

Danville State Hospital Woman's Infirmary  
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 March 2009*

*Report prepared by: Brandi M. Kennedy  
William Steinmetz  
Gregory M. Smith*

*E-mail: [grsmith@state.pa.us](mailto:grsmith@state.pa.us)*

*Bureau of Community & Hospital Operations*

*Internet: [www.dpw.state.pa.us/PartnersProviders/MentalHealthSubstanceAbuse/StateHospitals/](http://www.dpw.state.pa.us/PartnersProviders/MentalHealthSubstanceAbuse/StateHospitals/)  
April 21, 2009*

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## State Hospital Risk Management Summary Report March 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.

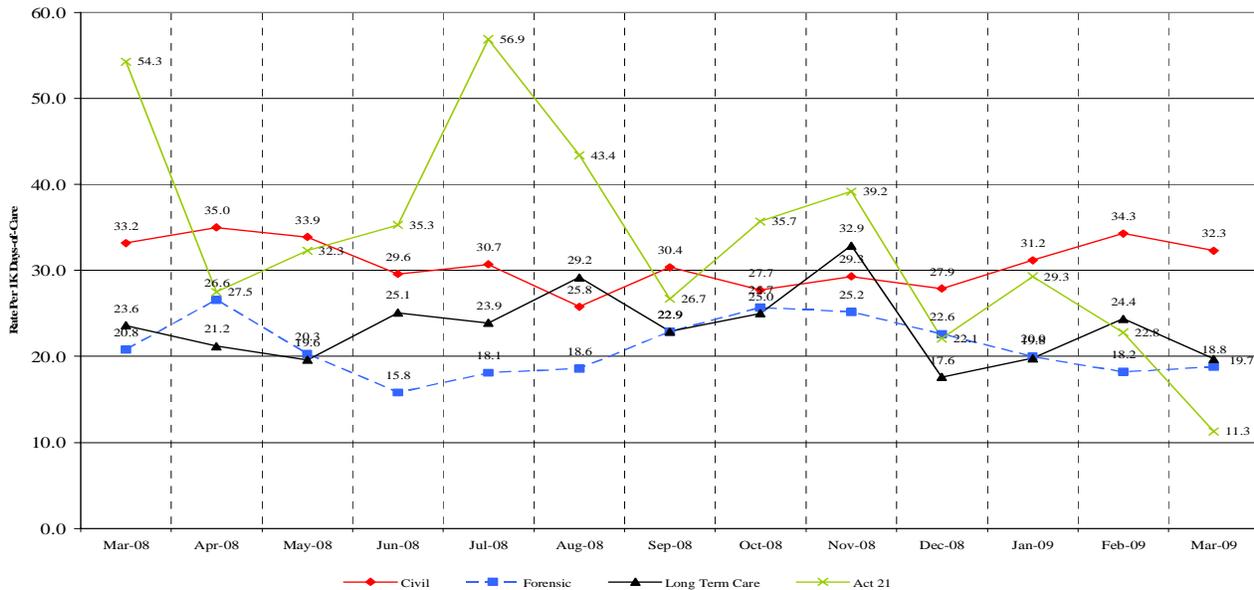
During **March** a total of 1581 incident reports were completed by the state hospital system, which is an increase of 51 events from the previous month. Additionally, 17 prior month records were from the database. These records are included in all monthly comparisons (page 3) made in this summary report. The following is a breakdown of incidents by individual facility and type of care:

**Table 1**

### March 2009

Civil	3/31/2009	Days Provided	Incidents	Per 1000 Days-of-Care
Allentown	174	5404	250	46.3
Clarks Summit	217	6740	142	21.1
Danville	159	4926	108	21.9
Norristown	245	7566	315	41.6
Torrance	211	6288	238	37.8
Warren	157	4861	111	22.8
Wernersville	213	6553	203	31.0
<b>Total Civil</b>	<b>1376</b>	<b>42338</b>	<b>1367</b>	<b>32.3</b>
<b>Forensic</b>				
Norristown	133	4075	85	20.9
Torrance	65	1738	29	16.7
Warren	26	799	10	12.5
<b>Total Forensic</b>	<b>224</b>	<b>6612</b>	<b>124</b>	<b>18.8</b>
<b>Act 21</b>				
Act 21	23	711	8	11.3
<b>Total Act 21</b>	<b>23</b>	<b>711</b>	<b>8</b>	<b>11.3</b>
<b>Long Term Care</b>				
South Mountain	133	4163	82	19.7
<b>Total L. T. C.</b>	<b>133</b>	<b>4163</b>	<b>82</b>	<b>19.7</b>
<b>Total</b>	<b>1756</b>	<b>53824</b>	<b>1581</b>	<b>29.4</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>10/08</b>	<b>11/08</b>	<b>12/08</b>	<b>1/09</b>	<b>2/09</b>	<b>3/09</b>
Total number of reported airway obstructions or choking incidents at all facilities (Type 1 & 2):	3	5	9	8	3	5
Total number of AWOL's & UA's all facilities:	33	27	37	23	44	46
Total number of falls (Type 1 & 2) at all facilities:	200	159	149	165	147	169
Total number of reported falls involving consumers age 65 or older:	42	48	40	38	+50	45
Total number of reported falls involving consumers age 75 or older:	8	10	13	10	19	18
Total number of reported fire setting events:	0	0	1	1	0	1
Total number of reported incidents involving a bone fracture:	6	3	2	8	2	4
Total number of reported deaths for this report period:	2	6	5	4	6	4
Total number of reported incidents involving a burn or scald:	2	3	3	4	6	6
Total number of reported incidents involving a cut or laceration requiring sutures, steri-strips or glue:	18	15	8	16	17	11
Total number of reported incidents of patient-to-patient assault (see note below):	359	394	342	376	375	350
Total number of reported incidents of patient-to-staff assaults:	100	100	92	110	+134	93
Total number of reported incidents involving alleged abuse:	0	-6	-10	16	+22	18
Total percentage for the month of reported incidents involving no physical injury to the Patient:	63%	67%	67%	68%	69%	70%
Total incidents of physical restraint used for the month:	90	87	90	105	110	86
Total hours of physical restraint used for the month:	7.480	8.683	9.922	11.111	10.397	6.178
Incidents of mechanical restraint use for the month:	5	11	3	11	16	5
Total hours of mechanical restraint used for the month:	4.17	12.70	4.33	7.43	14.27	3.01
Total reported incidents involving the use of seclusion:	1	0	1	1	4	2
Total hours of seclusion used for the month:	1.00	0	1.00	.08	6.00	1.93
Total number of reported incidents coded as alleged sexual assault:	5	4	4	0	6	3
Total number of reported incidents of attempted suicide:	0	2	4	6	2	2
Total number of reported incidents involving the threat or plan of suicide:	8	11	7	23	8	12
Total number of reported incidents of illicit drug use/possession:	2	1	2	4	2	1
Total number of medication errors:	59	69	46	43	46	59
Total number of STAT medications administered for psychiatric indications:	1045	979	1042	1077	1123	858

**\*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**  
**March 2009**

Primary Cat #	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Accident-Injury	8	5	4	8	11	3	3	42
Adverse Drug Reaction		4		1	1			6
Aggression	20	7	6	36	21	7	45	142
Airway Obstruction type 1 Intervention	1				1			2
Airway Obstruction type 2 No Intervention	1							1
Alcohol Use/Possession/Suspected or Confirmed	1							1
Alleged Nonconsensual Sexual Activity	1			2				3
Alleged Pt. Abuse	12			4				16
Assault, Pt./Pt	32	51	20	85	52	24	38	302
Assault, Pt./Staff	10	18	9	11	6	10	21	85
Assault: Patient/Other			1					1
AWOL/UA	5		2	8	2	2	2	21
AWOL-Attempt	2			1	4	1	1	9
AWOL-Late	7	1	3		2		2	15
Change in Medical Status-Stabilized	2			2	2		2	8
Change in Medical Status-Transferred	9	4	4	10	12	2	5	46
Charged with alleged crime on hospital grounds			1			2	1	4
Communications Sys. Misuse	1	1	1		1		2	6
Community Incident	1		1	1	1			4
Contraband Possession	7		9	19	11	1	1	48
Fall Type 1-Injury with treatment	5	9	6	15	21	8	4	68
Fall Type 2-No treatment needed	12	12	5	4	21	8	23	85
Family Concern	2				2			4
Fire Setting				1				1
Illicit Substance Use/Possession					1			1
Indeterminate/Unconfirmed Cause of Injury	1	5	6	11	1	1	4	29
Medication Error	8	1	1	24		5	5	44
Missing Property	1	2			5			8
Other	40	8	2	9	18	10	14	101
Procedural Treatment Error	4			2				6
Property Damage	6		3	4	4	2	7	26
Seizure			1	1	1		1	4
Self-Injurious behavior	10	10	21	15	16	20	7	99
Sexual Behavior	8		1	8	2	1	7	27
Smoking Violation	25			21	15			61
Suicide Attempt	1			1				2
Suicide threat/plan	4		1	1	1	1	1	9
Theft	2			10	2	1	3	18
Unknown						2		2
Unsubstantiated Nonconsensual Sexual Activity					1		1	2
Unsubstantiated Patient Abuse		4					3	7
Totals	249	142	108	315	238	111	203	1366

