



Danville State Hospital Nurses  
Circa 1930

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*Commonwealth of Pennsylvania  
Department of Public Welfare  
Office of Mental Health & Substance Abuse Services  
Bureau of Community & Hospital Operations*

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*State Hospital Risk Management Summary Report  
For April 2009*

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## Table of Contents

Census and Rates of Incidents	Table 1	Page 2
Thirteen-Month Trend of Incidents		Page 2
Six-Month Summary of High Profile Events		Page 3
Category or Cause of Incidents: Civil	Table 2	Page 4
Primary Effect of Incidents: Civil	Table 3	Page 5
Category or Cause of Incidents: Forensic	Table 4	Page 6
Effect of Incidents: Forensic	Table 5	Page 6
Cause of Incidents: Long Term Care	Table 6	Page 7
Effect of Incidents: Long Term Care	Table 7	Page 7
Cause of Incidents: SRTP	Table 8	Page 8
Effect of Incidents: SRTP	Table 9	Page 8
Tobacco Users	Table 10	Page 9
Diabetes	Table 11	Page 9
Reasons for Hospitalization as a Result of an Incident	Table 12	Page 9
13-Month Rate of Type 1 Falls per 1,000 Days of Care	Table 13	Page 10
13-Month Trend of Type 1 Falls		Page 10
Hours of Seclusion Use	Table 14	Page 11
Number of Seclusion Events	Table 15	Page 11
Total Hours of Mechanical Restraint by Unit	Table 16	Page 11
Hours of Mechanical Restraint Use: 12 Months	Table 17	Page 11
Number of Mechanical Restraint Events: 12 Months	Table 18	Page 11
Hours of Physical Restraint Use by Unit	Table 19	Page 12
Hours of Physical Restraint Use: 12 Months	Table 20	Page 12
Number of Physical Restraint Events: 12 Months	Table 21	Page 12
24-Month Trend of Restraint and Seclusion Hours		Page 13
Count of STAT Medications for Psychiatric Indications	Table 22	Page 15
STAT Use of Multiple Medications for Psychiatric Indications	Table 23	Page 15
Psychiatric Use of STAT Medications by Unit	Table 24	Page 1
Route of STAT Medications for Psychiatric Reasons	Table 25	Page 15
Psychiatric Use of STAT Medications by Shift	Table 26	Page 15
Psychiatric Use of STAT Medications per 1,000 Days-of-Care	Table 27	Page 15
Benzodiazepines	Table 28	Page 16
Multiple Atypicals	Table 29	Page 16
Typical-Atypical	Table 30	Page 16
Patient-to-Patient Assaults by Unit	Table 31	Page 17
13-Month Rate of Patient-to-Patient Assault Events with Injury per 1,000 Days-of-Care	Table 32	Page 17
Patient-to-Staff Assaults by Unit	Table 33	Page 18
13-Month Rate of Patient-to-Staff Assaults with Injury to Staff per 1,000 Days-of-Care	Table 34	Page 18

## State Hospital Risk Management Summary Report April 2009

The State Hospital Risk Management System defines an incident as any patient-related event that has the potential for, or which results in, a negative impact upon the quality of patient care or services, including injury or death of a person served in the state hospital system. Page 3 of this summary report provides further detail on the specific kinds of events covered by this system.

Effective October 1, 2008, the data dictionary for specific incident measures were updated and are reflected in this report.

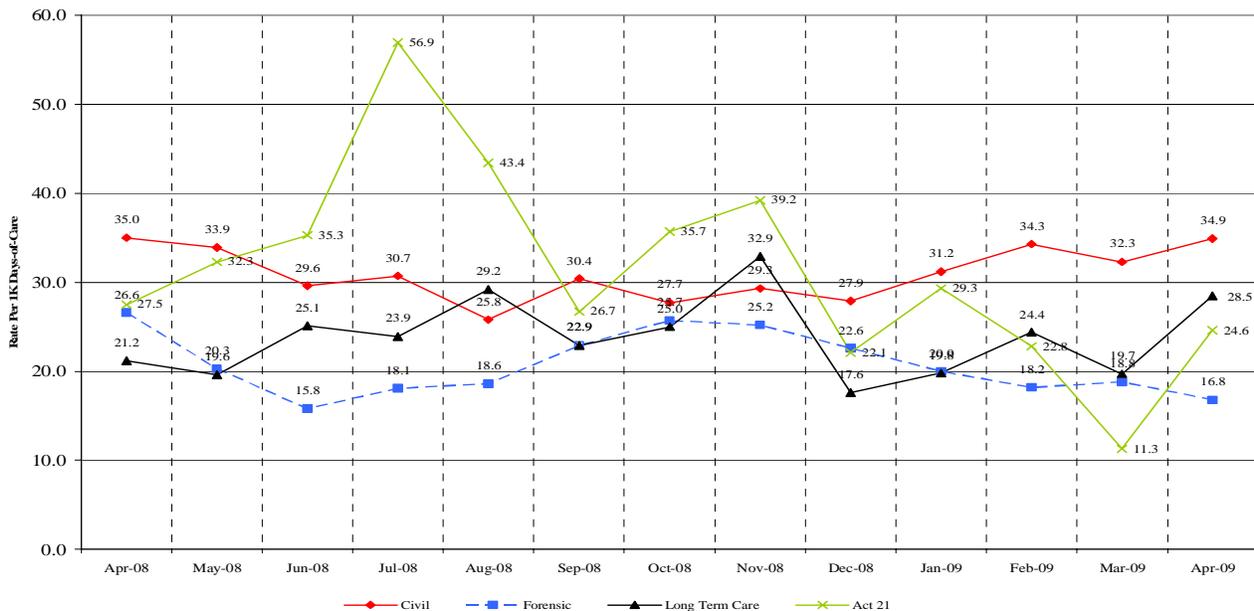
During **April** a total of 1670 incident reports were completed by the state hospital system, which is an increase of 89 events from the previous month. Additionally, 4 prior month records were added to the database. These records are included in all monthly comparisons (page 3) made in this summary report. The following is a breakdown of incidents by individual facility and type of care:

