



State Hospital Risk Management Summary Report For January 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.

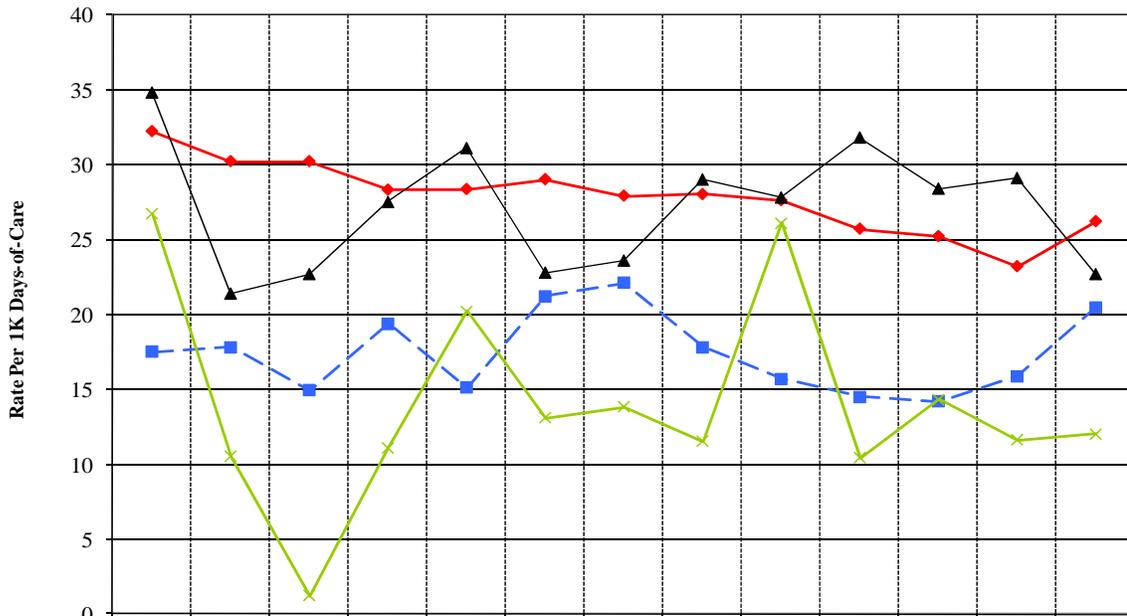
During **January** a total of 1262 incident reports were completed by the state hospital system. Additional records addressing specific categories from the previous month were included on page 4 of this report. Other tables in this report may include additional NRI events regarding these incident reports. The following is a breakdown of incidents by individual facility and type of care:

Table 1 - Number of Incident Reports

Civil	Census 1/31/10	Days Provided	Incidents	Per 1000 Days-of-Care
Clarks Summit	217	6787	131	19.3
Danville	175	5459	126	23.1
Norristown	220	6912	199	28.8
Torrance	204	6039	204	33.8
Warren	165	5096	96	18.8
Wernersville	268	8282	256	30.9
Total Civil	1249	38575	1012	26.2
Forensic				
Norristown	133	4049	85	21.0
Torrance	75	2160	42	19.4
Total Forensic	208	6209	127	20.5
Act 21				
Act 21	27	836	10	12.0
Total Act 21	27	836	10	12.0
Long Term Care				
South Mountain	131	4082	113	27.7
Total L. T. C.	131	4082	113	27.7
Total	1615	49702	1262	25.4

* Based on data appended on 02/20/2011

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



	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
—◆— Civil	32.2	30.2	30.2	28.3	28.3	29	27.9	28	27.6	25.7	25.2	23.2	26.2
—■— Forensic	17.5	17.8	14.9	19.4	15.1	21.2	22.1	17.8	15.7	14.5	14.2	15.9	20.5
—▲— Long Term Care	34.8	21.4	22.7	27.5	31.1	22.8	23.6	29	27.8	31.8	28.4	29.1	22.7
—×— Act 21	26.7	10.5	1.2	11.1	20.2	13.1	13.8	11.5	26.1	10.4	14.3	11.6	12.0

