



pennsylvania

DEPARTMENT OF PUBLIC WELFARE

OFFICE OF MENTAL HEALTH AND
SUBSTANCE ABUSE SERVICES

State Hospital Risk Management Summary Report For March 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.

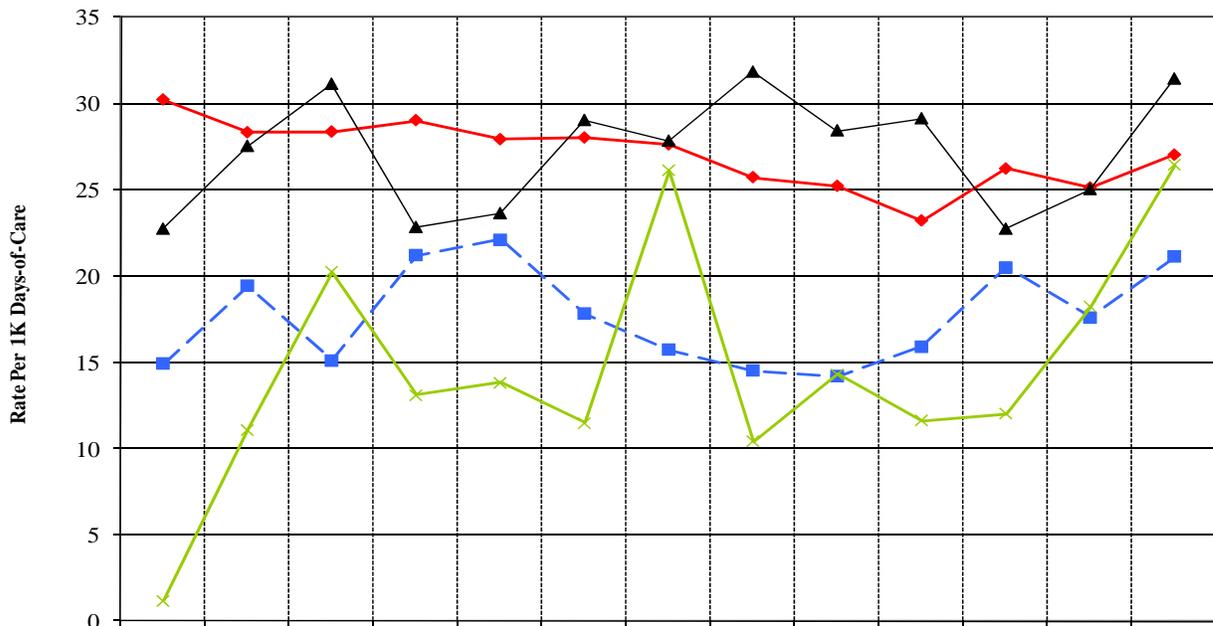
During **March** a total of 1338 incident reports were completed by the state hospital system. Additional records addressing specific categories from the previous month were included on page 4 of this report. Other tables in this report may include additional NRI events regarding these incident reports. The following is a breakdown of incidents by individual facility and type of care:

Table 1 - Number of Incident Reports

Civil	Census 3/31/11	Days Provided	Incidents	Per 1000 Days-of-Care
Clarks Summit	218	6771	104	15.4
Danville	174	5375	176	32.7
Norristown	219	6827	189	27.7
Torrance	205	6183	168	27.2
Warren	171	5158	120	23.3
Wernersville	272	8404	290	34.5
Total Civil	1259	38718	1047	27.0
Forensic				
Norristown	131	4089	89	21.8
Torrance	78	2445	49	20.0
Total Forensic	209	6534	138	21.1
Act 21				
Act 21	26	834	22	26.4
Total Act 21	26	834	22	26.4
Long Term Care				
South Mountain	136	4171	131	31.4
Total L. T. C.	136	4171	131	31.4
Total	1630	50257	1338	26.6