Table 3

**Primary Effect of Incidents in the Civil Hospitals  
March 2009**

Primary effect	ALL	CLA	DAN	NOR	TOR	WAR	WER	Count
Abrasion/scrape/scratch/hematoma	9	28	18	12	21	15	3	106
Allergic reaction		1			1			2
Bite-Human					1		1	2
Blister			2					2
Body System Illness		7		3	4		2	16
Bruise/contusion/discoloration	3	4	6	10	10	7	6	46
Burn/Scald	1	1	1		1	1		5
Cellulitis				1	1	1		3
Death					1	1		2
Edema/swelling	1	1	2	5	4	1	1	15
Emesis	2			1		1		4
Epistaxis		3	1	2	1			7
Erythema/redness	4		1	3	3	2		13
Fever	1		1	1	1			4
Fracture		1	1	1				3
Ingestion of foreign body	1	1		5		1	2	10
Laceration: NO sutures/staples/steri-strips	3	4	1	7		6		21
Laceration: with steristrips/glue		1			1	1	3	6
Laceration: with sutures/staples		2			1	1		4
Lethargy		1	2	6	2			11
No Injury/NA	203	85	64	238	162	66	169	987
Other	13		2	6	10	5	4	40
Pain unspecified					1			1
Pain, Specified	6	2	4	9	11		11	43
Puncture/stab wound			1	2		1		4
Respiratory Distress	1		1			1		3
Seizure							1	1
Skin Irritation/Rash	1			1				2
Unconscious/Unresponsive				2				2
Visual changes					1			1
Totals	249	142	108	315	238	111	203	1366

**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									1
Adverse Drug Reaction					1						1
Aggression	3	7		3	4	3	1	1		4	26
Airway Obstruction type 1 Intervention					1						1
Alleged Pt. Abuse		1	1								2
Assault, Pt./Pt	6	8	8		2	6	4		2	12	48
Assault, Pt./Staff		1		2		1	1	2			7
Change in Medical Status-Stabilized					1						1
Change in Medical Status-Transferred	1			1		1			1		4
Communications Sys. Misuse										1	1
Contraband Possession	3	2	1								6
Fall Type 1-Injury with treatment					1	1			1		3
Fall Type 2-No treatment needed	1						1				2
Indeterminate/Unconfirmed Cause of Injury		1									1
Medication Error							2				2
Other	1				1			1	1		4
Property Damage		1				1	1			1	4
Self-Injurious behavior			2						1	1	4
Smoking Violation		4									4
Suicide threat/plan				1		1					2
Totals	15	26	12	7	11	14	10	4	6	19	124

**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			4						2		6
Body System Illness	1										1
Bruise/contusion/discoloration		4	3				1		1	1	10
Edema/swelling						1					1
Laceration: NO sutures/staples/steri-strips	1	1									2
Laceration: with sutures/staples										1	1
No Injury/NA	12	19	5	6	9	11	8	4	2	16	92
Other		1			1	1			1		4
Pain unspecified							1				1
Pain, Specified	1	1		1						1	4
Skin Irritation/Rash					1						1
Syncopal episode						1					1
Totals	15	26	12	7	11	14	10	4	6	19	124

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

**Table 6**

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

Cause	3A	3B	5A	6A	6B	Count
Accident-Injury	4	3	4	4	6	21
Aggression	1		1	2		4
Airway Obstruction type 2 No Intervention					1	1
Change in Medical Status-Stabilized				1		1
Change in Medical Status-Transferred	2	3	4	3	1	13
Fall Type 1-Injury with treatment	1	5				6
Fall Type 2-No treatment needed	2	1	1			4
Medication Error		2	1	9	1	13
Other	3	1	3		2	9
Procedural Treatment Error			1	2		3
Property Damage		1	1			2
Self-Injurious behavior			1	2		3
Suicide threat/plan	1					1
Unsubstantiated Patient Abuse	1					1
Totals	15	16	17	23	11	82

**Table 7**

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

EFFECT	3A	3B	5A	6A	6B	Count
Abrasion/scrape/scratch/hematoma	5	6	4	5	5	25
Bruise/contusion/discoloration		1	2		1	4
Burn/Scald					1	1
Death			1		1	2
Emesis		1		1		2
Erythema/redness		1				1
Fracture		1				1
Internal injury				1		1
Lethargy			1			1
No Injury/NA	6	4	5	13	2	30
Other	1		2	2		5
Pain, Specified	2		1			3
Respiratory Distress		2			1	3
Skin Irritation/Rash			1			1
Unconscious/Unresponsive	1			1		2
Totals	15	16	17	23	11	82

## Act-21-Sexual Responsibility & Treatment Program at Torrance State Hospital

In August 2003, the Pennsylvania Legislature enacted Act 21 for adjudicated youth, aging out of the juvenile justice system who have a "mental abnormality" that renders them unable to control their violent sexual impulses. The Act mandates the state to provide mental health and sex-offense specific treatment to an identified population that had been adjudicated of certain sex crimes, received treatment in a juvenile program, yet remains a significant risk to sexually re-offend after reaching the age of 21, an age when oversight by the juvenile justice system typically ends. The Act requires the referral of such individuals who have committed these specific crimes to the Pennsylvania Sexual Offenders Assessment Board (SOAB) ninety days prior to their 20th birthday for purposes of determining if the individual has "serious difficulty in controlling sexually violent behavior." If so determined, a petition for a mental health hearing will be made for determination of civil commitment to the Sexual Responsibility and Treatment Program (SRTP) on the grounds of Torrance State Hospital. On July 1, 2006 the operation of this program transferred from an independent contractor to the Torrance State Hospital.