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	8/10	9/10	10/10	11/10	12/10	1/11
Total number of reported airway obstructions or choking incidents at all facilities (Type 1 & 2):	8	6	6	4	8	8
Total number of AWOL's & UA's all facilities:	49	43	48	30	29	14
Total number of falls (Type 1 & 2) at all facilities:	199	178 (-)	186	194	170	191
Total number of reported falls involving consumers age 65 or older:	44	38	43	48	46	55
Total number of reported falls involving consumers age 75 or older:	14	8	19	11	9	19
Total number of reported fire setting events:	0	0	0	1	2	0
Total number of reported incidents involving a bone fracture:	3	1	2	4	5	3
Total number of reported deaths for this report period:	8	3	4	4	1	8
Total number of reported incidents involving a burn or scald:	3	1	3	1	3	0
Total number of reported incidents involving a cut or laceration requiring sutures, steri-strips or glue:	14	5	5 (+)	10	3	11
Total number of reported incidents of patient-to-patient assault (see note below):	298	357 (+)	299	253	217	320
Total number of reported incidents of patient-to-staff assaults:	104 (+)	83 (+)	81	82	89	77
Total number of reported incidents involving alleged abuse:	18	9	9	7	10	6
Total percentage for the month of reported incidents involving no physical injury to the Patient:	65%	67%	68.5%	61.1%	68.6%	66.9%
Total incidents of physical restraint used for the month:	75	68	76	75	65	63
Total hours of physical restraint used for the month:	6.67	7.39	9.02	6.10	8.25	7.67
Incidents of mechanical restraint use for the month:	2	2	1	4	0	8
Total hours of mechanical restraint used for the month:	1.98	.73	.40	1.92	0	7.85
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	4	0	0	1	2
Total number of reported incidents of attempted suicide:	2	3	2	0	0	4
Total number of reported incidents involving the threat or plan of suicide:	12	13	9	10	5	9
Total number of reported incidents of illicit drug use/possession:	9	1	3	1	3	0
Total number of medication errors:	34(-)	31 (+)	25 (+)	43	21	29
Total number of STAT medications administered for psychiatric indications:	1061	971	891	862	958	828

***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	4	1	6	3	6	23
Adverse Drug Reaction	1	1	2				4
Aggression	4	5	24	22	8	23	86
Airway Obstruction type 1 Intervention		1		2		2	5
Airway Obstruction type 2 No Intervention		1	2				3
Alcohol Use/Possession/Suspected or Confirmed				1			1
Alleged Nonconsensual Sexual Activity			2				2
Alleged Pt. Abuse	1	1	1		1		4
Assault, Pt./Pt	48	25	77	42	16	48	256
Assault, Pt./Staff	6	7	15	6	1	28	63
Assault: Patient/Other						1	1
AWOL/UA	1	1				2	4
AWOL-Attempt		1	1	1	2	1	6
AWOL-Late			1	1			2
Change in Medical Status-Stabilized		1	5	3	1		10
Change in Medical Status-Transferred	11	5	17	8		18	59
Charged post admit/crime committed prior to admit	1						1
Charged with alleged crime on hospital grounds		1			1	1	3
Communications Sys. Misuse			3				3
Community Incident		4			1	1	6
Contraband Possession		3	2	13	6	2	26
Fall Type 1-Injury with treatment	11	7	5	8	6	12	49
Fall Type 2-No treatment needed	7	25	5	22	10	22	91
Family Concern			2	2		3	7
Indeterminate/Unconfirmed Cause of Injury	14	5	2	3		4	28
Medication Error	1	2	7	2		6	18
Missing Property	2	2	1		3	3	11
Other	9	2	2	17	14	16	60
Procedural Treatment Error	2					3	5
Property Damage	3	1	2	1	1	1	9
Seizure				1	1	1	3
Self-Injurious behavior	5	17	10	18	9	35	94
Sexual Behavior		3	3	5	4	14	29
Smoking Violation			5	12	1		18
Suicide Attempt	1		1	2			4
Suicide threat/plan		1		5	2	1	9
Theft			1	1	5		7
Unsubstantiated Patient Abuse						2	2
Totals	131	126	199	204	96	256	1012

