

**Addiction and Prevention Services
State Quality Committee**

Final v.2

AGGREGATE ANALYSIS REPORT

Reporting Period

FROM: July 1, 2009 **TO:** June 30, 2011

Note: This report contains readmission data from 7/1/09 to 6/30/11. Charts are shown comparing the readmission data of all admissions from 7/1/2007 to 6/30/2010. Readmissions require a 365 day run out from time of admission

Unit/Team/Department:

PIHP Quality Improvement

Topic/Project:

Availability of Services

Over and Under Utilization Report (VO # 11, Grid Row # 8)

Inpatient and RTC Recidivism Rates

Monitoring Standard:

42 CFR 438.240 (a and b) Quality Assessment and Performance Improvement Program

Utilization Management policies and procedures:

42 CFR 438.210 (b-e) Coverage and authorization of services

42 CFR 438.242 Health Information System

Goal:

The PIHP will track and report annually to SRS/AAPS the readmissions in the higher levels of care within 30, 60, and 365 days. This includes the following Levels: Levels IV-Hospital Based Detox and Hospital-Based Services, III.5 Residential Adolescent, Level III.3-Residential Adult (III.5 and III.3 shown as Intermediate), Level III.2D-Social Detox, and Level III.1-Reintegration.

Objectives:

To assure the documentation is capturing recidivism rates in the higher levels of care

To evaluate for trends that may require system intervention and education regarding recidivism

To allow data to be presented consistently for Committee evaluation and response

Data Collection Activities:

Medicaid and AAPS funding source data was collected from the ValueOptions CareConnect claims and is delivered annually. A 90 day claim run out was used from the end of the year.

Readmission report shows recidivism within 30, 60, and 365 days. The report details include age band and gender, admissions in previous year, and total admits and percent readmission by day buckets. Data is reported on an aggregate level only.

Reporting period is applied to the Admit Date. The number of days between admissions is determined by calculating the number of days between the discharge date and the admission date of the new admission. Note this analysis contains two years of data.

Note: Readmit counts are progressive. Whatever is counted in the 30 day count

Addiction and Prevention Services State Quality Committee

will also be counted in the 60 and 365 day counts as well. This includes admission to new levels and is gathered by individual client. An individual with multiple readmissions in the same level of care will only be counted once per timeframe.

Results:



Kansas Department of Social and Rehabilitation Services

Recidivism Rates - Substance Abuse - Overall

Reporting Period: 7/ 1/2009 - 6/30/2011

Admissions: 7/ 1/2009 - 6/30/2010

Readmissions: 7/ 2/2009 - 6/30/2011

ATTESTATION:

I attest, based on my best knowledge, information and belief that the data and/or documents pertaining to Medicaid and the SAPT block grant comprising this report are accurate, complete, and truthful, as of the date of

Myra D. Elms 11/14/2011
CEO, ValueOptions of Kansas Date

Data Source: ValueOptions Claims data via reporting table rpt_readmit_ks.

Data Source: VO Claims data via reporting table rpt_readmit_ks.

Selection Criteria : HLOC

1. Admits between 7/ 1/2009 and 6/30/2010

2. Same members readmitted, after a prior discharge from the same level of care, between 7/ 2/2009 and

Hospital Based Services

Gender and Age Band	Admissions within Reporting Period	Readmitted within 30 days		Readmitted within 60 days		Readmitted within 365 days	
		Admits	%	Admits	%	Admits	%
Female: 0 - 12	0	0	-	0	-	0	-
Male: 0 - 12	1	0	-	0	-	0	-
Female: 13 - 17	1	0	-	0	-	0	-
Male: 13 - 17	3	0	-	0	-	0	-
Female: 18 - 64	100	2	2.00%	5	5.00%	12	12.00%
Male: 18 - 64	138	6	4.35%	13	9.42%	38	27.54%
Female: 65+	2	0	-	0	-	0	-
Male: 65+	5	0	-	0	-	0	-
Female Total	103	2	1.94%	5	4.85%	12	11.65%
Male Total	147	6	4.08%	13	8.84%	38	25.85%
Group Total	250	8	3.20%	18	7.20%	50	20.00%