**Table 8 Cause of Incidents in the Sexual Responsibility and Treatment Program**

Cause	TOR	Count
Accident-Injury	2	2
Assault, Pt./Staff	1	1
Fall Type 1-Injury with treatment	1	1
Self-Injurious behavior	4	4
Totals	8	8

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

Primary effect	TOR	Count
Abrasion/scrape/scratch/hematoma	4	4
Ingestion of foreign body	1	1
No Injury/NA	2	2
Pain, Specified	1	1
Totals	8	8

### 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 LTC

**Table 10**

**Tobacco Users on Last Day of Month**

Date		ALL	CLA	DAN	NOR	TOR	WAR	WER	Civil Total	LTC	System Total
Jun-08	Total Users	115	143	67	171	104	96	119	906	7	913
	% of Census	67%	65%	43%	67%	51%	56%	57%	59%	5%	55%
Sep-08	Total Users	112	136	80	178	118	104	116	894	11	905
	% of Census	64%	59%	49%	70%	55%	60%	55%	60%	8%	55%
Dec-08	Total Users	109	131	85	175	130	102	119	851	10	861
	% of Census	63%	59%	53%	71%	58%	55%	57%	61%	7%	56%
Mar-09	Total Users	105	132	78	171	121	90	124	821	11	832
	% of Census	60%	61%	49%	70%	57%	57%	58%	60%	8%	55%

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

**Table 11**

**Diabetes**

M/Year	Civil								Forensic				A21	LTC	System
	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Total	A21	SMRC	Total
Mar09 Census	174	217	159	245	211	157	213	1376	133	65	26	224	23	133	1756
Mar09 Count	46	37	35	57	43	37	41	296	11	8	1	20	0	38	354
% with Diabetes	26%	17%	22%	23%	20%	24%	19%	21%	8%	12%	4%	9%	0%	29%	20%

### 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**

**March 2009**

Cause	ALL	CLA	DAN	NOR	SMO	TOR	WAR	WER	Count
Accident-Injury				1					1
Assault, Pt./Pt				2					2
Assault, Pt./Staff							1		1
Change in Medical Status-Stabilized	1							1	2
Change in Medical Status-Transferred	6	4	4	10	12	10	2	4	52
Community Incident	1								1
Fall Type 1-Injury with treatment				1	1		2		4
Fall Type 2-No treatment needed	1								1
Indeterminate/Unconfirmed Cause of Injury				5					5
Other				1			1		2
Seizure								1	1
Self-Injurious behavior				3			1	2	6
Unsubstantiated Nonconsensual Sexual Activity								1	1
Totals	9	4	4	23	13	10	7	9	79