Table 3 - Primary Effect of Incidents in the Civil Hospitals

Primary effect	CLA	DAN	NOR	TOR	WAR	WER	Count
Abrasion/scrape/scratch/hematoma	16	14	10	15	10	15	80
Allergic reaction				1		1	2
Bite-Human	1		1			3	5
Body System Illness	1		8	4	1	4	18
Bruise/contusion/discoloration	14	7	6	2	4	9	42
Cellulitis	1		1				2
Damaged or lost tooth				1			1
Death	2					1	3
Edema/swelling	5			2	1	3	11
Emesis						1	1
Epistaxis	4	1	1	3			9
Erythema/redness	3		3	2		2	10
Fever	2		1				3
Fracture	1	2					3
Ingestion of foreign body		3		1		5	9
Laceration: NO sutures/staples/steri-strips	1	1	8	2	4	2	18
Laceration: with steristrips/glue	1			1			2
Laceration: with sutures/staples	3		1	2	1		7
Muscle pull/strain/sprain			1	1		1	3
No Injury/NA	65	88	125	158	70	187	693
Other	1	3	9	3	3	9	28
Pain unspecified				1			1
Pain, Specified	5	5	18	3	1	8	40
Puncture/stab wound			2				2
Respiratory Distress	2	1	3			4	10
Seizure					1		1
Skin Irritation/Rash		1		1			2
Syncopal episode	3		1	1			5
Unconscious/Unresponsive						1	1
Totals	131	126	199	204	96	256	1012

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	FOR	FB3	FB4	FC1	FC2	Count
Adverse Drug Reaction						1						1
Aggression	2	4	5	7		2			9		3	32
Alleged Pt. Abuse	1	1										2
Assault, Pt./Pt	16	2	4	4	2	6	1		2	5	7	49
Assault, Pt./Staff	6			1					1	2		10
Change in Medical Status-Stabilized	1	1							1			3
Change in Medical Status-Transferred		1				1			1			3
Community Incident						2						2
Contraband Possession											1	1
Fall Type 1-Injury with treatment	1		1		1			1			1	5
Fall Type 2-No treatment needed	1		1	1	1			1	1			6
Indeterminate/Unconfirmed Cause of Injury		1			1							2
Other				2				1				3
Property Damage						2						2
Seizure		2						1				3
Self-Injurious behavior									1	1		2
Activity									1		1	2
Totals	28	12	11	15	5	14	1	4	17	8	13	128

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

EFFECT	51A1	51A2	51B1	51C1	51C2	FOR	51B2	FB3	FB4	FC1	FC2	Count
Abrasion/scrape/scratch/hematoma	2	1		2	2			1		1		9
Allergic reaction	1											1
Bite-Animal							1					1
Body System Illness		1			1							2
Bruise/contusion/discoloration	2	2					1			1	1	7
Edema/swelling	1										3	4
Erythema/redness									1			1
Laceration: NO sutures/staples/steri-strips	1		1		1					1		4
No Injury/NA	19	6	8	2	8	1	12	2	15	5	8	86
Other		1		1								2
Pain, Specified	2	1	2		1		1		1		1	9
Seizure								1				1
Visual changes					1							1
Totals	28	12	11	5	14	1	15	4	17	8	13	128

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

Cause	3A	3B	5A	6A	6B	Count
Accident-Injury		1	2	1	5	9
Aggression	3	4	2		2	11
Assault, Pt./Pt	1	8	1	1	2	13
Assault, Pt./Staff		1				1
Change in Medical Status-Stabilized		2	1			3
Change in Medical Status-Transferred	1	3		4	1	9
Fall Type 1-Injury with treatment	1	6	5	1		13
Fall Type 2-No treatment needed	2	8	2	3	1	16
Medication Error	4	3	2	1		10
Missing Property	1			1		2
Other	3	3	3	2	2	13
Property Damage		3				3
Self-Injurious behavior		2	1	5	1	9
Theft			1			1
Totals	16	44	20	19	14	113