**Table 1**

**April 2009**

Civil	4/30/2009	Days Provided	Incidents	Per 1000 Days-of-Care
Allentown	173	5194	340	65.5
Clarks Summit	221	6553	129	19.7
Danville	163	4834	113	23.4
Norristown	247	7390	307	41.5
Torrance	210	6032	237	39.3
Warren	151	4570	80	17.5
Wernersville	214	6426	223	34.7
<b>Total Civil</b>	<b>1379</b>	<b>40999</b>	<b>1429</b>	<b>34.9</b>
<b>Forensic</b>				
Norristown	131	3879	61	15.7
Torrance	62	1908	30	15.7
Warren	23	754	19	25.2
<b>Total Forensic</b>	<b>216</b>	<b>6541</b>	<b>110</b>	<b>16.8</b>
<b>Act 21</b>				
Act 21	23	690	17	24.6
<b>Total Act 21</b>	<b>23</b>	<b>690</b>	<b>17</b>	<b>24.6</b>
<b>Long Term Care</b>				
South Mountain	133	3998	114	28.5
<b>Total L. T. C.</b>	<b>133</b>	<b>3998</b>	<b>114</b>	<b>28.5</b>
<b>Total</b>	<b>1751</b>	<b>52228</b>	<b>1670</b>	<b>32.0</b>

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



**Summary of Hospital Risk Management Data  
Major Categories Only & All Levels of Care  
(Civil, Forensic, LTC and Act-21)**

(A + or – next to any counts reflects data or records added, changed or deleted from the system since the last report)

<b>Primary Cause or Effects of High Profile Events</b>	<b>11/08</b>	<b>12/08</b>	<b>1/09</b>	<b>2/09</b>	<b>3/09</b>	<b>4/09</b>
Total number of reported airway obstructions or choking incidents at all facilities (Type 1 & 2):	5	9	8	3	5	5
Total number of AWOL's & UA's all facilities:	27	37	23	44	46	39
Total number of falls (Type 1 & 2) at all facilities:	159	149	165	146	-165	154
Total number of reported falls involving consumers age 65 or older:	48	40	38	49	45	39
Total number of reported falls involving consumers age 75 or older:	10	13	10	19	-17	13
Total number of reported fire setting events:	0	1	1	0	1	1
Total number of reported incidents involving a bone fracture:	3	2	8	2	4	6
Total number of reported deaths for this report period:	6	-5	4	6	4	4
Total number of reported incidents involving a burn or scald:	3	3	4	6	6	5
Total number of reported incidents involving a cut or laceration requiring sutures, steri-strips or glue:	15	8	16	17	11	18
Total number of reported incidents of patient-to-patient assault (see note below):	394	342	376	375	350	418
Total number of reported incidents of patient-to-staff assaults:	100	92	110	133	93	118
Total number of reported incidents involving alleged abuse:	-1	-1	-8	-14	-9	17
Total percentage for the month of reported incidents involving no physical injury to the Patient:	67%	67%	68%	69%	70%	70%
Total incidents of physical restraint used for the month:	87	90	105	110	86	70
Total hours of physical restraint used for the month:	8.683	9.922	11.111	10.397	6.178	5.544
Incidents of mechanical restraint use for the month:	11	3	11	16	5	4
Total hours of mechanical restraint used for the month:	12.70	4.33	7.43	14.27	3.01	11.78
Total reported incidents involving the use of seclusion:	0	1	1	4	2	0
Total hours of seclusion used for the month:	0	1.00	.08	6.00	1.93	0
Total number of reported incidents coded as alleged sexual assault:	4	4	0	-5	3	4
Total number of reported incidents of attempted suicide:	2	4	6	2	2	5
Total number of reported incidents involving the threat or plan of suicide:	11	7	23	8	12	16
Total number of reported incidents of illicit drug use/possession:	1	2	4	2	1	3
Total number of medication errors:	69	46	43	4	+60	46
Total number of STAT medications administered for psychiatric indications:	+980	1042	+1078	+1124	+938	896

**\*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**  
**April 2009**

Primary Cat #	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Accident-Injury	9	4	8	7	8	3	8	47
Adverse Drug Reaction	2	5			1	1		9
Aggression	16	7	2	45	21	10	28	129
Airway Obstruction type 1 Intervention						1		1
Airway Obstruction type 2 No Intervention						1	1	2
Alleged Nonconsensual Sexual Activity	2			1		1		4
Alleged Pt. Abuse	5	1		7	2		2	17
Assault, Pt./Pt	76	27	22	107	48	16	51	347
Assault, Pt./Staff	29	14	6	17	12	5	20	103
Assault: Patient/Other	2						1	3
AWOL/UA	4	1		4	3	2	1	15
AWOL-Attempt	2	2		1	2	1		8
AWOL-Late	3	1	3		4	5		16
Change in Medical Status-Stabilized	1			2	2			5
Change in Medical Status-Transferred	16	5	2	14	10		5	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	2		1			4
Community Incident	2		2	1	2			7
Contraband Possession	8		9	6	7	2	3	35
Fall Type 1-Injury with treatment	5	16	5	7	15	2	3	53
Fall Type 2-No treatment needed	11	11	6	3	15	9	27	82
Family Concern	1				7			8
Fire Setting	1							1
Illicit Substance Use/Possession	1		1			1		3
Indeterminate/Unconfirmed Cause of Injury	2	5	7	4	5	3	4	30
Medication Error	8	3	5	7	2	1	8	34
Missing Property	5		2	1	6		5	19
Other	62	12	5	22	18	3	32	154
Procedural Treatment Error	4		2					6
Property Damage	5	2	2	1	3		2	15
Seizure		2		2			5	9
Self-Injurious behavior	17	7	15	8	27	6	5	85
Sexual Behavior	12		1	11		3	2	29
Smoking Violation	20			19	9			48
Substantiated Patient Abuse			1		1		3	5
Suicide Attempt	3					1		4
Suicide threat/plan	2	1	5	2	2			12
Theft	2	1		8	3	1		15
Unknown						2	2	4
Unsubstantiated Patient Abuse	1				1		3	5
Totals	340	129	113	307	237	80	223	1429

**Table 3**

Primary effect	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Abrasion/scrape/scratch/hematoma	8	19	21	15	18	8	11	100
Allergic reaction							1	1
Bite-Human				1				1
Bite-Insect					1			1
Blister					1			1
Body System Illness		5	1	7	4		3	20
Bruise/contusion/discoloration	5	11	7	7	17	7	10	64
Burn/Scald	3					1		4
Cellulitis	1	1						2
Constipation	1				1			2
Death	1	1						2
Dislocation							1	1
Edema/swelling	1			3	5	1	1	11
Emesis	4	1			2			7
Epistaxis	2			4	1	1		8
Erythema/redness	2	1	6	6	8	1	1	25
Fever	2						1	3
Fracture	3						1	4
Ingestion of foreign body	3	1		6	5		2	17
Laceration: NO sutures/staples/steri-strips	4	2		8	4		4	22
Laceration: with steristrips/glue	1	2	1		2		2	8
Laceration: with sutures/staples		4			4			8
Lethargy	2	2	1	2	1	1		9
Muscle pull/strain/sprain	1					1		2
No Injury/NA	275	76	72	228	150	51	166	1018
Other	9			8	4	2	8	31
Pain unspecified					1		1	2
Pain, Specified	8	2	3	9	8	2	6	38
Puncture/stab wound						1		1
Respiratory Distress	1						1	2
Seizure	1						1	2
Skin Irritation/Rash			1			2	1	4
Syncopal episode		1		1				2
Unconscious/Unresponsive	2			1		1	1	5
Visual changes				1				1
Totals	340	129	113	307	237	80	223	1429

