	2
TOR	FC2	20	WER	35-3	11	WER	37-3	5	NOR	01C1	1
WAR	3IM	20	CLA	5	10	NOR	10C1	5	DAN	211	1
NOR	01A1	20	TOR	062	9	NOR	51B2	5			

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	31	97	43	81	45	19	316	23	61	84	8
Oral	67	51	34	113	69	43	377	23	30	53	8
Other	2						2	0	0	0	0
Totals	100	148	77	194	114	62	695	46	91	137	16

Table 26 Psychiatric Use of STAT Medications by Shift for Month

Civil								
ABV	D	E	N	Count				
CLA	69	22	9	100	Forensic			
DAN	73	54	21	148	D	E	N	Count
NOR	36	36	5	77	26	15	5	46
TOR	68	116	10	194	16	55	20	91
WAR	36	59	19	114	S RTP			
WER	28	30	4	62	3	12	1	16
Totals	310	317	68	695				

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

Month	Civil							Forensic				
	Cla	Dan	Nor	Tor	War	Wer	Ave.	Std Dev	Nor	Tor	Ave.	Std Dev
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
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
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
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
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
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
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
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
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
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
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
Jan-11	14.00	21.80	15.91	26.00	19.82	10.50	18.01	5.63	15.07	39.81	27.44	17.49
Feb-11	16.28	30.57	12.34	34.98	24.47	8.20	21.14	10.58	12.5	42.72	27.61	21.37

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								Forensic			SRTP	Sys
M/Y	Cl	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	Cnt	Tor	Total
May-10	150	99	118	85	78	117	647	30	16	46	3	696
Aug-10	153	93	125	85	90	161	707	29	15	44	3	754
Nov-10	149	95	127	94	96	165	726	32	23	55	3	784
Feb-11	143	100	123	95	96	135	692	37	24	61	3	756

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								Forensic			SRTP	Sys
M/Y	Cl	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	Cnt	Tor	Total
May-10	15	36	23	53	49	49	225	4	6	10	0	235
Aug-10	16	31	11	48	49	40	195	6	7	13	0	208
Nov-10	20	39	14	49	47	48	217	5	7	12	0	229
Feb-11	9	48	19	63	48	54	241	7	5	12	0	253

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								Forensic			SRTP	Sys
M/Y	Cl	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	Cnt	Tor	Total
May-10	52	57	109	47	40	93	398	25	24	49	0	447
Aug-10	63	53	111	44	43	97	411	23	22	45	0	456
Nov-10	58	60	115	47	38	108	426	21	21	42	0	468
Feb-11	52	53	109	50	43	116	423	27	17	44	0	467