* Based on data appended on 04/20/2011

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



	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11
—◆— Civil	30.2	28.3	28.3	29	27.9	28	27.6	25.7	25.2	23.2	26.2	25.1	27.0
- - -■- - Forensic	14.9	19.4	15.1	21.2	22.1	17.8	15.7	14.5	14.2	15.9	20.5	17.6	21.1
—▲— Long Term Care	22.7	27.5	31.1	22.8	23.6	29	27.8	31.8	28.4	29.1	22.7	25.0	31.4
—×— Act 21	1.2	11.1	20.2	13.1	13.8	11.5	26.1	10.4	14.3	11.6	12.0	18.2	26.4

**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	10/10	11/10	12/10	1/11	2/11	3/11
Total number of reported airway obstructions or choking incidents at all facilities (Type 1 & 2):	6	4	8	8	5	4
Total number of AWOL's & UA's all facilities:	48	30	29	14	31	44
Total number of falls (Type 1 & 2) at all facilities:	186	194	170	191	140	183
Total number of reported falls involving consumers age 65 or older:	43	48	46	55	37	48
Total number of reported falls involving consumers age 75 or older:	19	11	9	19	12	16
Total number of reported fire setting events:	0	1	2	0	0	0
Total number of reported incidents involving a bone fracture:	2	4	5	3	3	2
Total number of reported deaths for this report period:	4	4	1	8	4	5
Total number of reported incidents involving a burn or scald:	3	1	3	0	1	5
Total number of reported incidents involving a cut or laceration requiring sutures, steri-strips or glue:	5 (+)	10	3	11	9	11
Total number of reported incidents of patient-to-patient assault (see note below):	299	253	217	320	227 (+)	314
Total number of reported incidents of patient-to-staff assaults:	81	82	89	77	78 (+)	99
Total number of reported incidents involving alleged abuse:	9	7	10	6	11	14
Total percentage for the month of reported incidents involving no physical injury to the Patient:	68.5%	61.1%	68.6%	66.9%	66.2%	67.4%
Total incidents of physical restraint used for the month:	76	75	65	63	61	96
Total hours of physical restraint used for the month:	9.02	6.10	8.25	7.67	11.26	15.61
Incidents of mechanical restraint use for the month:	1	4	0	8	3	2
Total hours of mechanical restraint used for the month:	.40	1.92	0	7.85	3.5	1.33
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:	0	0	1	2	4	6
Total number of reported incidents of attempted suicide:	2	0	0	4	1	0
Total number of reported incidents involving the threat or plan of suicide:	9	10	5	9	11	14
Total number of reported incidents of illicit drug use/possession:	3	1	3	0	3	0
Total number of medication errors:	25 (+)	43	21	29	35	32
Total number of STAT medications administered for psychiatric indications:	891	862	958	828	848	867

***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	9	8	1	1	1	7	27
Adverse Drug Reaction	2		1		1		4
Aggression	9	8	36	32	21	45	151
Airway Obstruction type 1 Intervention		1					1
Airway Obstruction type 2 No Intervention		1				1	2
Alleged Pt. Abuse	1		3		6	2	12
Assault, Pt./Pt	29	50	43	35	16	52	225
Assault, Pt./Staff	6	23	11	1	1	37	79
AWOL/UA		1	1	1		9	12
AWOL-Attempt		4	4				8
AWOL-Late		1			11		12
Change in Medical Status-Stabilized	1		6				7
Change in Medical Status-Transferred	12	8	10	6	1	15	52
Charged post admit/crime committed prior to admit	1						1
Charged with alleged crime on hospital grounds		1			2		3
Communications Sys. Misuse		1					1
Community Incident		3	1				4
Contraband Possession	1	1	6	2	3	2	15
Fall Type 1-Injury with treatment	6	4	13	9	7	17	56
Fall Type 2-No treatment needed	11	10	8	17	14	25	85
Family Concern				1		1	2
Indeterminate/Unconfirmed Cause of Injury	5	3	3	6	1	3	21
Medication Error	3	4	9	2	2	6	26
Missing Property		2	3		2	7	14
Other	3	3	9	14	14	16	59
Procedural Treatment Error			1			2	3
Property Damage		6	1				7
Seizure	1		1			3	5
Self-Injurious behavior		30	8	17	10	22	87
Sexual Behavior	2		3	5		7	17
Smoking Violation			2	9		2	13
Substantiated Patient Abuse						1	1
Suicide threat/plan	1	3	4		2	4	14
Theft	1		1	2	3	4	11
Unknown					2		2
Unsubstantiated Nonconsensual Sexual Activity				6			6
Unsubstantiated Patient Abuse				2			2
Totals	104	176	189	168	120	290	1047