## Cause and Effect of Incidents in the Forensic Units

**Table 4** **Category or Cause of Incidents in the Forensic Service by Unit**

Primary Cat #	51A1	51A2	51B1	51B2	51C1	51C2	FOR	FB4	FC1	FC2	Count
Accident-Injury			1		3						4
Aggression	3	6		2		3	1	2	1	2	20
Airway Obstruction type 1 Intervention			1								1
Assault, Pt./Pt	2	2	2		8	6	12	2	7	11	52
Assault, Pt./Staff				3			1			2	6
Change in Medical Status-Transferred			2	2							4
Contraband Possession						1					1
Fall Type 1-Injury with treatment						2					2
Fall Type 2-No treatment needed						1					1
Indeterminate/Unconfirmed Cause of Injury					1						1
Medication Error			1				1				2
Other	2				1		1	1			5
Seizure						1					1
Self-Injurious behavior				2			3			1	6
Sexual Behavior	1										1
Suicide threat/plan					1				1		2
Unsubstantiated Nonconsensual Sexual Activity				1							1
Totals	8	8	7	10	14	14	19	5	9	16	110

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

EFFECT	51A1	51A2	51B1	51B2	51C1	51C2	FOR	FB4	FC1	FC2	Count
Abrasion/scrape/scratch/hematoma		2			1		3		1	3	10
Bruise/contusion/discoloration					2	1	1		1		5
Erythema/redness						1				1	2
Ingestion of foreign body							1				1
Laceration: NO sutures/staples/steri-strips					1						1
Laceration: with steristrips/glue										1	1
No Injury/NA	8	6	4	8	5	8	13	3	7	11	73
Other			1		2	2		1			6
Pain, Specified			1	2	3	1	1	1			9
Seizure						1					1
Sunburn			1								1
Totals	8	8	7	10	14	14	19	5	9	16	110

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

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

Cause	3A	3B	5A	6A	6B	Count
Accident-Injury	1	2	5	4	6	18
Aggression			2	1	11	14
Airway Obstruction type 1 Intervention			1			1
Assault, Pt./Pt	8		2	2	1	13
Assault, Pt./Staff		1	1		4	6
Change in Medical Status-Stabilized			1			1
Change in Medical Status-Transferred	1	2	2	4		9
Communications Sys. Misuse					1	1
Community Incident	1			1		2
Contraband Possession			1			1
Fall Type 1-Injury with treatment		3	1	2		6
Fall Type 2-No treatment needed	1	3	1	2	3	10
Family Concern			1		1	2
Medication Error	2	3	2	2	1	10
Other			3	3	8	14
Procedural Treatment Error			1			1
Property Damage	1					1
Smoking Violation			1			1
Suicide Attempt					1	1
Suicide threat/plan			1		1	2
Totals	15	14	26	21	38	114

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

EFFECT	3A	3B	5A	6A	6B	Count
Abrasion/scrape/scratch/hematoma	2	1	3	6	4	16
Bruise/contusion/discoloration		1	2	1		4
Death					2	2
Emesis		1		1		2
Fracture		2				2
Laceration: NO sutures/staples/steri-strips		1	2			3
Laceration: with steristrips/glue				1		1
No Injury/NA	11	7	16	8	32	74
Other			1	2		3
Pain, Specified	2	1	1	1		5
Syncopal episode			1			1
Unconscious/Unresponsive				1		1
Totals	15	14	26	21	38	114

## 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	1	1
Assault, Pt./Pt	6	6
Assault, Pt./Staff	3	3
Self-Injurious behavior	3	3
Totals	17	17

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

Primary effect	TOR	Count
Abrasion/scrape/scratch/hematoma	6	6
Bite-Insect	1	1
Bruise/contusion/discoloration	1	1
Burn/Scald	1	1
No Injury/NA	8	8
Totals	17	17

## 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](http://www.mentalhealthamerica.net)), the NASMHPD report revealed that people with SMI die on average 25 years earlier than the general population. The major natural causes of death for people with SMI are heart disease, diabetes, respiratory disease and infectious disease. Many of the risk factors for these diseases are modifiable. Beginning June 2008, the state began compiling and comparing data on the number of tobacco users (Table 10) in our state hospitals. Beginning July 2008, the state began compiling and comparing data on the number of consumers who have a diagnosis of diabetes (Table 11).

**Civil and Long Term Care  
Tobacco Users on Last Day of Month**

**Table 10**

Date		ALL	CLA	DAN	NOR	TOR	WAR	WER	Civil Total	LTC	System Total
Jul-08	Total Users	112	134	75	169	112	97	112	811	7	818
	% of Census	65%	72%	47%	66%	55%	55%	54%	59%	5%	55%
Oct-08	Total Users	110	140	81	181	120	105	121	858	11	869
	% of Census	63%	60%	51%	72%	57%	61%	58%	61%	8%	56%
Jan-09	Total Users	107	130	84	178	121	92	121	833	10	843
	% of Census	61%	60%	54%	72%	56%	55%	58%	60%	7%	55%
Apr-09	Total Users	105	135	77	165	108	92	118	800	12	812
	% of Census	61%	61%	47%	67%	53%	61%	55%	58%	9%	54%

*Note: Smoking is not permitted in the Forensic Centers.*

**Table 11**

### Diabetes

M/Year	Civil Hospitals								Forensic Centers				A21	LTC	Sys
	All	Cla	Dan	Nor	Tor	War	Wer	Ttl	Nor	Tor	War	Total	A21	SMRC	
Apr09 Patient Census	173	221	163	247	210	151	214	1379	131	65	26	222	23	133	1751
Apr09 Count	47	38	39	56	47	30	42	299	12	8	3	23	0	39	361
% w/ Diabetes	27%	17%	24%	23%	22%	20%	20%	22%	9%	12%	12%	10%	0%	29%	21%

### Hospitalizations as a Result of an Incident

The Risk Management System requires that an incident report form be completed anytime a person is transported from a state hospital to an acute care hospital. This includes if the person was only seen in the emergency room, received diagnostic tests and/or was actually admitted. It does **not** include hospitalizations for a preplanned procedure, test or surgery. Table 12 provides detail on the reasons for an acute care hospitalization during this report period.