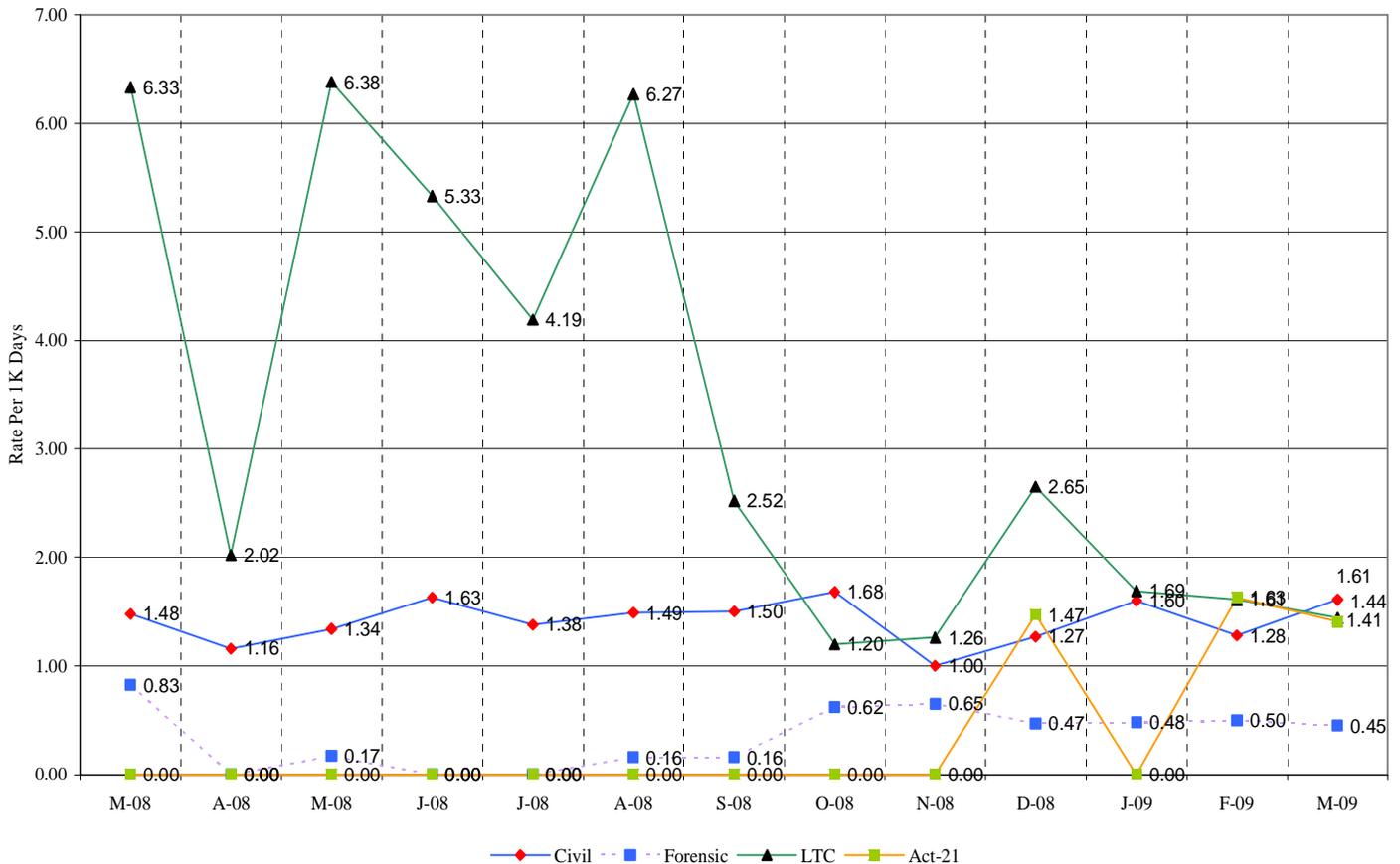
## Falls

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	Cl	Dan	May	Nor	Tor	War	Wer	Ttl	May	Nor	Tor	War	Total	A21	SMRC	
Mar-08	1.70	1.15	1.37	0.94	1.59	2.18	1.09	1.70	1.48	0.55	0.29	n/a	3.77	0.83	0.00	6.33	1.73
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

**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	Apr_08	May_08	Jun_08	Jul_08	Aug_08	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Total
MAY	1.08		0.50		0.50	0.58	1.00						3.67
NOR										0.08			0.08
WAR	2.65					0.83			1.00		6.00	1.93	12.42
Total	3.73	0.00	0.50	0.00	0.50	1.42	1.00	0.00	1.00	0.08	6.00	1.93	16.17

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

ABV	Apr_08	May_08	Jun_08	Jul_08	Aug_08	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Total
MAY	3	0	1	0	1	2	1	0	0	0	0	0	8
NOR	0	0	0	0	0	0	0	0	0	1	0	0	1
WAR	3	0	0	0	0	2	0	0	1	0	4	2	12
Total	6	0	1	0	1	4	1	0	1	1	4	2	21

**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  
March 2009**

ABV	WARD	Total Hrs
WER	34-4	2.17
WAR	3SW	0.67
NOR	01A1	0.17
Total		3.01

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

ABV	Apr_08	May_08	Jun_08	Jul_08	Aug_08	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Total
CLA	0.00	0.75	0.00	0.42	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.00	1.65
NOR	0.50	1.67	1.43	2.17	1.50	1.00	0.00	0.00	0.00	1.50	1.00	0.17	10.93
WAR	1.00	0.33	0.33	1.33	0.00	0.00	0.00	0.00	0.00	1.02	1.47	0.67	6.15
WER	12.03	11.97	9.50	13.58	2.27	5.20	4.17	12.70	4.33	4.92	11.80	2.17	94.63
Total	13.53	14.72	11.27	17.50	3.77	6.68	4.17	12.70	4.33	7.43	14.27	3.01	113.37

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

ABV	Apr_08	May_08	Jun_08	Jul_08	Aug_08	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Total
CLA	0	1	0	1	0	1	0	0	0	0	0	0	3
NOR	1	2	2	4	1	1	0	0	0	1	2	1	15
WAR	1	1	1	2	0	0	0	0	0	4	5	2	16
WER	7	9	7	13	3	8	5	11	3	6	9	2	83
Total	9	13	10	20	4	10	5	11	3	11	16	5	117