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

EFFECT	3A	3B	5A	6A	6B	Count
Abrasion/scrape/scratch/hematoma		1	4	7	3	15
Body System Illness		1				1
Bruise/contusion/discoloration	1	3	3		3	10
Death	1	1		1	2	5
Edema/swelling		1				1
Epistaxis		1				1
Ingestion of foreign body		1				1
Laceration: NO sutures/staples/steri-strips	1	1	1			3
Laceration: with steristrips/glue		1	1			2
Lethargy	1					1
No Injury/NA	12	30	9	7	5	63
Other		1		1		2
Pain, Specified			2			2
Respiratory Distress		1		3	1	5
Unconscious/Unresponsive		1				1
Totals	16	44	20	19	14	113

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	1	1
Aggression	3	3
Assault, Pt./Staff	2	2
Fall Type 2-No treatment needed	1	1
Self-Injurious behavior	2	2
Sexual Behavior	1	1
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
Bruise/contusion/discoloration	2	2
Cellulitis	1	1
Edema/swelling	1	1
Erythema/redness	1	1
No Injury/NA	3	3
Pain unspecified	1	1
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
Apr-10	Total Users	138	79	150	113	104	120	704	15	719
	% of Census	63%	47%	67%	55%	63%	54%	52%	11%	43%
Jul-10	Total Users	140	82	138	106	89	158	713	19	732
	% of Census	64%	46%	61%	52%	56%	60%	54%	14%	50%
Oct-10	Total Users	133	78	155	115	84	146	711	17	728
	% of Census	61%	45%	69%	57%	51%	54%	57%	13%	53%
Jan-11	Total Users	128	78	140	96	85	146	673	18	691
	Census	59%	45%	64%	47%	52%	54%	54%	14%	50%

Table 11 - Diabetes

M/Year	Civil Hospitals							Forensic Centers			A21	LTC	Sys
	Cl	Dan	Nor	Tor	War	Wer	Ttl	Nor	Tor	Total	A21	SMRC	
Jan 11 Patient Census	217	175	220	204	165	268	1249	133	75	208	27	131	1615
Count	35	32	56	47	37	60	267	13	8	21	0	52	340
% w/ Diabetes	16%	18%	25%	23%	22%	22%	21%	10%	11%	10%	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.

Cause	CLA	DAN	NOR	SMO	TOR	WAR	WER	Count
Airway Obstruction type 2 No Intervention			1					1
Assault, Pt./Pt	1		1			1		3
Change in Medical Status-Transferred	10	3	19	9	8		18	67
Community Incident			2					2
Fall Type 1-Injury with treatment					2		1	3
Fall Type 2-No treatment needed					1			1
Medication Error			1					1
Other			1					1
Self-Injurious behavior		1	3				5	9
Totals	11	4	28	9	11	1	24	88