**Table 12**

### Reasons for Hospitalizations as the Result of an Incident, All Levels of Care April 2009

Cause	ALL	CLA	DAN	NOR	SMO	TOR	WAR	WER	Count
Accident-Injury	1								1
Aggression							1		1
Alleged Nonconsensual Sexual Activity							1		1
Alleged Pt. Abuse				1					1
Assault, Pt./Pt	2								2
Change in Medical Status-Transferred	15	5	2	14	8	9		3	56
Community Incident			1						1
Fall Type 1-Injury with treatment	1	1				1	1		4
Family Concern						1			1
Illicit Substance Use/Possession	1								1
Indeterminate/Unconfirmed Cause of Injury				1		1			2
Medication Error	1								1
Other	1			2		1	1	2	7
Seizure				1					1
Self-Injurious behavior	3			3		1	1	1	9
Totals	25	6	3	22	9	13	5	6	89

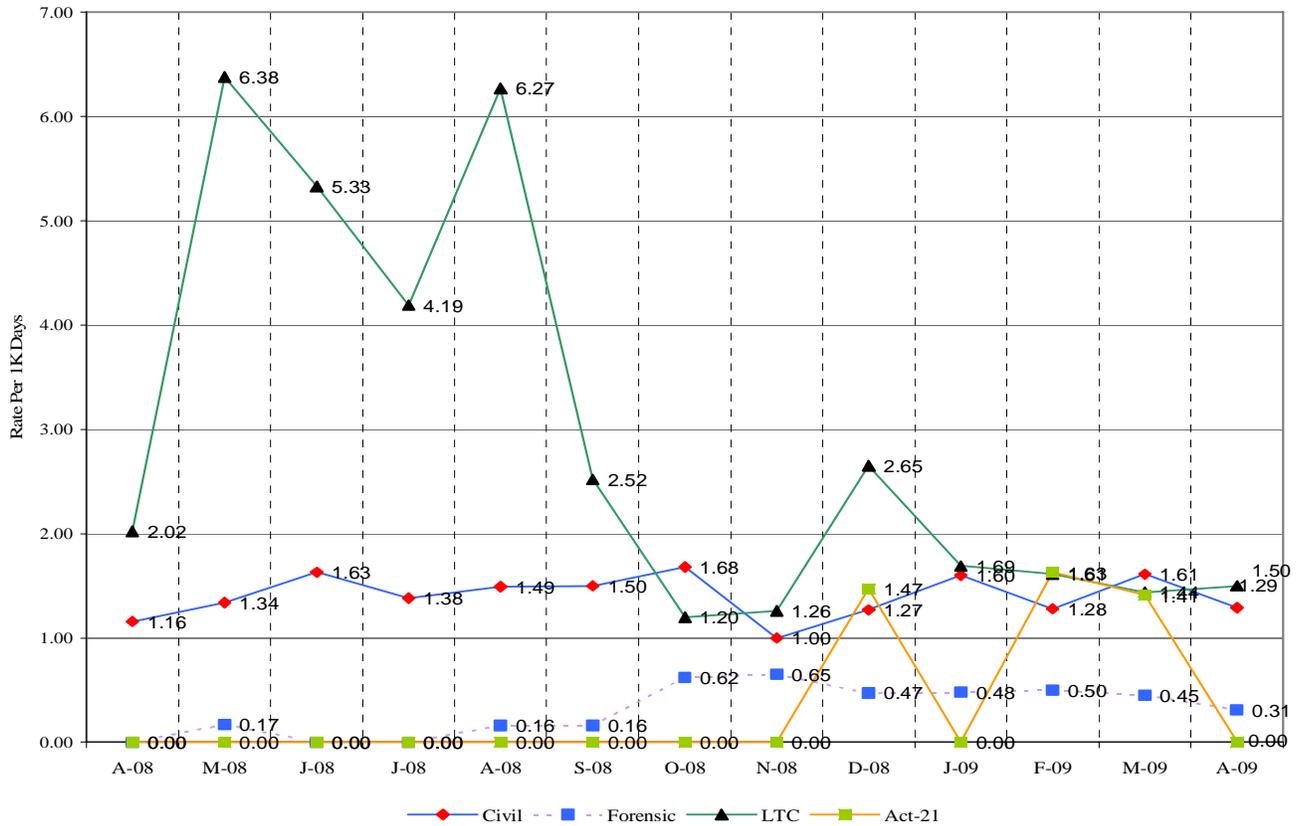
## Falls

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

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

M/Year	Civil Hospital									Forensic Center				A21	LTC	Sys Avg	
	All	Cla	Dan	May	Nor	Tor	War	Wer	Ttl	May	Nor	Tor	War	Total	A21		SMRC
Apr-08	2.33	1.35	2.24	0.82	0.88	0.95	0.19	0.79	1.16	0.00	0.00	n/a	0.00	0.00	0.00	2.02	1.09
May-08	1.69	1.90	1.00	1.67	0.36	1.57	0.74	2.00	1.34	0.00	0.28	n/a	0.00	0.17	0.00	6.38	1.32
Jun-08	1.94	1.37	2.35	1.65	0.76	2.53	1.34	1.59	1.63	0.00	0.00	n/a	0.00	0.00	0.00	5.33	1.71
Jul-08	1.13	2.35	1.45	1.30	0.90	2.15	0.74	0.92	1.38	0.00	0.00	n/a	0.00	0.00	0.00	4.19	1.42
Aug-08	1.31	2.49	2.43	2.39	0.38	0.83	1.66	1.24	1.49	0.00	0.28	n/a	0.00	0.16	0.00	6.27	1.68
Sep-08	0.58	2.35	2.69	1.09	0.79	2.15	0.58	1.59	1.50	0.54	0.00	n/a	0.00	0.16	0.00	2.52	1.40
Oct-08	0.93	1.11	1.82	2.11	1.66	3.20	1.69	1.23	1.68	0.00	1.03	n/a	0.00	0.62	0.00	1.20	1.51
Nov-08	0.58	0.57	0.61	0.68	0.92	1.89	1.35	1.12	1.00	0.00	0.52	0.00	2.48	0.65	0.00	1.26	0.97
Dec-08	1.31	0.43	0.60	0.00	1.28	3.50	1.14	0.62	1.27	n/a	0.50	0.00	1.21	0.47	1.47	2.65	1.27
Jan-09	1.86	2.66	0.81	n/a	1.82	1.68	1.34	0.77	1.60	n/a	0.50	0.00	1.30	0.48	0.00	1.69	1.46
Feb-09	1.03	1.64	1.13	n/a	1.51	1.38	0.87	1.20	1.28	n/a	0.25	0.00	2.98	0.50	1.63	1.61	1.21
Mar-09	0.93	1.34	1.22	n/a	1.98	3.34	1.65	0.61	1.61	n/a	0.49	0.58	0.00	0.45	1.41	1.44	1.45
Apr-09	0.96	2.44	1.03	n/a	0.95	2.49	0.44	0.47	1.29	n/a	0.52	0.00	0.00	0.31	0.00	1.50	1.17