**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**  
**March 2009**

ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total	ABV	WARD	Total
WAR	3SW	1.783	CLA	6	0.183	CLA	7	0.100	TOR	023	0.035
CLA	3	0.667	DAN	210	0.183	NOR	51A1	0.100	TOR	FC2	0.033
DAN	310	0.473	WAR	3NM	0.167	NOR	51C2	0.083	ALL	M4	0.033
WAR	FOR	0.350	WAR	2SW	0.167	CLA	2	0.067	DAN	211	0.017
NOR	51A2	0.300	TOR	014	0.167	NOR	01C1	0.067	NOR	10A1	0.008
NOR	01A1	0.240	NOR	51B1	0.150	TOR	021	0.067	ALL	M6	0.003
WAR	3IM	0.217	DAN	212	0.142	NOR	51B2	0.050	Total		6.178
WER	34-4	0.186	WER	37-1	0.100	WER	34-3	0.042			

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

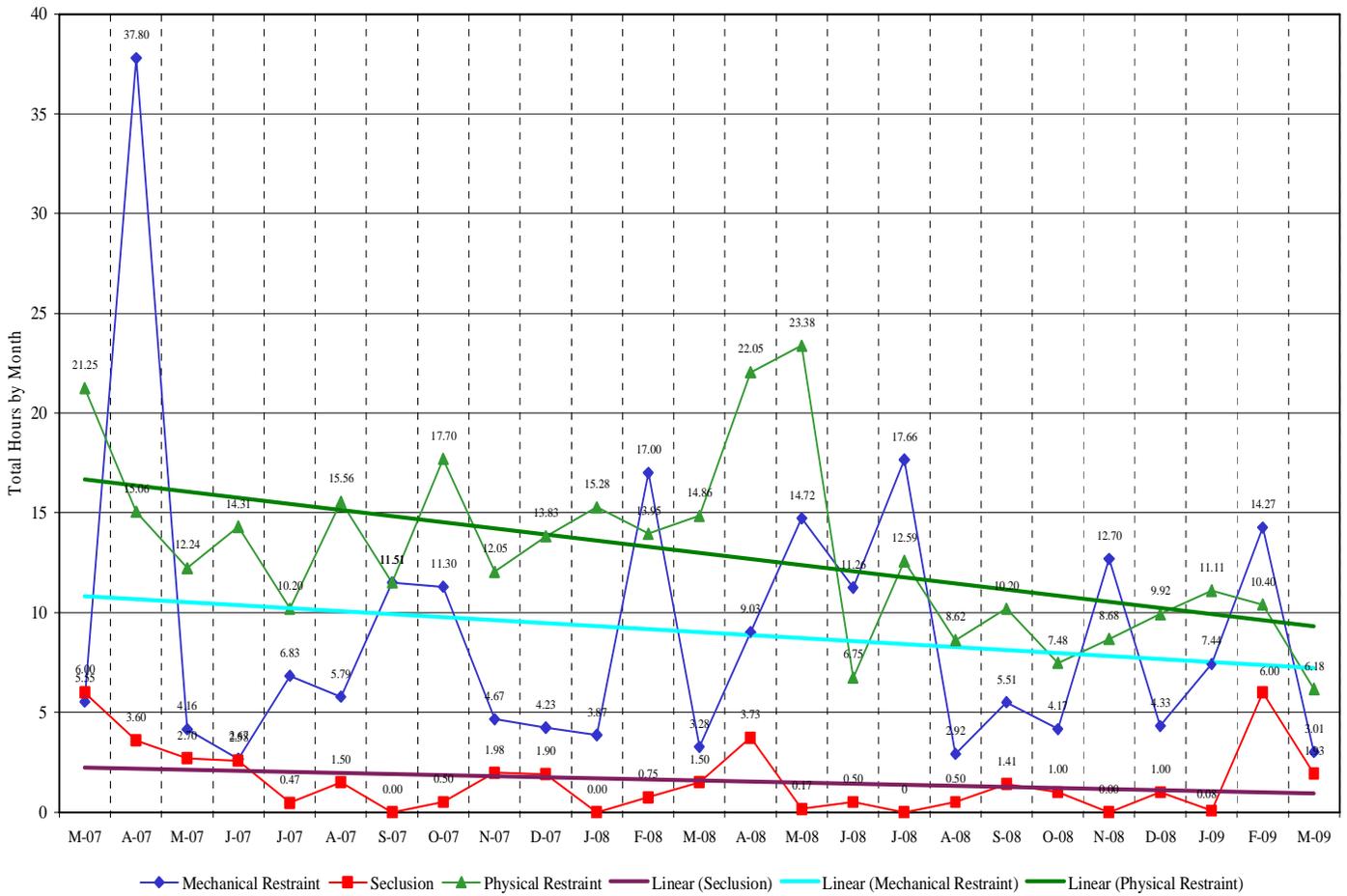
ABV	Apr_08	May_08	Jun_08	Jul_08	Aug_08	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Total
ALL	0.333	0.117	0.383	1.888	0.167	1.929	0.482	0.819	0.625	0.179	0.588	0.036	7.545
CLA	0.796	1.575	0.233	0.606	0.967	0.913	0.589	0.671	0.475	0.508	0.425	1.017	8.774
DAN	8.651	5.054	0.533	0.225	0.238	0.613	0.281	0.365	0.138	0.244	0.304	0.814	17.460
MAY	0.678	0.837	0.658	0.567	0.450	0.442	0.175	0.017	0.000	0.000	0.000	0.000	3.824
NOR	2.065	1.871	1.508	1.104	1.050	0.647	1.019	1.078	0.543	0.918	1.939	0.999	14.741
TOR	7.400	7.825	0.583	4.329	3.414	1.900	3.067	1.017	4.733	2.029	1.650	0.301	38.249
WAR	0.900	4.667	2.183	3.350	1.933	1.967	0.833	2.867	2.083	6.500	4.183	2.683	34.150
WER	1.231	1.417	1.072	1.817	0.904	1.874	1.350	2.017	1.325	0.733	1.308	0.328	15.375
Total	22.053	23.363	7.156	13.885	9.122	10.283	7.796	8.850	9.922	11.112	10.397	6.178	140.118