Hospital Detoxification

Gender and Age Band	Admissions within Reporting Period	Readmitted within 30 days		Readmitted within 60 days		Readmitted within 365 days	
		Admits	%	Admits	%	Admits	%
Female: 0 - 12	0	0	-	0	-	0	-
Male: 0 - 12	1	0	-	0	-	0	-
Female: 13 - 17	0	0	-	0	-	0	-
Male: 13 - 17	0	0	-	0	-	0	-
Female: 18 - 64	29	5	17.24%	5	17.24%	8	27.59%
Male: 18 - 64	39	3	7.69%	8	20.51%	12	30.77%
Female: 65+	0	0	-	0	-	0	-
Male: 65+	1	0	-	0	-	0	-
Female Total	29	5	17.24%	5	17.24%	8	27.59%
Male Total	41	3	7.32%	8	19.51%	12	29.27%
Group Total	70	8	11.43%	13	18.57%	20	28.57%

Addiction and Prevention Services State Quality Committee

Social Detoxification

Gender and Age Band	Admissions within Reporting Period	Readmitted within 30 days		Readmitted within 60 days		Readmitted within 365 days	
		Admits	%	Admits	%	Admits	%
Female: 0 - 12	0	0	-	0	-	0	-
Male: 0 - 12	14	0	-	1	7.14%	3	21.43%
Female: 13 - 17	0	0	-	0	-	0	-
Male: 13 - 17	0	0	-	0	-	0	-
Female: 18 - 64	697	44	6.31%	71	10.19%	171	24.53%
Male: 18 - 64	1,723	151	8.76%	234	13.58%	598	34.71%
Female: 65+	3	0	-	0	-	0	-
Male: 65+	6	0	-	0	-	0	-
Female Total	700	44	6.29%	71	10.14%	171	24.43%
Male Total	1,743	151	8.66%	235	13.48%	601	34.48%
Group Total	2,443	195	7.98%	306	12.53%	772	31.60%

Intermediate

Gender and Age Band	Admissions within Reporting Period	Readmitted within 30 days		Readmitted within 60 days		Readmitted within 365 days	
		Admits	%	Admits	%	Admits	%
Female: 0 - 12	3	1	33.33%	1	33.33%	1	33.33%
Male: 0 - 12	10	1	10.00%	2	20.00%	2	20.00%
Female: 13 - 17	44	0	-	0	-	3	6.82%
Male: 13 - 17	161	2	1.24%	5	3.11%	14	8.70%
Female: 18 - 64	1,313	119	9.06%	143	10.89%	245	18.66%
Male: 18 - 64	1,771	112	6.32%	138	7.79%	272	15.36%
Female: 65+	0	0	-	0	-	0	-
Male: 65+	4	0	-	0	-	0	-
Female Total	1,360	120	8.82%	144	10.59%	249	18.31%
Male Total	1,946	115	5.91%	145	7.45%	288	14.80%
Group Total	3,306	235	7.11%	289	8.74%	537	16.24%

Reintegration

Gender and Age Band	Admissions within Reporting Period	Readmitted within 30 days		Readmitted within 60 days		Readmitted within 365 days	
		Admits	%	Admits	%	Admits	%
Female: 0 - 12	0	0	-	0	-	0	-
Male: 0 - 12	6	2	33.33%	3	50.00%	3	50.00%
Female: 13 - 17	0	0	-	0	-	0	-
Male: 13 - 17	0	0	-	0	-	0	-
Female: 18 - 64	630	115	18.25%	128	20.32%	161	25.56%
Male: 18 - 64	861	179	20.79%	187	21.72%	238	27.64%
Female: 65+	0	0	-	0	-	0	-
Male: 65+	2	0	-	0	-	0	-
Female Total	630	115	18.25%	128	20.32%	161	25.56%
Male Total	869	181	20.83%	190	21.86%	241	27.73%
Group Total	1,499	296	19.75%	318	21.21%	402	26.82%