**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	May_08	Jun_08	Jul_08	Aug_08	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	Total
MAY		0.50		0.50	0.58	1.00							2.58
NOR									0.08				0.08
WAR					0.83			1.00		6.00	1.93		9.77
Total	0.00	0.50	0.00	0.50	1.42	1.00	0.00	1.00	0.08	6.00	1.93	0.00	12.43

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

ABV	May_08	Jun_08	Jul_08	Aug_08	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	Total
MAY	0	1	0	1	2	1	0	0	0	0	0	0	5
NOR	0	0	0	0	0	0	0	0	1	0	0	0	1
WAR	0	0	0	0	2	0	0	1	0	4	2	0	9
Total	0	1	0	1	4	1	0	1	1	4	2	0	15

**State Hospital Use of Mechanical Restraint  
Civil and Forensic**

Data on mechanical restraint use for psychiatric reasons includes the forensic and civil populations and is reported for both monthly and yearly totals.

**Table 16 Total Hours of Mechanical Restraint Use by Hospital and Unit  
April 2009**

ABV	WARD	Total Hrs
WER	34-4	10.78
NOR	10A1	1.00
Total		11.78

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

ABV	May_08	Jun_08	Jul_08	Aug_08	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	Total
CLA	0.75	0.00	0.42	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.65
NOR	1.67	1.43	2.17	1.50	1.00	0.00	0.00	0.00	1.50	1.00	0.17	1.00	11.43
WAR	0.33	0.33	1.33	0.00	0.00	0.00	0.00	0.00	1.02	1.47	0.67	0.00	5.15
WER	11.97	9.50	13.58	2.27	5.20	4.17	12.70	4.33	4.92	11.80	2.17	10.78	93.38
Total	14.72	11.27	17.50	3.77	6.68	4.17	12.70	4.33	7.43	14.27	3.00	11.78	111.62

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

ABV	May_08	Jun_08	Jul_08	Aug_08	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	Total
CLA	1	0	1	0	1	0	0	0	0	0	0	0	3
NOR	2	2	4	1	1	0	0	0	1	2	1	1	15
WAR	1	1	2	0	0	0	0	0	4	5	2	0	15
WER	9	7	13	3	8	5	11	3	6	9	2	3	79
Total	13	10	20	4	10	5	11	3	11	16	5	4	112

**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**  
**April 2009**

WARD	Total	ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total
3SW	2.000	WER	35-3	0.183	TOR	012	0.083	NOR	09AF	0.029
M6	0.555	NOR	10A1	0.136	DAN	312	0.075	WER	34-2	0.022
3	0.383	TOR	023	0.133	NOR	01A1	0.047	NOR	09CF	0.017
51B2	0.383	DAN	310	0.108	DAN	211	0.033	CLA	5	0.017
M4	0.233	ALL	M5	0.083	NOR	51C2	0.033	DAN	212	0.013
2W	0.233	TOR	071	0.083	CLA	2	0.033	Total		5.544
7	0.200	TOR	024	0.083	TOR	FC2	0.033			
6	0.192	NOR	01C1	0.083	WER	34-4	0.033			

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

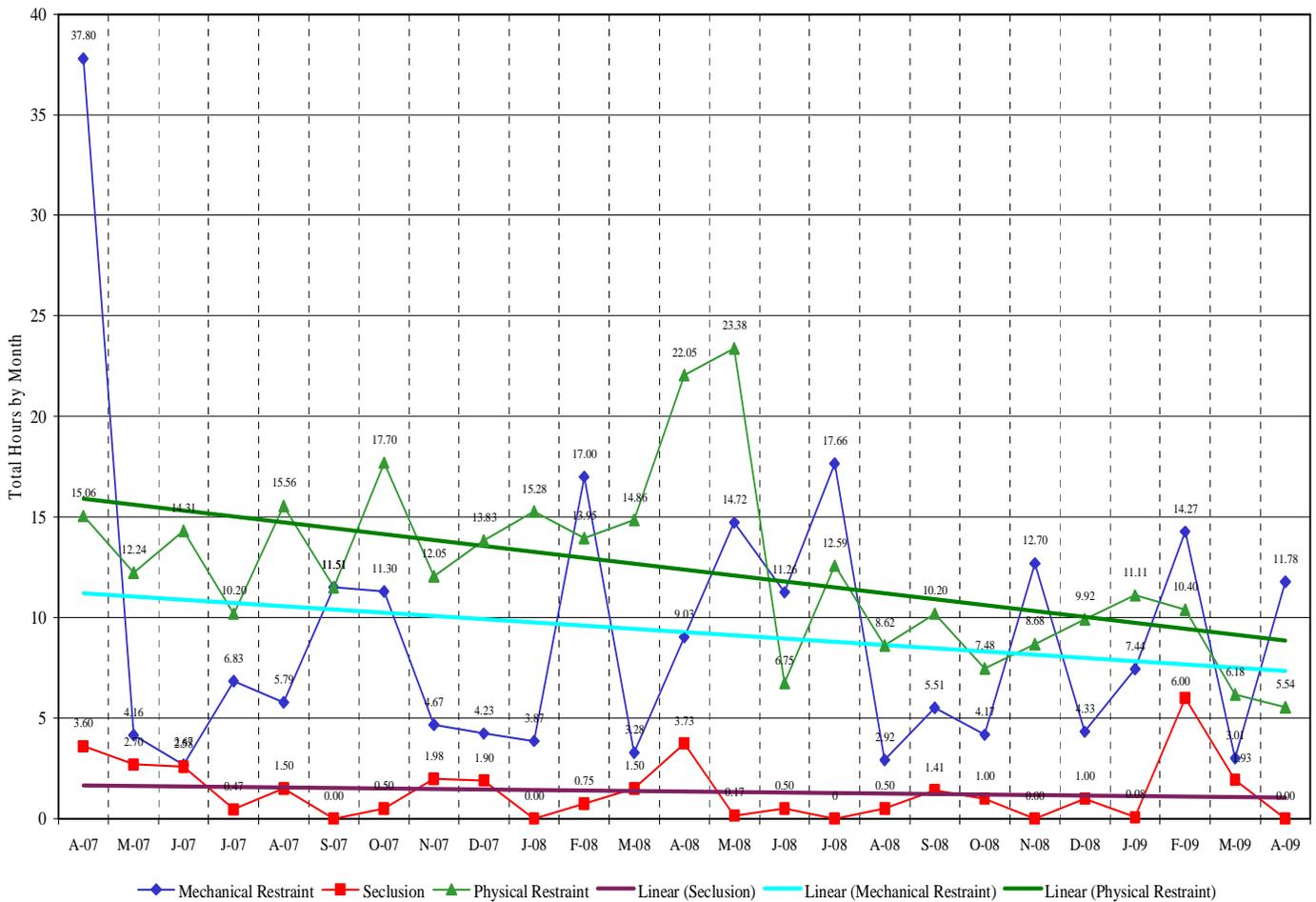
ABV	May_08	Jun_08	Jul_08	Aug_08	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	Total
ALL	0.117	0.383	1.888	0.167	1.929	0.482	0.819	0.625	0.179	0.588	0.036	1.105	8.317
CLA	1.575	0.233	0.606	0.967	0.913	0.589	0.671	0.475	0.508	0.425	1.017	0.825	8.803
DAN	5.054	0.533	0.225	0.238	0.613	0.281	0.365	0.138	0.244	0.304	0.814	0.229	9.039
MAY	0.837	0.658	0.567	0.450	0.442	0.175	0.017	0.000	0.000	0.000	0.000	0.000	3.146
NOR	1.871	1.508	1.104	1.050	0.647	1.019	1.078	0.543	0.918	1.939	0.999	0.729	13.406
TOR	7.825	0.583	4.329	3.414	1.900	3.067	1.017	4.733	2.029	1.650	0.618	0.417	31.582
WAR	4.667	2.183	3.350	1.933	1.967	0.833	2.867	2.083	6.500	4.183	2.683	2.000	35.250
WER	1.417	1.072	1.817	0.904	1.874	1.350	2.017	1.325	0.733	1.308	0.328	0.239	14.383
Total	23.363	7.156	13.885	9.122	10.283	7.796	8.850	9.922	11.112	10.397	6.495	5.544	123.925