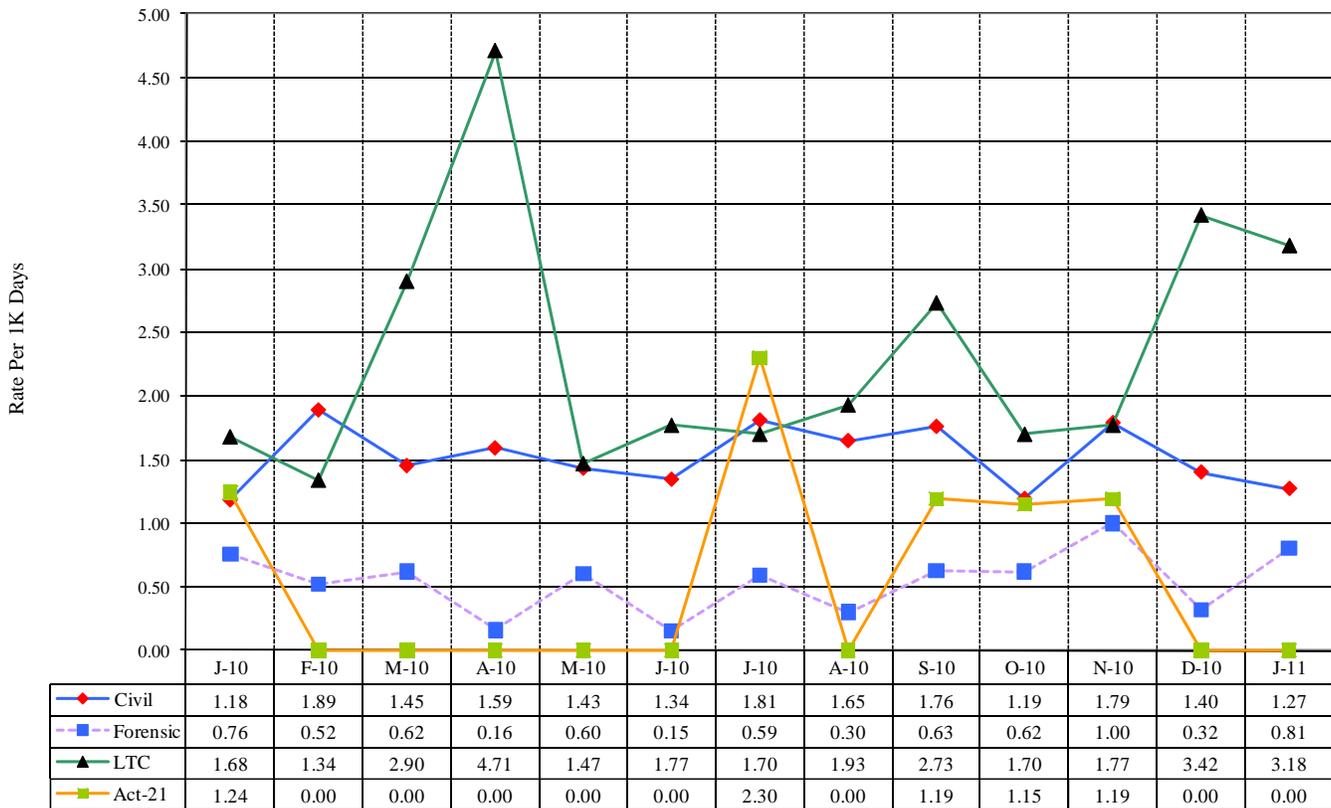
Falls

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
	Cla	Dan	Nor	Tor	War	Wer	Ttl	Nor	Tor	Total	A21	SMRC	
Jan-10	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	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

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	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10	Jan_11
TOR	1.10	0.60			0.50								
WAR	0.55		0.05		0.50								

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

ABV	Total	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10	Jan_11
TOR	2	1	0	0	1	0	0	0	0	0	0	0	0
WAR	2	0	1	0	1	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	35-3	4.43
WER	37-2	3.00
NOR	51A1	0.42

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

ABV	Total	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10	Jan_11
CLA	0.65	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.25	0.00	0.00	0.00	0.00
NOR	21.87	8.53	1.47	0.00	1.08	5.00	1.75	0.92	0.48	0.00	2.22	0.00	0.42
WAR	0.78	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.20	0.00	0.00
WER	15.17	0.25	1.42	2.00	1.92	0.00	0.75	1.00	0.00	0.40	0.00	0.00	7.43

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

ABV	Total	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10	Jan_11
CLA	2	0	0	0	0	1	0	0	1	0	0	0	0
NOR	19	7	2	0	2	1	1	1	1	0	3	0	1
WAR	3	0	0	0	0	0	2	0	0	0	1	0	0
WER	20	1	2	3	4	0	1	1	0	1	0	0	7

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
WER	37-2	2.07	TOR	FB4	0.08
WER	35-3	1.60	CLA	6	0.08
DAN	312	1.48	WER	35-4	0.08
TOR	014	0.60	DAN	310	0.08
NOR	51A1	0.21	NOR	10A2	0.05
TOR	062	0.20	NOR	51A2	0.05
WER	37-1	0.17	TOR	021	0.02
CLA	7	0.17	WAR	3IM	0.02
TOR	FC1	0.17	WAR	3SW	0.02
TOR	013	0.17	NOR	51B1	0.02
NOR	10A1	0.12	NOR	09CF	0.01
TOR	011	0.12	CLA	4	0.01
CLA	3	0.10	NOR	09AR	0.00