Table 3 - Primary Effect of Incidents in the Civil Hospitals

Primary effect	CLA	DAN	NOR	TOR	WAR	WER	Count
Abrasion/scrape/scratch/hematoma	13	19	17	17	6	17	89
Bite-Human	1		2				3
Bite-Insect						1	1
Body System Illness	2		4	2	1	6	15
Bruise/contusion/discoloration	1	7	6	9	3	12	38
Burn/Scald	2	1				1	4
Cellulitis			4				4
Constipation						1	1
Death			2				2
Dislocation	1						1
Edema/swelling	4	3	1	2	1	1	12
Emesis	1		2			2	5
Epistaxis	1	3	1			1	6
Erythema/redness		2	2	7		6	17
Fever	6			1			7
Fracture						1	1
Ingestion of foreign body			2			7	9
Internal injury			1				1
Laceration: NO sutures/staples/steri-strips	1	2	3	2	1	2	11
Laceration: with steristrips/glue	3		1			1	5
Laceration: with sutures/staples	3	1		1		1	6
Lethargy	1		1				2
No Injury/NA	55	130	121	121	104	204	735
Other	1	1	6	2	1	9	20
Pain, Specified	4	3	11	3	2	14	37
Puncture/stab wound		1					1
Respiratory Distress	2	1	1			1	5
Seizure		1				2	3
Skin Irritation/Rash	1			1	1		3
Syncopal episode	1						1
Unconscious/Unresponsive		1	1				2
Totals	104	176	189	168	120	290	1047

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
Adverse Drug Reaction				1							1
Aggression	1	3	3	8	1	2	2	13	1	3	37
Airway Obstruction type 1 Intervention						1					1
Alleged Nonconsensual Sexual Activity			1								1
Alleged Pt. Abuse								1			1
Assault, Pt./Pt	6	6	6	16	2	14	3	2	9	2	66
Assault, Pt./Staff	4							3			7
Change in Medical Status-Stabilized					1						1
Change in Medical Status-Transferred					2						2
Communications Sys. Misuse				1							1
Fall Type 1-Injury with treatment						1					1
Fall Type 2-No treatment needed						3					3
Family Concern						1					1
Indeterminate/Unconfirmed Cause of Injury		1	1			1	1				4
Other			1								1
Property Damage	1										1
Self-Injurious behavior								7		1	8
Suicide threat/plan								1			1
Totals	12	10	12	26	6	23	6	27	10	6	138

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	2		1	1	2	5		9	2		22
Bruise/contusion/discoloration			3		6	1	2	1	1		14
Death			1								1
Edema/swelling		1				1			1		3
Epistaxis								1			1
Erythema/redness		2						1			3
Ingestion of foreign body								1			1
Laceration: NO sutures/staples/steri-strips					1				1		2
No Injury/NA	9	7	7	2	13	18	4	14	5	6	85
Other					1						1
Pain, Specified	1			2							3
Sunburn				1							1
Visual changes						1					1
Totals	12	10	12	6	23	26	6	27	10	6	138

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

Cause	3A	3B	5A	6A	6B	Count
Accident-Injury	2	4	1	3	4	14
Aggression		4	1		1	6
Aggression Type 2/Early Medication Order				1		1
Alleged Pt. Abuse					1	1
Assault, Pt./Pt	6	9	2		2	19
Assault, Pt./Staff		9	1	1		11
Change in Medical Status-Stabilized		2	1		1	4
Change in Medical Status-Transferred	2		4	7	1	14
Fall Type 1-Injury with treatment		4	3	4	4	15
Fall Type 2-No treatment needed	4	1	2	2	5	14
Medication Error	1		3	2		6
Missing Property		1		2		3
Other	1	4	1	3	3	12
Procedural Treatment Error			1		1	2
Property Damage		3		1		4
Seizure	2					2
Self-Injurious behavior				2		2
Smoking Violation				1		1
Totals	18	41	20	29	23	131