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

ABV	May_08	Jun_08	Jul_08	Aug_08	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Apr_09	Total
ALL	2	4	13	1	13	7	8	9	5	8	2	7	79
CLA	16	9	10	20	9	7	13	9	15	6	24	14	152
DAN	34	6	5	4	15	6	16	7	12	10	13	10	138
MAY	13	11	10	7	6	5	1	0	0	0	0	0	53
NOR	41	29	21	15	19	21	18	13	27	35	24	21	284
TOR	34	7	29	19	13	24	8	22	12	18	8	7	201
WAR	18	8	10	11	9	10	9	10	24	15	11	5	140
WER	14	16	17	9	25	15	15	20	10	18	8	6	173
Total	172	90	115	86	109	95	88	90	105	110	90	70	1220

## 24-Month Trend of Mechanical Restraint, Physical Restraint and Seclusion Use

The following table represents the total hours of mechanical restraint use, physical restraint use and seclusion use for two years. This data includes the forensic and civil populations with the data being reported to the second and expressed below as a percentage of an hour.



### Psychiatric Use of STAT Medications

Starting April 1, 2004 the Civil and Forensic services of the hospital system began recording their daily use of psychiatric PRN and STAT medications administered each day. Following a 12-month review, the psychiatric use of PRN orders was discontinued at all hospitals on April 1, 2005. Medical uses of PRN and STAT med orders were not affected by this change. Effective July 1, 2007 any medication ordered by a physician to be given earlier than originally scheduled for psychiatric indications, is included in the STAT medication database. The following tables are taken from this database. Table 22 differentiates between STAT and early medications, while the other tables do not include early meds.

**Table 22** **Count of STAT Medications Administered for Psychiatric Indications**

April-09	Civil												S RTP	Sys. Total
Unscheduled Psych Meds	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Total	S RTP	Total
Number of Unique Patients	21	26	28	40	52	36	34	237	15	19	7	41	3	281
% of Census	12.1%	11.8%	17.2%	16.2%	24.8%	23.8%	15.9%	17.2%	11.5%	30.6%	30.4%	19.0%	13.0%	17.4%
Number of Early Med Events	13	0	1	0	2	27	1	44	0	1	12	13	1	58
Number of STAT meds	50	103	127	125	180	97	118	800	35	47	8	90	6	896
Rate per 1Kdays	12.13	15.72	26.48	16.91	30.17	27.13	18.52	20.59	9.02	25.16	26.53	15.75	10.14	19.78

**Table 23** **STAT Use of Multiple Medications for Psychiatric Indications**

	Civil									Forensic			
STAT Use of Combo Meds	All	Cla	Dan	Nor	Tor	War	Wer	Cnt	Nor	Tor	War	Cnt	
Chlorpromazine/Lorazepam	2	1	2	0	2	0	2	9	0	0	0	0	
Haloperidol/Lorazepam	1	9	8	3	0	0	5	26	1	0	0	1	
Olanzapine/Lorazepam	0	24	0	0	0	0	14	38	0	0	0	0	
Quetiapine/Lorazepam	0	0	0	0	0	0	0	0	0	0	0	0	
Use of 3 medications	0	0	0	0	0	0	0	0	0	0	0	0	
Other Neuroleptic combos	0	0	4	2	0	0	3	9	0	0	0	0	
Total	3	34	14	5	2	0	24	82	1	0	0	1	

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

ABV	UNIT	Count	ABV	UNIT	Count	ABV	UNIT	Count	ABV	UNIT	Count
WER	34-4	52	WAR	3IM	21	ALL	M5	9	NOR	10C1	5
WAR	3SW	51	WER	35-2	17	TOR	011	9	ALL	M3	5
TOR	022	48	ALL	M6	17	NOR	51C1	9	ALL	2W	5
DAN	312	46	NOR	51B2	17	WAR	FOR	8	CLA	2	4
CLA	6	43	DAN	311	16	WAR	2SW	8	NOR	10A2	3
CLA	3	33	WER	34-3	16	ALL	M4	8	CLA	1	2
TOR	014	31	TOR	FB4	13	NOR	51C2	7	CLA	4	2
DAN	310	31	DAN	211	13	WAR	IBG	6	CLA	8	1
NOR	01C1	30	TOR	021	12	TOR	071	6	NOR	01C2	1
TOR	023	29	TOR	013	12	CLA	7	6	NOR	51B1	1
TOR	024	28	CLA	5	12	NOR	09AR	6	WER	37-1	1
TOR	FC2	25	DAN	210	11	ALL	3W	6	TOR	043	1
NOR	09AF	23	NOR	09CF	11	WER	35-3	5	WAR	2NM	1
NOR	10A1	23	TOR	012	10	WER	34-2	5	NOR	51A1	1
NOR	01A1	23	DAN	212	10	WAR	IBH	5	Total		896
WER	35-4	22	TOR	FC1	9	WAR	3NM	5			