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

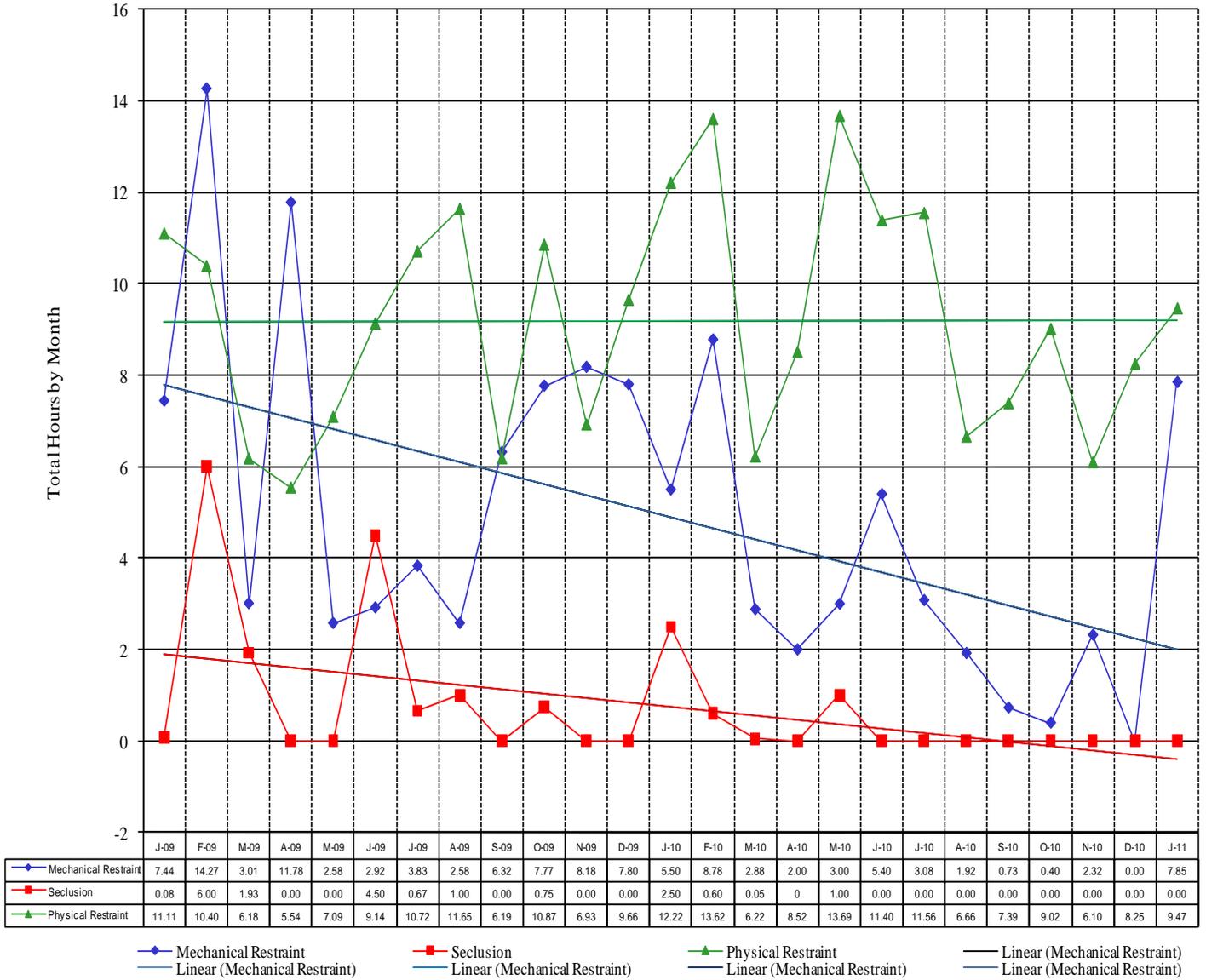
ABV	Total	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10	Jan_11
CLA	8.35	0.92	0.67	0.45	1.06	1.19	0.85	0.31	0.29	0.18	0.62	1.44	0.36
DAN	13.78	1.26	0.55	0.14	0.95	1.15	0.26	0.52	2.17	1.92	0.94	2.35	1.56
NOR	12.93	4.99	0.83	0.98	0.71	1.13	0.67	0.86	0.38	0.59	0.85	0.48	0.45
TOR	45.89	4.54	2.93	2.08	6.01	6.37	8.48	2.38	3.38	4.09	2.02	2.25	1.35
WAR	9.06	0.30	0.41	2.43	0.17	0.35	0.13	0.38	0.75	0.00	1.85	2.25	0.03
WER	20.99	0.84	1.22	2.43	4.85	1.02	1.14	2.26	0.42	1.91	0.71	0.30	3.92