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

EFFECT	3A	3B	5A	6A	6B	Count
Abrasion/scrape/scratch/hematoma		6	2	3	5	16
Body System Illness	1					1
Bruise/contusion/discoloration	2	3	1	2	1	9
Burn/Scald				1		1
Cellulitis		1	1			2
Death				2		2
Edema/swelling		1			2	3
Emesis			1			1
Fracture				1		1
Ingestion of foreign body				1		1
Lethargy	1		1	1	1	4
No Injury/NA	12	27	10	10	13	72
Other			2	4		6
Pain, Specified		3	2	2	1	8
Respiratory Distress				2		2
Seizure	2					2
Totals	18	41	20	29	23	131

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	5	5
Aggression	6	6
Assault, Pt./Pt	2	2
Assault, Pt./Staff	2	2
Change in Medical Status-Transferred	2	2
Contraband Possession	1	1
Fall Type 2-No treatment needed	2	2
Self-Injurious behavior	1	1
Sexual Behavior	1	1
Totals	22	22

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

Primary effect	TOR	Count
Abrasion/scrape/scratch/hematoma	1	1
Body System Illness	2	2
Bruise/contusion/discoloration	1	1
Edema/swelling	2	2
No Injury/NA	12	12
Pain, Specified	4	4
Totals	22	22

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
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%
Mar-11	Total Users	135	72	138	110	95	147	697	19	716
	% of Census	62%	41%	63%	54%	56%	54%	55%	14%	51%

Table 11 - Diabetes

Mar-11	Civil Hospitals							Forensic Centers			A21	LTC	Sys
	Cl	Dan	Nor	Tor	War	Wer	Ttl	Nor	Tor	Total	A21	SMRC	
Patient Census	218	174	219	205	171	272	1259	131	78	209	26	136	1630
Count	31	32	55	46	33	59	256	10	10	20	0	52	328
% w/ Diabetes	14%	18%	25%	22%	19%	22%	20%	8%	13%	10%	0%	38%	20%

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
Abrasion/scrape/scratch/hematoma		1						1
Body System Illness	2		2	1	3	1	6	15
Cellulitis			2					2
Constipation							1	1
Death					1			1
Edema/swelling					1			1
Emesis	1		2				2	5
Epistaxis		1						1
Erythema/redness							1	1
Fever	6							6
Fracture					1			1
Ingestion of foreign body			1	1			3	5
Laceration: NO sutures/staples/steri-strips			2					2
Laceration: with sutures/staples		1						1
Lethargy			1	4				5
No Injury/NA					2			2
Other	1	1	3	3	1		3	12
Pain, Specified		1	3	2	1		5	12
Respiratory Distress	2	1	1	2			1	7
Seizure							1	1
Sunburn			1					1
Syncopal episode	1							1
Unconscious/Unresponsive			1					1
Totals	13	6	19	15	8	1	23	85