**Table 25**

**Route of STAT Medications for Psychiatric Reasons for April**

Civil									Forensic				S RTP
Route	ALL	CLA	DAN	NOR	TOR	WAR	WER	Cnt	NOR	TOR	WAR	Cnt	S RTP
IM	35	56	44	68	120	37	20	380	15	17	4	36	5
Oral	15	47	83	57	60	60	98	420	20	30	4	54	1
Totals	50	103	127	125	180	97	118	800	35	47	8	90	6

**Table 26**

**Psychiatric Use of STAT Medications by Shift for April**

Civil						Forensic				
ABV	0	1	2	3	Count	ABV	1	2	3	Count
ALL		24	19	7	50	NOR	25	8	2	35
CLA	1	34	54	14	103	TOR	9	28	10	47
DAN		50	42	35	127	WAR	6	1	1	8
NOR	2	67	47	9	125	Totals	40	37	13	90
TOR		67	102	11	180	S RTP				
WAR		43	34	20	97	S RTP	2	4		6
WER		46	66	6	118					
Totals	3	331	364	102	800					

**Table 27**

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

Month	Civil										Forensic						S RTP
	All	Cl a	Dan	May	Nor	Tor	War	Wer	Total	Std Dev	May	Nor	Tor	War	Total	Std Dev	S RTP
Apr-08	8.92	25.17	25.06	13.55	21.34	35.05	19.01	35.92	23.62	10.01	31.93	17.51	n/a	96.59	31.40	42.12	n/a
May-08	4.88	27.20	30.54	15.23	19.41	44.03	24.93	26.36	22.89	11.86	9.49	21.62	n/a	34.59	18.75	10.37	n/a
Jun-08	12.61	20.49	24.32	13.87	14.04	35.39	19.00	40.01	23.17	10.59	16.21	11.82	n/a	18.66	13.85	2.96	n/a
Jul-08	11.72	16.90	21.96	13.51	16.26	34.02	25.04	36.27	22.33	9.64	25.03	10.68	n/a	23.81	16.46	6.71	24.67
Aug-08	8.79	23.02	20.05	20.03	14.44	30.64	19.50	23.30	19.99	6.65	17.76	13.74	n/a	55.71	19.77	19.47	7.23
Sep-08	20.15	23.95	29.38	22.57	18.29	25.02	13.83	39.22	24.17	8.77	11.41	16.86	n/a	51.06	19.59	17.88	11.67
Oct-08	10.78	16.03	30.69	14.33	16.85	29.28	16.92	26.47	20.44	7.95	9.51	28.45	n/a	25.21	23.06	8.33	12.42
Nov-08	13.90	19.06	30.64	6.78	14.37	21.46	17.80	30.20	20.31	8.36	17.18	16.82	10.50	34.74	18.33	9.04	23.55
Dec-08	9.33	11.99	34.70	3.77	15.49	35.00	28.22	22.55	21.61	11.66	Closed	15.35	27.95	42.48	21.80	10.32	8.80
Jan-09	9.28	17.13	29.78	Closed	16.55	34.43	35.90	22.63	23.23	12.33	n/a	16.89	37.97	23.41	22.71	8.97	11.73
Feb-09	11.34	24.77	23.70	n/a	29.81	25.81	48.98	31.50	27.92	12.44	n/a	17.13	21.31	38.75	20.47	9.73	11.38
Mar-09	7.40	22.85	20.71	n/a	13.61	23.85	32.50	21.82	20.08	8.41	n/a	8.34	25.32	32.54	19.81	10.21	15.47
Apr-09	12.13	15.72	26.48	n/a	16.91	30.17	27.13	18.52	20.59	7.63	n/a	9.02	25.16	26.53	15.75	8.26	10.14

### 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	Civil								Forensic				S RTP	Sys
	M/Y	All	Cl a	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor
Jul-08	113	138	74	113	90	94	109	787	27	n/a	6	51	0	838
Aug-08	112	115	70	111	87	96	115	756	25	n/a	7	50	0	806
Sep-08	110	125	71	105	94	76	111	740	22	n/a	6	44	0	784
Oct-08	110	132	69	99	90	115	105	760	26	0	19	59	0	819
Nov-08	125	139	75	108	95	114	99	777	20	16	17	53	3	833
Dec-08	120	136	74	111	86	104	98	729	28	33	17	78	3	810
Jan-09	122	129	84	111	90	100	92	728	26	23	17	66	3	797
Feb-09	124	136	81	114	88	97	84	724	25	20	17	62	3	789
Mar-09	122	133	90	114	87	97	88	731	29	19	18	66	0	797
Apr-09	122	135	94	119	95	92	90	747	29	33	16	78	3	828

**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	Civil								Forensic				S RTP	Sys
	M/Y	All	Cl a	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor
Jul-08	4	31	24	20	58	51	26	259	n/a	n/a	n/a	0	0	259
Aug-08	2	26	25	23	54	57	23	246	n/a	n/a	n/a	0	0	246
Sep-08	2	37	25	26	55	55	11	242	n/a	n/a	n/a	0	0	242
Oct-08	2	33	23	21	59	55	25	239	2	0	4	10	0	249
Nov-08	1	20	26	21	61	63	21	250	1	4	4	9	0	259
Dec-08	2	28	23	25	60	58	24	220	3	5	4	12	0	232
Jan-09	2	22	33	15	54	59	29	214	2	8	6	16	0	230
Feb-09	1	19	30	16	53	58	22	199	2	3	2	7	0	206
Mar-09	2	14	32	19	45	63	26	201	2	0	2	4	0	205
Apr-09	2	16	31	20	43	53	23	186	1	1	2	4	0	190

*Note: July, August and September counts for Mayview, Norristown and Warren include data from the civil hospitals and the forensic centers.*

**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	Civil								Forensic				S RTP	Sys
	M/Y	All	Cl a	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Cnt	Tor
Jul-08	46	71	56	119	56	40	71	532	n/a	n/a	n/a	0	1	533
Aug-08	45	67	60	129	51	39	68	526	n/a	n/a	n/a	0	1	527
Sep-08	57	62	62	126	55	37	33	482	n/a	n/a	n/a	0	1	483
Oct-08	56	66	57	96	60	33	71	469	27	0	3	42	0	511
Nov-08	65	85	53	105	75	34	67	514	33	14	2	49	0	563
Dec-08	62	65	50	105	66	26	69	443	33	16	3	52	0	495
Jan-09	55	46	44	105	54	30	67	401	25	17	2	44	0	445
Feb-09	49	38	48	105	48	32	66	386	27	19	2	48	0	434
Mar-09	53	32	44	105	44	25	64	367	32	24	3	59	0	426
Apr-09	46	51	51	111	40	27	61	341	35	24	2	61	0	402

*Note: July, August and September counts for Mayview, Norristown and Warren include data from the civil hospitals and the forensic centers.*