Addiction and Prevention Services State Quality Committee

READMISSIONS 7/2/2009 to 6/30/2011 for Admissions that occurred 7/1/2009 to 6/30/2010

Overall Totals

Gender and Age Band	Admissions within Reporting Period	Readmitted within 30 days		Readmitted within 60 days		Readmitted within 365 days	
		Admits	%	Admits	%	Admits	%
Female: 0 - 12	3	1	33.33%	1	33.33%	1	33.33%
Male: 0 - 12	32	3	9.38%	6	18.75%	8	25.00%
Female: 13 - 17	45	0	-	0	-	3	6.67%
Male: 13 - 17	164	2	1.22%	5	3.05%	14	8.54%
Female: 18 - 64	2,769	285	10.29%	352	12.71%	597	21.56%
Male: 18 - 64	4,532	451	9.95%	580	12.80%	1,158	25.55%
Female: 65+	5	0	-	0	-	0	-
Male: 65+	18	0	-	0	-	0	-
Female Total	2,822	286	10.13%	353	12.51%	601	21.30%
Male Total	4,746	456	9.61%	591	12.45%	1,180	24.86%
Overall Total	7,568	742	9.80%	944	12.47%	1,781	23.53%

READMISSIONS 7/1/2008 to 6/30/2010 for Admissions that occurred 7/1/2008 to 6/30/2009

OVERALL TOTALS

Gender and Age Band	Admissions	Readmissions 30 days		Readmissions 60 days		Readmissions 365 days	
Female: 0 - 12	0	0	-	0	-	0	-
Male: 0 - 12	1	0	-	0	-	0	-
Female: 13 - 17	60	0	-	0	-	4	6.67%
Male: 13 - 17	155	0	-	2	1.29%	6	3.87%
Female: 18 - 64	2,714	228	8.40%	322	11.86%	628	23.14%
Male: 18 - 64	4,579	453	9.89%	631	13.78%	1,194	26.08%
Female: 65+	1	0	-	0	-	0	-
Male: 65+	26	2	7.69%	4	15.38%	7	26.92%
Female Total	2,775	228	8.22%	322	11.60%	632	22.77%
Male Total	4,761	455	9.56%	637	13.38%	1,207	25.35%
Overall Total	7,536	683	9.06%	959	12.73%	1,839	24.40%

READMISSIONS 7/1/2007 to 6/30/2009 for Admissions that occurred 7/1/2007 to 6/30/2008

OVERALL TOTALS

Gender and Age Band	Admissions	Readmissions 30 days		Readmissions 60 days		Readmissions 365 days	
Female: 0 - 12	1	0	-	0	-	0	-
Male: 0 - 12	2	0	-	0	-	0	-
Female: 13 - 17	88	3	3.41%	4	4.55%	11	12.50%
Male: 13 - 17	190	7	3.68%	7	3.68%	9	4.74%
Female: 18 - 64	2,861	285	9.96%	360	12.58%	696	24.33%
Male: 18 - 64	4,931	525	10.65%	726	14.72%	1,362	27.62%
Female: 65+	3	0	-	0	-	0	-
Male: 65+	25	4	16.00%	5	20.00%	10	40.00%
Female Total	2,953	288	9.75%	364	12.33%	707	23.94%
Male Total	5,148	536	10.41%	738	14.34%	1,381	26.83%
Overall Total	8,101	824	10.17%	1,102	13.60%	2,088	25.77%

**Addiction and Prevention Services
State Quality Committee**

Comparison of 2009 to 2010 Readmissions by Modality

LEGEND:

Readmissions ending 6/2009	Increase
Readmissions ending 6/2010	Decrease

Yr. Ending	FY09	FY10	FY09	FY10	% Diff	FY09	FY10	% Diff	FY09	FY10	% Diff
Modality	# Ad	#Ad	30 Days	30 Days		60 Days	60 Days		365 Days	365 Days	
Hospital-Based Services	150	192	5.33%	4.17%	-1.16%	6.67%	8.85%	+2.18%	21.33%	22.92%	+1.59%
Hospital Detoxification	61	61	3.28%	6.56%	+3.28%	9.84%	9.84%	No change	29.51%	32.79%	+3.28%
Social Detoxification	2,355	2,387	8.75%	10.22%	+1.57%	13.93%	16.25%	+2.62%	32.48%	34.94%	+2.46%
Intermediate	3,847	3,389	9.02%	6.46%	-2.56%	10.40%	7.88%	-2.52%	19.73%	16.47%	-3.56%
Reintegration	1,688	1,507	15.46%	13.80%	-1.66%	21.21%	18.65%	-2.56%	30.45%	25.41%	-5.04%
OVERALL TOTAL	8,101	7,536	10.17%	9.06%	-1.11%	13.60%	12.73%	-0.87%	25.77%	24.40%	-1.37%

**Addiction and Prevention Services
State Quality Committee**

Comparison of 2010 to 2011 Readmissions by Modality

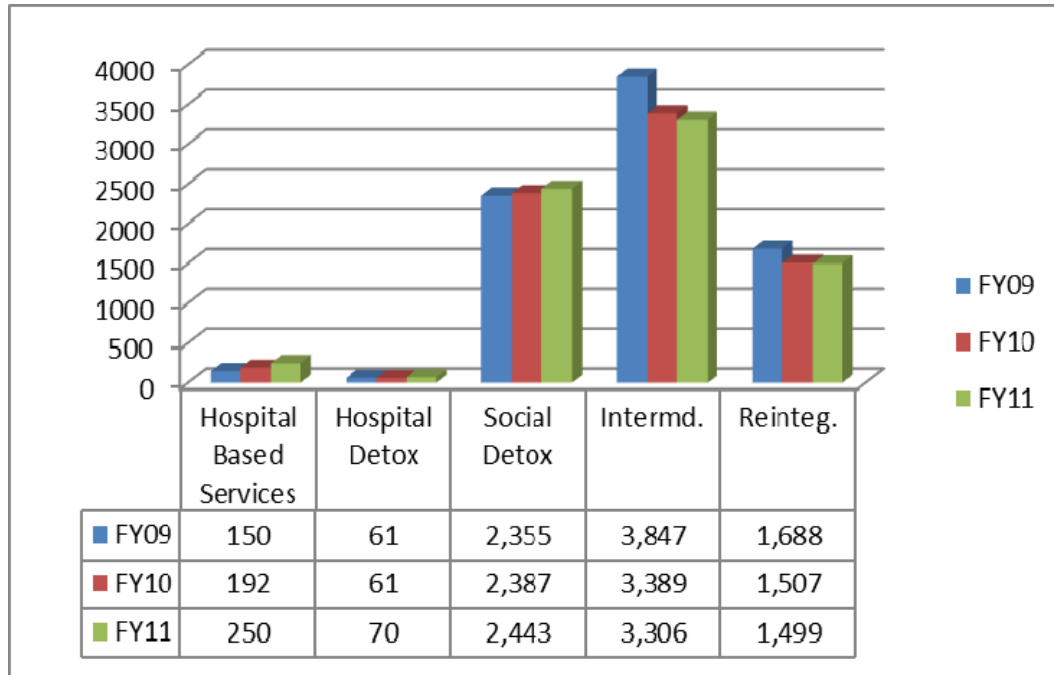
LEGEND:

Readmissions ending 6/2010	Increase
Readmissions ending 6/2011	Decrease

Yr. Ending	FY10	FY11	FY10	FY11	% Diff	FY10	FY11	% Diff	FY10	FY11	% Diff
Modality	# Ad	#Ad	30 Days	30 Days		60 Days	60 Days		365 Days	365 Days	
Hospital-Based Services	192	250	4.17%	3.20%	-0.97%	8.85%	7.20%	-1.65%	22.92%	20.00%	-2.92%
Hospital Detoxification	61	70	6.56%	11.43%	+4.87%	9.84%	18.57%	+8.73%	32.79%	28.57%	-4.22%
Social Detoxification	2,387	2,443	10.22%	7.98%	-2.24%	16.25%	12.53%	-3.72%	34.94%	31.60%	-3.34%
Intermediate	3,389	3,306	6.46%	7.11%	+0.65%	7.88%	8.74%	+0.86%	16.47%	16.24%	-0.23%
Reintegration	1,507	1,499	13.80%	19.75%	+5.95%	18.65%	21.21%	+2.56%	25.41%	26.82%	+1.41%
OVERALL TOTAL	7,536	7,568	9.06%	9.80%	+0.74%	12.73%	12.47%	-0.26%	24.40%	23.53%	-0.87%