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

ABV	Apr_08	May_08	Jun_08	Jul_08	Aug_08	Sep_08	Oct_08	Nov_08	Dec_08	Jan_09	Feb_09	Mar_09	Total
ALL	6	2	4	13	1	13	7	8	9	5	8	2	78
CLA	13	16	9	10	20	9	7	13	9	15	6	24	151
DAN	59	34	6	5	4	15	6	16	7	12	10	13	187
MAY	14	13	11	10	7	6	5	1	0	0	0	0	67
NOR	38	41	29	21	15	19	21	18	13	27	35	24	301
TOR	28	34	7	29	19	13	24	8	22	12	18	4	218
WAR	3	18	8	10	11	9	10	9	10	24	15	11	138
WER	16	14	16	17	9	25	15	15	20	10	18	8	183
Total	177	172	90	115	86	109	95	88	90	105	110	86	1323

## 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**

March-09	Civil												SRTP	Sys. Total
Unscheduled Psych Meds	All	Cla	Dan	Nor	Tor	War	Wer	Total	Nor	Tor	War	Total	SRTP	Total
Number of Unique Patients	22	40	36	23	50	40	35	246	16	22	8	46	5	297
% of Census	12.6%	18.4%	22.6%	9.4%	23.7%	25.5%	16.4%	17.9%	12.0%	33.8%	30.8%	20.5%	21.7%	18.3%
Number of Early Med Events	13	0	0	0	6	29	4	52	0	0	2	2	1	55
Number of STAT meds	27	154	102	58	144	129	139	753	27	44	24	95	10	858
Rate per 1Kdays	7.40	22.85	20.71	7.67	23.85	32.50	21.82	19.01	6.63	25.32	32.54	14.67	15.47	18.38

**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	0	0	0	1	1	0	7	9	0	0	0	0	
Haloperidol/Lorazepam	0	8	2	2	0	0	12	24	2	3	0	5	
Olanzapine/Lorazepam	0	38	0	0	4	0	11	53	0	0	0	0	
Quetiapine/Lorazepam	0	0	0	0	0	0	1	1	0	0	0	0	
Use of 3 medications	0	1	0	0	0	0	0	1	0	0	0	0	
Other Neuroleptic combos	0	1	1	1	0	0	6	9	0	1	0	1	
Total	0	49	3	4	5	0	37	98	2	4	0	6	

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

ABV	UNIT	Count	ABV	UNIT	Count	ABV	UNIT	Count	ABV	UNIT	Count
WAR	3SW	69	WAR	3IM	18	NOR	10A1	9	ALL	2W	3
CLA	3	60	WAR	3NM	17	TOR	043	9	NOR	51C1	3
CLA	6	54	WER	35-3	17	ALL	M6	8	WAR	2SW	3
WER	34-4	47	NOR	01A1	16	CLA	2	8	ALL	M4	2
TOR	022	40	WAR	2NM	16	ALL	M5	8	NOR	51B2	2
WER	35-2	28	TOR	FB4	14	NOR	09AF	8	WAR	IBG	2
DAN	212	27	TOR	021	13	NOR	51A1	7	NOR	51B1	2
TOR	024	27	TOR	014	13	NOR	51A2	7	CLA	5	1
DAN	310	26	CLA	7	12	TOR	011	7	NOR		1
WAR	FOR	24	WER	34-2	12	TOR	FC1	7	CLA	1	1
TOR	FC2	23	DAN	311	11	NOR	51C2	6	NOR	09AR	1
WER	34-3	22	DAN	312	11	ALL	M3	5	NOR	10C1	1
NOR	01C1	20	TOR	023	11	TOR	012	5	ALL	3W	1
TOR	013	19	TOR	071	10	WAR	IBH	4	Total		859
CLA	4	18	WER	37-1	9	WER	35-4	4			
DAN	210	18	DAN	211	9	NOR	09CF	3			