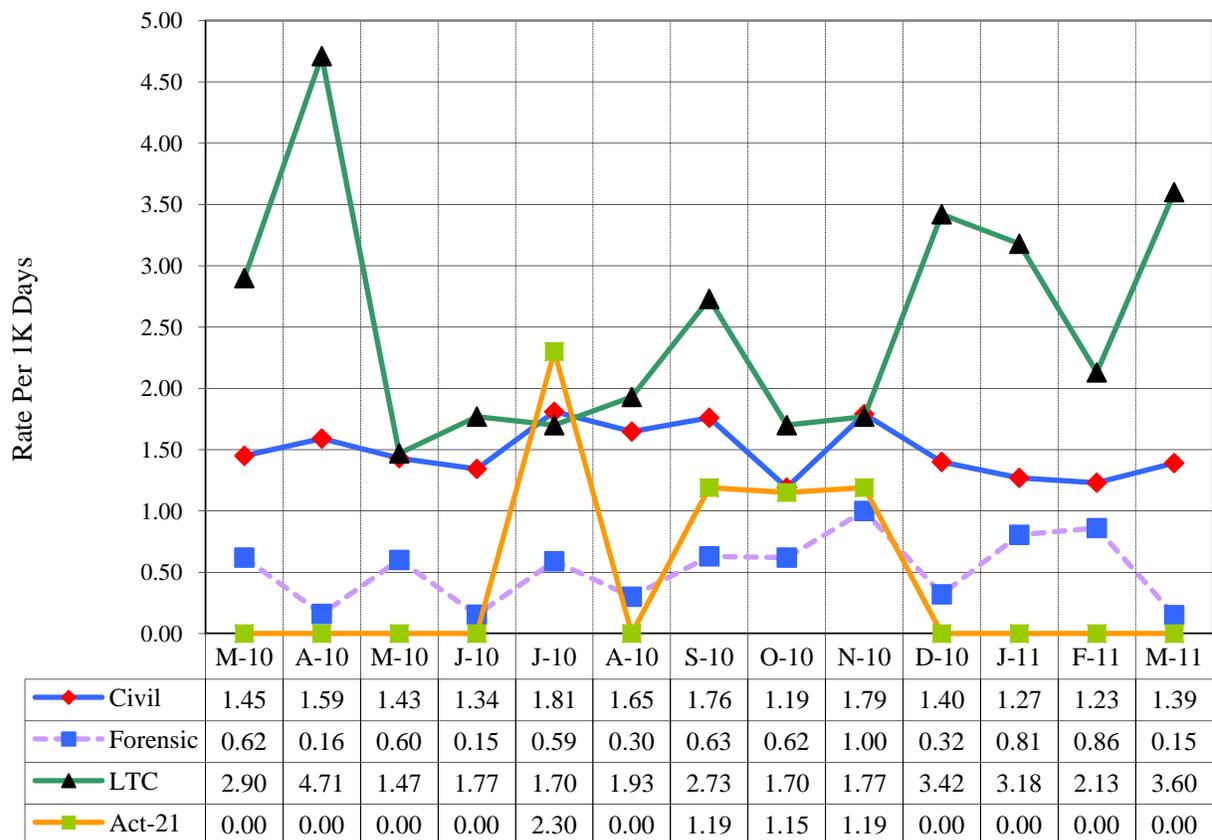
Falls

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	
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
Mar-11	0.89	0.74	1.90	1.13	1.36	2.02	1.39	0.24	0.00	0.15	0.00	3.60	1.39

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	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10	Jan_11	Feb_11	Mar_11
TOR	0.50		0.50										
WAR	0.50		0.50										

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

ABV	Total	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10	Jan_11	Feb_11	Mar_11
TOR	1	0	1	0	0	0	0	0	0	0	0	0	0
WAR	1	0	1	0	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
NOR	01C1	0.83
WER	37-2	0.50

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

ABV	Total	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10	Jan_11	Feb_11	Mar_11
CLA	0.65	0.00	0.00	0.40	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00
NOR	13.70	0.00	1.08	5.00	1.75	0.92	0.48	0.00	2.22	0.00	0.42	1.00	0.83
WAR	0.78	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00
WER	17.50	2.00	1.92	0.00	0.75	1.00	0.00	0.40	0.00	0.00	8.43	2.50	0.50

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

ABV	Total	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10	Jan_11	Feb_11	Mar_11
CLA	2	0	0	1	0	0	1	0	0	0	0	0	0
NOR	12	0	2	1	1	1	1	0	3	0	1	1	1
WAR	3	0	0	0	2	0	0	0	1	0	0	0	0
WER	21	3	4	0	1	1	0	1	0	0	8	2	1