**Addiction and Prevention Services
State Quality Committee**

Modality Admission Numbers Comparison



Conclusions:

Data set reminder: Readmit counts are progressive. Whatever is counted in the 30 day count will also be counted in the 60 and 365 day counts as well. This includes admission to new levels and is gathered by individual client. An individual with multiple readmissions in the same level of care will only be counted once per timeframe.

Data year ending 6/30/2011

- Place of Service highest and lowest rates for readmissions ending 6/30/ 2011 data. (Numbers in parenthesis are last year's, 2010, percentages for comparison)

30 Days

Lowest % of readmits were for Hospital Based Services at 3.20% (2010 4.17%)
Highest % of readmits were for Reintegration at 19.75% (2010 13.80%)

60 Days

Lowest % of readmits were for Hospital Based Services at 7.20% (2010 8.85%)
Highest % of readmits were for Reintegration at 21.21% (2010- 18.65%)

365 Days

Lowest % of readmits were for Intermediate at 16.24% (2010-16.47%)
Highest % of readmits were for Social Detox at 31.60% (2010-34.94%)

**Addiction and Prevention Services
State Quality Committee**

- The greatest *number* of readmits occurred in the 18-64 age range for both males and females as expected with males being higher.
- The age group with the highest % of readmits within 365 days **with more than 20 admissions** is male clients age 18-64.
- The modality with the greatest *admission* numbers is Intermediate.
- The modality with the greatest readmission % at 30 and 60 days is Reintegration but at 365 days it was the Social Detox modality
- Overall, more males (25.55%) readmit than females (21.56%) at 365 days.
- Over the two year period ending in 2011, 23.53% readmit for all age groups, all modalities included. This is a reduction from 24.40% of 2010.
- The high readmission rate in Social Detox has been known and clinically expected; the high readmission rate in Reintegration is reported to be a certain few providers.

Comparison of FY10 to FY11

- Taking all time frames into consideration in 2010 there were seven (7) modalities that reduced readmission percentages, seven (7) modalities that increased readmission percentages and one (1) that stayed the same; In 2011 there were eight (8) modalities that reduced readmission percentages and seven (7) modalities that increased readmission percentages.
- The 30 day time frame all modalities increased their overall readmission percentages from 2010 which was -1.11% to +0.74% in 2011.
- The 60 day time frame all modalities percentages increased their overall readmission percentages from 2010 which was -0.87% to -0.26% in 2011.
- The 365 day time frame all modalities percentages increased their overall readmission percentages from 2010 which was -1.37% to -0.87% in 2011.
- All of these increases by time frame are very minor and a less than 1% change.
- The 365 day time frame had the best reduction in readmission percentages from 2010 to 2011.
- In summary, readmissions percentages do not show significant changes from FY10 to FY11; the overall reduction at 365 day time frame is a reflection of the reduced readmission rate of Social Detox balanced with the increased readmission rate of Reintegration.

Preliminary Recommendations to Committee:

- It is recommended to the Committee that data trending continue and reporting on all objectives be included in this report. Trending should continue to contain year to year (YTY) comparisons.
- It is recommended by the Committee that this aggregate analysis and the ValueOptions report where the data was pulled be posted on the ValueOptions website.

Date Presented to SQC: 2/10/2012

BY: Kim Brown

Recommendations from the Committee for action: Committee approves of the Preliminary Recommendations as shown above.

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State Quality Committee**

Person Responsible to follow-up and date due: Kim Brown Due: 5/18/2012