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

ABV	Total	Feb_10	Mar_10	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10	Jan_11
CLA	124	16	10	10	12	16	10	9	7	7	11	10	6
DAN	129	7	6	5	14	10	5	7	14	18	16	17	10
NOR	232	32	14	30	12	25	20	19	9	14	18	20	19
TOR	257	15	22	13	27	40	42	16	20	18	14	15	15
WAR	46	4	7	7	3	4	2	2	3	0	8	4	2
WER	191	14	21	20	23	15	9	24	14	18	15	7	11

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

January-11								Forensic			S RTP	Sys.
	Unscheduled Psych Meds	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	Total	S RTP
Number of Unique Patients	37	32	37	45	37	32	220	27	19	46	6	272
% of Census	17.1%	18.3%	16.8%	22.1%	22.4%	11.9%	17.6%	20.3%	25.3%	22.1%	22.2%	18.3%
Number of Early Med Events	1	0	0	5	20	7	33	0	1	1	0	34
Number of STAT meds	95	119	110	157	101	87	669	61	86	147	12	828
Rate per 1Kdays	14.00	21.80	15.91	26.00	19.82	10.50	17.34	15.07	39.81	23.68	14.35	18.15

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

Civil Section

Medication	CLA	DAN	NOR	TOR	WER	Total
Chlorpromazine/Divalproex	1					1
Chlorpromazine/Lorazepam	10		8		5	23
Clonazepam/Chlorpromazine			1			1
Fluphenazine/Olanzapine/Benzotropine				1		1
Hydroxyzine/Haloperidol			2			2
Lorazepam/Fluphenazine		1			1	2
Lorazepam/Haloperidol	9	1	7		1	18
Olanzapine/Lorazepam	3			1	1	5
Quetiapine/Chlorpromazine					1	1
Ziprasidone/Lorazepam	2					2
Totals	25	2	18	2	9	56

Forensic Section

Medication	NOR
Clonazepam/Haloperidol	1
Totals	1

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

ABV	UNIT	Count									
DAN	312	64	WAR	IBE	19	NOR	09AF	10	CLA	5	6
TOR	014	45	DAN	310	19	WER	37-1	10	DAN	210	6
TOR	FB4	44	WER	37-2	17	WAR	2NM	9	TOR	012	4
CLA	7	40	NOR	10A1	17	NOR	51B1	9	CLA	1	4
NOR	10A2	39	NOR	51B2	16	CLA	4	9	WER	37-3	3
TOR	023	39	DAN	212	14	CLA	2	9	NOR	09CF	3
WAR	3SW	33	CLA	6	14	TOR	024	8	WER	35-2	3
TOR	022	28	DAN	311	14	NOR	51C2	8	WER	34-2	3
NOR	01A1	27	WER	34-4	14	WAR	3NM	7	NOR	51C1	2
WAR	3IM	27	NOR	51A1	13	TOR	013	7	DAN	211	2
WER	35-3	25	NOR	51A2	13	TOR	021	7	NOR	10C1	2
TOR	FC2	23	CLA	3	12	WER	35-4	6	CLA	9	1
TOR	FC1	19	TOR	062	11	WAR	2SW	6	NOR	01C1	1
TOR	011	19	NOR	09AR	11	WER	34-3	6	TOR	064	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	14	50	63	83	34	24	268	35	47	82	4
Oral	76	69	45	74	67	63	394	26	39	65	8
Other	5	0	2	0	0	0	7	0	0	0	0
Totals	95	119	110	157	101	87	669	61	86	147	12