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									
WER	37-2	12	TOR	022	6	TOR	023	4	WAR	3SW	2
CLA	7	12	WAR	2NM	5	WER	35-4	3	NOR	51A2	2
NOR	51C2	10	DAN	311	5	WER	34-3	3	CLA	2	2
NOR	10A1	10	NOR	51C1	4	WAR	3IM	3	TOR	062	2
NOR	10A2	9	NOR	01C1	4	TOR	011	3	NOR	51B1	2
DAN	310	8	NOR	01A1	4	DAN	312	2	TOR	FB4	1
WER	34-2	8	NOR	10C1	4	SMO	6B	2			
NOR	09CF	8	NOR	51A1	4	CLA	5	2			
NOR	09AR	8	NOR	51B2	4	WER	35-3	2			
WER	37-1	7	CLA	3	4	WER	35-2	2			
TOR	FC2	6	NOR	09AF	4	DAN	211	2			
WER	37-3	6	TOR	FC1	4	WAR	3NM	2			
DAN	210	6	SMO	5A	4	WAR	IBE	2			
TOR	014	6	SMO	3B	4	TOR	021	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			S RTP
	Cl a	Dan	Nor	Tor	War	Wer	Tot.	Nor	Tor	Tot.	S RTP
Feb-10	0.82	0.62	1.58	1.77	1.60	0.99	1.26	2.85	0.67	1.92	0.00
Mar-10	1.18	0.74	2.40	3.50	0.41	1.34	1.76	2.67	0.60	1.86	0.00
Apr-10	1.36	0.59	2.07	2.03	0.83	1.08	1.49	2.04	1.25	2.07	0.00
May-10	1.02	1.13	2.32	2.29	1.22	1.76	1.63	1.23	0.00	0.75	0.00
Jun-10	0.91	1.16	2.53	1.23	1.02	1.04	1.32	2.02	0.56	1.53	0.00
Jul-10	1.60	0.37	2.32	2.14	0.98	0.99	1.46	3.94	1.00	2.78	0.00
Aug-10	0.44	0.73	2.88	2.13	0.59	0.97	1.35	2.72	1.03	2.10	1.32
Sep-10	1.81	1.71	1.47	1.37	0.79	2.14	1.58	2.78	2.56	2.51	0.00
Oct-10	1.18	0.92	3.56	1.31	1.16	0.60	1.42	2.43	0.94	1.87	1.15
Nov-10	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
Jan-11	3.09	0.55	3.91	1.16	1.57	0.60	1.84	3.95	3.24	3.70	0.00
Feb-11	1.14	0.83	1.92	1.98	0.64	1.19	1.31	2.17	0.94	1.72	1.30

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

ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt
WER	37-3	9	NOR	09AR	2	WER	34-2	1
DAN	212	7	DAN	312	1	WER	35-2	1
WER	37-2	6	DAN	310	1	WER	35-3	1
DAN	311	5	DAN	210	1	WER	35-4	1
NOR	51A1	5	CLA	7	1	WER	37-1	1
SMO	3B	5	CLA	5	1	NOR	51C2	1
NOR	10C1	5	NOR	01C1	1			
NOR	10A2	3	CLA	3	1			
NOR	10A1	3	TOR	021	1			
TOR	024	3	TOR	062	1			
WER	34-3	2	TOR	FB4	1			
WAR	3NM	2	TOR	FC1	1			
TOR	023	2	WAR	2NM	1			

Table 34 - Rate of Patient-to-Staff Assault Events with Injury to Staff per 1,000 Days-of-Care

											S RTP
Pt/Staff Assault w/ Staff Inj per 1K days	Cl a	Dan	Nor	Tor	War	Wer	Tot.	Nor	Tor	Tot.	S RTP
Feb-10	1.14	0.41	0.79	0.53	0.00	0.66	0.60	1.43	0.00	0.87	0.58
Mar-10	0.44	0.56	0.28	0.48	0.41	2.23	0.76	0.50	0.00	0.31	0.00
Apr-10	0.76	0.40	0.30	0.68	0.00	0.62	0.62	0.51	0.62	0.48	1.23
May-10	0.00	0.94	0.00	0.00	0.00	1.09	0.40	0.00	1.67	0.45	3.57
Jun-10	0.15	0.19	1.19	0.35	0.00	2.35	0.79	0.51	1.11	0.61	1.19
Jul-10	0.44	0.37	0.73	0.16	1.18	0.99	0.61	0.25	0.00	0.15	1.15
Aug-10	0.00	0.91	0.29	0.33	0.99	0.97	0.57	0.99	0.00	0.60	1.15
Sep-10	0.30	0.57	0.15	0.68	0.40	1.13	0.54	0.51	0.00	0.31	1.19
Oct-10	0.00	0.92	0.86	0.66	0.00	1.09	0.65	0.49	0.47	0.47	0.00
Nov-10	0.15	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
Jan-11	0.59	0.55	1.01	0.66	0.20	1.45	0.80	0.74	0.93	0.81	0.00
Feb-11	0.00	0.62	1.60	0.54	0.00	0.79	0.63	1.09	0.00	0.69	1.30