**Table 25**

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

Route	ALL	CLA	DAN	NOR	TOR	WAR	WER	Cnt	NOR	TOR	WAR	Cnt	S RTP
Not reported									1				
IM	13	72	28	34	88	38	37	310	13	26	6	45	
Oral	14	82	74	23	56	91	102	442	13	18	18	49	10
Other				1				1					
Totals	27	154	102	58	144	129	139	753	27	44	24	94	10

**Table 26**

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

Civil					Forensic					
ABV	1	2	3	Count	ABV	0	1	2	3	Count
ALL	12	11	4	27	NOR	1	12	12	2	27
CLA	57	81	16	154	TOR		16	24	4	44
DAN	35	37	30	102	WAR		6	12	6	24
NOR	22	26	10	58	Totals	1	34	48	12	95
TOR	66	68	10	144	S RTP					
WAR	47	45	37	129			4	6		10
WER	64	57	18	139						
Totals	303	325	125	753						

**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
Mar-08	6.79	19.66	31.67	8.12	18.22	44.17	18.47	25.00	21.81	12.18	19.96	22.84	n/a	47.80	25.26	12.74	n/a
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	Closed	16.89	37.97	23.41	22.71	8.97	11.73
Feb-09	11.34	24.77	23.70	Closed	29.81	25.81	48.98	31.50	27.92	14.43	Closed	17.13	21.31	38.75	20.47	9.73	11.38
Mar-09	7.40	22.85	20.71	Closed	7.67	23.85	32.50	21.82	19.01	10.52	Closed	6.63	25.32	32.54	14.67	11.44	15.47

## 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

**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

*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

*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  
March 2009**

ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt	ABV	WARD	Cnt
NOR	01A1	35	ALL	M4	8	WER	37-1	5	CLA	5	2
CLA	6	16	NOR	09CF	8	WER	34-2	5	ALL	3W	2
CLA	3	16	NOR	51A2	8	NOR	09AF	4	WER	35-3	2
WER	34-3	13	DAN	212	8	DAN	210	4	WAR	3SW	2
NOR	01C1	13	WAR	IBG	7	DAN	211	4	NOR	51C1	2
TOR	022	13	NOR	09AR	7	CLA	2	4	TOR	FC1	2
TOR	FC2	12	TOR	011	7	ALL	M3	4	ALL	2W	2
WER	34-4	11	TOR	014	6	WAR	FOR	4	DAN	310	2
TOR	023	11	TOR	013	6	CLA	7	4	DAN	312	2
CLA	4	9	WAR	3IM	6	TOR	021	3	WER	35-2	1
NOR	10A1	9	NOR	51C2	6	TOR	024	3	NOR	09CR	1
ALL	M6	8	NOR	51A1	6	NOR	10A2	3	WER	35-4	1
ALL	M5	8	WAR	2NM	5	TOR	012	3	WAR	IBH	1
NOR	51B1	8	NOR	10C1	5	WAR	3NM	3	Total		350

*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.	
Mar-08	1.13	1.29	0.78	0.38	3.42	2.64	0.91	2.93	1.83	1.11	4.34	n/a	3.77	3.30	
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	

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
WER	34-2	9	NOR	01A1	3	NOR	51B2	2	DAN	311	1
WAR	3IM	8	WER	35-2	3	ALL	M5	1	DAN	312	1
CLA	3	6	WER	37-1	2	ALL	M6	1	TOR	023	1
ALL	M3	5	NOR	09AF	2	CLA	2	1	TOR	022	1
CLA	7	5	NOR	10C1	2	WAR	FOR	1	TOR	013	1
WER	34-4	5	DAN	212	2	CLA	4	1	NOR	51C2	1
CLA	6	4	TOR	FB4	2	CLA	5	1	NOR	51A2	1
DAN	310	4	WER	34-3	2	NOR	09AR	1	DAN	210	1
ALL	M4	3	TOR	024	2	TOR	071	1	Total		93
NOR	10A1	3	WAR	3SW	2	TOR	043	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
Mar-08	1.13	0.57	0.39	1.13	0.98	0.47	0.91	1.85	0.93	0.55	0.29	n/a	0.00	0.33
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