Table 26 Psychiatric Use of STAT Medications by Shift for Month

Civil								
ABV	D	E	N	Count				
CLA	65	15	15	95	Forensic			
DAN	49	59	11	119	D	E	N	Count
NOR	55	49	6	110	28	29	4	61
TOR	47	100	10	157	36	42	8	86
WAR	45	32	24	101	S RTP			
WER	34	46	7	87	1	11	0	12
Totals	295	301	73	669				

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
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
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	14.35

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
Apr-10	147	99	115	104	84	98	647	37	15	52	3	702
Jul-10	152	96	122	87	86	171	714	34	17	51	3	768
Oct-10	151	93	129	94	93	160	720	28	22	50	3	773
Jan-11	145	100	122	89	96	134	686	35	21	56	3	745

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
Apr-10	16	37	14	51	51	46	215	4	3	7	0	222
Jul-10	15	37	12	51	43	54	212	7	8	15	0	227
Oct-10	24	31	14	48	48	50	215	7	7	14	0	229
Jan-11	4	42	22	49	43	48	208	5	5	10	0	218

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
Apr-10	51	56	100	41	39	85	372	27	22	49	0	421
Jul-10	58	56	115	47	43	96	415	20	26	46	0	461
Oct-10	54	58	120	44	39	105	420	28	23	51	0	471
Jan-11	53	56	109	46	36	112	412	28	16	44	0	456

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									
NOR	10A1	32	NOR	51C2	6	WER	37-3	3	DAN	311	1
CLA	7	22	CLA	4	6	CLA	9	2	SMO	5A	1
TOR	022	22	NOR	09AR	6	DAN	211	2	SMO	6A	1
NOR	51A1	16	TOR	013	6	DAN	312	2	TOR	011	1
NOR	01A1	16	WER	34-3	6	NOR	10C1	2	WAR	FOR	1
NOR	10A2	16	WER	35-3	6	NOR	51A2	2	SMO	3A	1
WER	37-2	14	WAR	3NM	6	NOR	51C1	2			
CLA	2	11	TOR	FC1	5	SMO	6B	2			
WAR	3IM	10	NOR	09AF	5	TOR	012	2			
WER	37-1	8	TOR	024	5	TOR	023	2			
SMO	3B	8	CLA	3	5	TOR	FB4	2			
DAN	310	8	NOR	51B2	4	WAR	IBE	2			
DAN	210	8	NOR	51B1	4	WER	34-4	2			
TOR	FC2	7	TOR	014	4	WER	35-4	2			
WER	34-2	7	DAN	212	4	CLA	5	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
	Cla	Dan	Nor	Tor	War	Wer	Tot.	Nor	Tor	Tot.	
Jan-10	1.18	2.18	3.22	0.48	0.61	1.19	1.72	1.25	0.00	0.91	1.24
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

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

ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt
WER	34-3	8	TOR	062	2	WAR	IBE	1
NOR	51A1	6	NOR	10A2	1	WER	34-4	1
WER	37-2	5	DAN	312	1	WER	35-4	1
NOR	10A1	5	TOR	023	1	WER	37-1	1
NOR	09AR	5	DAN	310	1	TOR	014	1
CLA	3	5	DAN	212	1			
WER	34-2	4	CLA	4	1			
DAN	311	4	NOR	01A1	1			
WER	37-3	3	NOR	51B2	1			
WER	35-3	3	SMO	3B	1			
NOR	09AF	3	TOR	022	1			
TOR	FC1	2	TOR	024	1			
TOR	011	2	TOR	FB4	1			
WER	35-2	2	WAR	3IM	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											S RTP
	Cla	Dan	Nor	Tor	War	Wer	Tot.	Nor	Tor	Tot.	S RTP
Jan-10	1.03	0.55	2.81	1.75	1.01	0.74	1.53	3.50	3.32	3.18	3.73
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