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	4.90	NOR	51A1	0.14
TOR	FB4	3.82	WAR	3IM	0.08
TOR	062	1.45	WAR	3SW	0.08
CLA	3	1.03	NOR	01C1	0.07
TOR	023	0.98	WER	34-4	0.06
TOR	014	0.54	DAN	212	0.05
TOR	011	0.50	TOR	FC2	0.05
TOR	064	0.33	NOR	10C1	0.03
WER	37-2	0.33	NOR	51A2	0.03
TOR	013	0.25	WER	35-2	0.02
TOR	FB3	0.23	WER	35-4	0.01
CLA	7	0.22	WER	34-3	0.01
WER	37-3	0.20	NOR	51B2	0.01
NOR	10A1	0.17	DAN	311	0.003

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

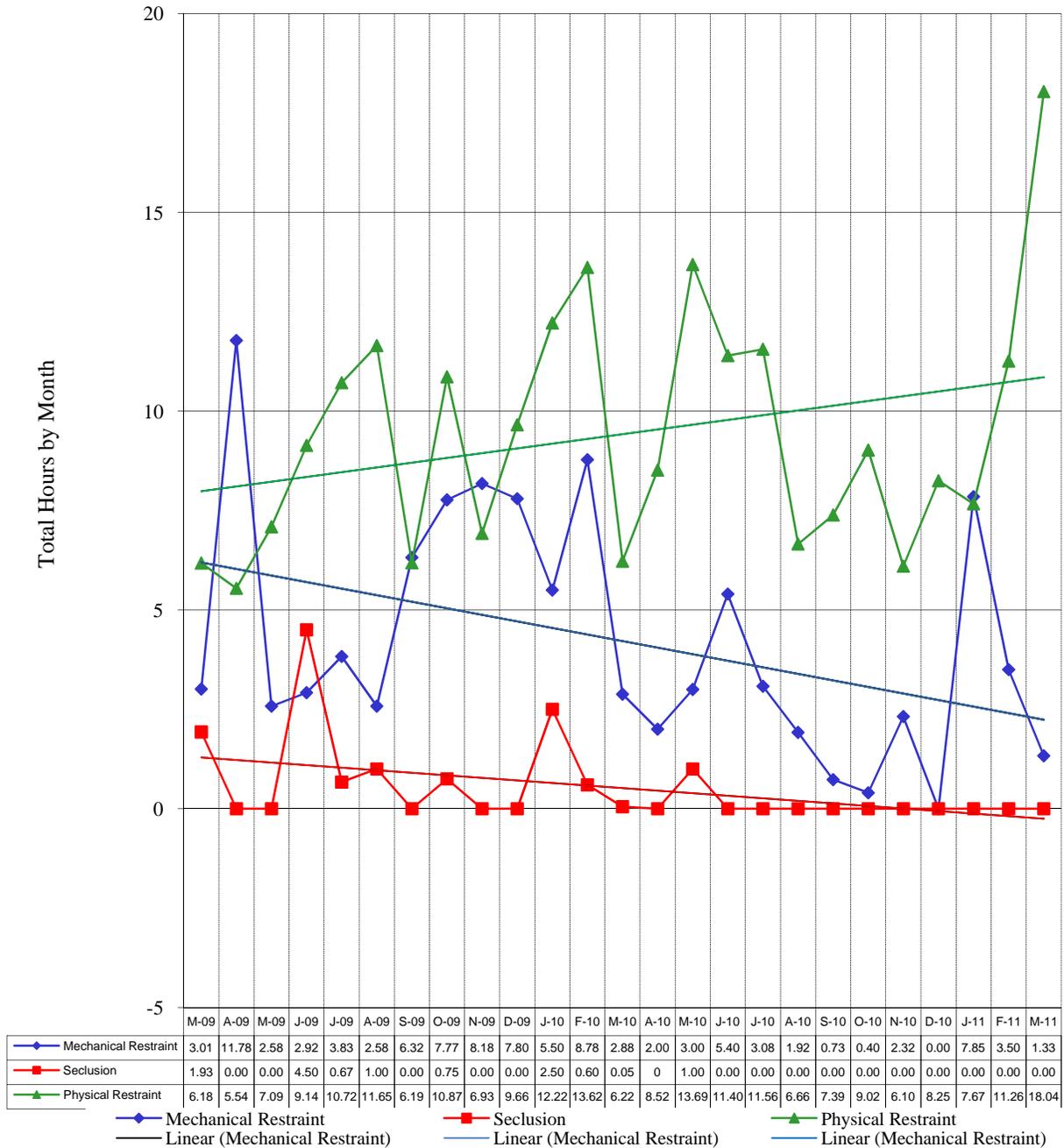
ABV	Total	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10	Jan_11	Feb_11	Mar_11
CLA	8.20	0.45	1.06	1.19	0.85	0.31	0.29	0.18	0.62	1.44	0.36	0.19	1.25
DAN	18.98	0.14	0.95	1.15	0.26	0.52	2.17	1.92	0.94	2.35	1.56	2.06	4.96
NOR	8.18	0.98	0.71	1.13	0.67	0.86	0.38	0.59	0.85	0.48	0.45	0.62	0.45
TOR	53.18	2.08	6.01	6.37	8.48	2.38	3.38	4.09	2.02	2.25	2.02	5.93	8.16
WAR	8.70	2.43	0.17	0.35	0.13	0.38	0.75	0.00	1.85	2.25	0.03	0.18	0.17
WER	20.80	2.43	4.85	1.02	1.14	2.26	0.42	1.91	0.71	0.30	2.92	2.25	0.62