## 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  
April 2009**

ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt
ALL	M6	45	TOR	FC2	11	WER	35-4	6	NOR	51A2	2
NOR	01C1	26	TOR	013	11	DAN	210	5	NOR	51A1	2
NOR	01A1	21	TOR	023	11	DAN	212	5	CLA	7	2
TOR	011	17	SMO	3A	8	DAN	310	5	TOR	022	2
WER	34-4	17	CLA	6	8	TOR	012	5	DAN	211	2
CLA	3	17	NOR	51C1	8	ALL	M3	4	NOR	51B1	2
ALL	M4	16	WER	35-2	8	WAR	IBG	4	NOR	09AR	2
NOR	09AF	15	WAR	3IM	7	WAR	3NM	4	TOR	014	2
WER	34-3	14	ALL	M5	7	DAN	312	4	TOR	FB4	2
NOR	09CF	14	TOR	FC1	7	ALL	2W	4	DAN	311	1
NOR	10A1	13	NOR	51C2	6	NOR	10A2	4	WAR	2NM	1
WAR	FOR	12	TOR	071	6	SMO	6A	2	SMO	6B	1
NOR	10C1	12	WER	34-2	6	SMO	5A	2	Total		418

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

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

Pt.-to-Pt. Assault w/ any Injury	Civil										Forensic				
	All	Cl	Dan	May	Nor	Tor	War	Wer	Avg.	May	Nor	Tor	War	Avg.	
Apr-08	1.75	1.35	0.2	1.44	4.52	3.95	1.14	1.75	2.19	5.04	2.08	n/a	5.68	3.41	
May-08	0.94	2.34	1.81	2.09	5.43	2.99	0.00	1.08	2.29	3.80	5.40	n/a	0.00	4.34	
Jun-08	2.33	1.52	1.07	2.12	3.29	2.53	0.96	2.07	2.06	3.74	2.36	n/a	0.00	2.49	
Jul-08	2.08	1.18	2.28	2.08	4.52	1.98	0.19	1.38	2.04	5.12	4.04	n/a	0.00	3.90	
Aug-08	1.12	2.20	0.81	1.20	2.26	0.66	0.55	0.93	1.30	0.57	3.17	n/a	4.46	2.54	
Sep-08	1.92	1.32	0.83	2.55	2.89	1.82	0.78	1.59	1.72	3.80	5.62	n/a	8.72	5.49	
Oct-08	1.86	0.83	1.01	0.84	5.62	2.56	1.13	1.08	2.09	0	5.64	n/a	2.4	3.74	
Nov-08	2.70	0.72	2.66	0.00	3.03	2.37	1.35	0.96	1.89	1.72	3.88	n/a	3.72	3.11	
Dec-08	1.49	1.16	2.59	0.00	3.07	2.43	0.38	1.26	1.79	n/a	2.97	1.36	2.43	2.53	
Jan-09	1.86	2.36	2.23	n/a	1.69	3.05	0.58	0.31	1.74	n/a	2.98	4.00	0.00	2.86	
Feb-09	1.65	1.48	2.48	n/a	4.37	1.89	0.87	1.88	2.17	n/a	1.49	2.94	1.49	1.82	
Mar-09	0.74	1.93	0.41	n/a	3.04	1.43	2.47	0.46	1.56	n/a	1.96	2.3	1.25	1.97	
Apr-09	2.12	1.07	0.83	n/a	3.65	1.82	1.31	1.71	1.88	n/a	1.80	3.67	2.65	2.45	

**Table 33**

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

ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt
ALL	M6	11	NOR	10A1	4	NOR	01A1	2	TOR	012	1
WER	35-4	8	CLA	6	4	DAN	312	2	TOR	013	1
WER	34-2	6	DAN	310	3	CLA	5	2	TOR	022	1
TOR	024	5	NOR	51B2	3	TOR	FC2	2	WAR	FOR	1
ALL	M4	5	TOR	071	3	WAR	IBG	2	WER	34-3	1
ALL	2W	5	CLA	3	3	DAN	311	1	WER	35-2	1
NOR	01C1	5	WAR	3IM	3	CLA	2	1	WER	35-3	1
ALL	M3	4	WER	34-4	3	NOR	09AR	1	NOR	10C1	1
ALL	M5	4	TOR	023	3	SMO	3B	1	Total		118
CLA	7	4	NOR	09AF	2	SMO	5A	1			
SMO	6B	4	NOR	09CF	2	TOR	011	1			

**Table 34**

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

Pt/Staff Assault w/ Staff Inj per 1K days	Civil										Forensic				
	All	Cl	Dan	May	Nor	Tor	War	Wer	Avg	May	Nor	Tor	War	Avg	
Apr-08	2.52	0.60	0.00	0.62	1.38	1.42	0.38	2.54	1.22	1.12	0.30	n/a	5.68	1.19	
May-08	0.75	0.44	0.00	0.42	1.81	0.94	1.66	1.08	0.95	0.00	0.57	n/a	0.00	0.35	
Jun-08	1.16	0.76	0.00	0.47	1.01	0.00	0.96	0.96	0.70	0.00	0.89	n/a	0.00	0.53	
Jul-08	1.13	0.59	0.21	0.78	0.65	0.83	0.37	2.31	0.88	0.00	1.15	n/a	0.00	0.68	
Aug-08	1.12	0.29	0.00	1.20	0.63	0.83	0.18	0.62	0.58	0.57	0.00	n/a	0.00	0.17	
Sep-08	2.11	0.59	0.41	1.09	0.92	0.83	0.97	0.64	0.92	0.00	1.34	n/a	2.49	1.10	
Oct-08	0.74	0.41	0.20	0.42	0.13	0.64	0.56	1.08	0.52	0.00	1.03	n/a	0.00	0.62	
Nov-08	1.16	0.43	0.82	0.00	0.13	0.47	0.77	1.28	0.66	0.00	0.78	0.00	0.00	0.49	
Dec-08	1.12	0.87	0.40	0.00	0.38	0.76	0.57	0.79	0.68	n/a	0.25	0.00	1.21	0.32	
Jan-09	1.11	0.59	0.00	n/a	0.39	0.76	0.00	0.62	0.51	n/a	0.99	0.00	0.00	0.64	
Feb-09	1.03	0.33	1.35	n/a	0.45	0.69	0.65	0.86	0.73	n/a	0.50	2.20	0.00	0.83	
Mar-09	0.00	0.59	0.61	n/a	0.53	0.16	0.62	0.76	0.47	n/a	0.25	1.15	0.00	0.45	
Apr-09	1.93	0.61	0.41	n/a	0.41	0.33	0.22	1.09	0.71	n/a	0.00	0.52	0.00	0.15	