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

ABV	Total	Apr_10	May_10	Jun_10	Jul_10	Aug_10	Sep_10	Oct_10	Nov_10	Dec_10	Jan_11	Feb_11	Mar_11
ALL	9	0	2	2	2	0	2	1	0	0	0	0	0
CLA	112	10	12	16	10	9	7	7	11	10	6	3	11
DAN	146	5	14	10	5	7	14	18	16	17	10	11	19
NOR	213	30	12	25	20	19	9	14	18	20	19	12	15
TOR	287	13	27	40	42	16	20	18	14	15	18	26	38
WAR	39	7	3	4	2	2	3	0	8	4	2	2	2
WER	174	20	23	15	9	24	14	18	15	7	11	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

March-11								Forensic			S RTP	Sys.
	Unscheduled Psych Meds	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	Total	S RTP
Number of Unique Patients	32	28	36	45	40	41	222	29	30	59	4	285
% of Census	14.7%	16.1%	16.4%	22.0%	23.4%	15.1%	17.6%	22.1%	38.5%	28.2%	15.4%	19.1%
Number of Early Med Events	1	1	0	7	23	14	46	0	1	1	1	48
Number of STAT meds	64	120	110	171	115	101	681	63	102	165	21	867
Rate per 1Kdays	9.45	22.33	16.11	27.66	22.30	12.02	17.59	15.41	41.72	25.25	25.18	18.81

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

Civil Section

Medication	CLA	NOR	TOR	WER	Total
Benadryl/Haloperidol	2				2
Benadryl/Lorazepam	1				1
Chlorpromazine/Hydroxyzine		1			1
Chlorpromazine/Lorazepam	2			1	3
Haloperidol/Chlorpromazine			1		1
Lorazepam/Fluphenazine		2			2
Lorazepam/Haloperidol	9	5	1	1	16
Olanzapine/Haloperidol			1		1
Olanzapine/Lorazepam	3			1	4
Totals	17	8	3	3	31

Forensic Section

Medication	NOR	Total
Lorazepam/Haloperidol	2	2
Totals	2	2

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

ABV	UNIT	Count									
TOR	FB4	52	WER	35-3	19	WER	37-2	11	TOR	FC2	6
WAR	3IM	48	WER	37-3	17	CLA	4	11	TOR	064	6
NOR	10A2	48	NOR	51C2	17	DAN	210	10	TOR	024	6
TOR	023	44	WER	34-4	16	TOR	021	9	TOR	012	5
TOR	014	43	NOR	51B2	16	NOR	51A1	9	WER	34-3	5
DAN	312	40	TOR	062	15	CLA	5	9	WAR	2SW	5
TOR	022	38	TOR	011	14	WAR	2NM	9	NOR	09AR	3
WAR	3SW	38	WAR	IBE	14	CLA	7	8	NOR	01C1	3
TOR	FC1	31	WER	35-4	13	CLA	6	7	NOR	10C1	3
DAN	212	27	TOR	FB3	13	CLA	1	7	NOR	51C1	3
DAN	310	26	TOR	013	12	WER	34-2	7	WER	37-1	2
NOR	10A1	25	NOR	51A2	11	NOR	51B1	7	NOR	09AF	2
CLA	3	22	DAN	311	11	DAN	211	6	WAR	3NM	1
NOR	01A1	20	WER	35-2	11	NOR	09CF	6			

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

Route	Civil							Forensic			S RTP
	CLA	DAN	NOR	TOR	WAR	WER	Cnt	NOR	TOR	Cnt	S RTP
IM	25	82	60	85	43	37	332	31	64	95	12
Oral	39	38	50	86	72	63	348	32	38	70	9
Other	0	0	0	0	0	1	1	0	0	0	0
Totals	64	120	110	171	115	101	681	63	102	165	21

Table 26 Psychiatric Use of STAT Medications by Shift for Month

Route	Civil					Forensic			
	ABV	D	E	N	Count	D	E	N	Count
CLA	27	33	4	64	Forensic				
DAN	66	45	9	120	34	26	3	63	
NOR	61	47	2	110	29	57	16	102	
TOR	46	105	20	171	S RTP				
WAR	41	47	27	115	2	19	0	21	
WER	46	42	13	101					
Totals	310	317	68	681					

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
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
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	20.83
Mar-11	9.45	22.33	16.11	27.66	22.30	12.02	18.31	6.96	15.41	41.72	28.57	25.18	21.83

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
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
Mar-11	146	99	119	91	102	145	702	34	29	63	3	768

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
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
Mar-11	12	48	20	52	51	55	238	8	10	18	0	256

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
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
Mar-11	55	58	114	53	46	111	437	25	19	44	0	481

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									
DAN	212	20	WER	35-3	8	TOR	024	4	TOR	021	2
NOR	01C1	19	CLA	4	8	DAN	311	4	TOR	FB4	2
NOR	51B2	16	NOR	10A1	7	WAR	3NM	4	TOR	FC2	2
NOR	51C2	14	DAN	210	6	TOR	011	4	WAR	3SW	2
DAN	310	14	CLA	5	6	WER	34-3	4	WAR	IBE	2
WER	37-3	11	WER	34-2	6	DAN	312	4	WER	34-4	2
TOR	022	11	NOR	51A1	6	WER	37-1	3	SMO	5A	2
WAR	3IM	10	TOR	013	6	CLA	3	3	CLA	2	1
CLA	7	10	NOR	51A2	6	TOR	FB3	3	TOR	062	1
WER	35-2	9	NOR	51B1	6	NOR	01A1	2	TOR	064	1
SMO	3B	9	SMO	3A	6	DAN	211	2	CLA	9	1
TOR	FC1	9	NOR	10C1	5	NOR	09AR	2			
NOR	09AF	8	WER	35-4	5	NOR	51C1	2			
TOR	023	8	WER	37-2	4	SMO	6B	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.	
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
Mar-11	1.48	1.12	2.78	0.81	0.19	1.07	1.29	5.38	2.45	4.29	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	37-3	13	DAN	210	4	TOR	062	2
WER	37-2	9	DAN	311	4	SMO	6A	1
SMO	3B	9	TOR	FB4	3	TOR	023	1
DAN	212	7	WER	34-4	3	WAR	3IM	1
NOR	01C1	7	DAN	310	2	WAR	IBE	1
DAN	312	6	CLA	7	2	SMO	5A	1
WER	35-3	4	NOR	10A1	2			
NOR	51A1	4	WER	35-2	2			
WER	34-3	4	NOR	01A1	2			
CLA	3	4	WER	35-4	2			

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
	Cl a	Dan	Nor	Tor	War	Wer	Tot.	Nor	Tor	Tot.	S RTP
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
Mar-11	0.30	1.86	0.88	0.00	0.19	1.55	0.83	0.73	0.41	0.61	0.00