

**Addiction and Prevention Services
State Quality Committee**

Final

AGGREGATE ANALYSIS REPORT

Reporting Period

FROM: July 1, 2008 **TO:** June 30, 2010

Note: This report contains readmission data from 7/1/08 to 6/30/10. A chart is shown comparing the readmission data of 7/1/08 to 6/30/10 to the readmission data of 7/1/07 to 6/30/09.

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

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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

Reporting Period: 7/ 1/2008 - 6/30/2010

Admissions: 7/ 1/2008 - 6/30/2009

Readmissions: 7/ 1/2008 - 6/30/2010

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 submission.

Margaret D. Smith
CEO, ValueOptions of Kansas, 11/12/2010

Data Source: ValueOptions Claims data via reporting table rpt_readmit_ks.

Data Source: VO Claims data via reporting table rpt_readmit_ks.

Selection Criteria Higher Levels of Care

1. Admits between 7/ 1/2008 and 6/30/2009

2. Same members readmitted, 30, 60, and 365 days after a prior discharge from the same level of care, between 7/ 1/2008 and 6/30/2010.

Hospital Based Services

Gender and Age Band	Admissions	Readmissions 30 days		Readmissions 60 days		Readmissions 365 days	
Female: 0 - 12	0	0	-	0	-	0	-
Male: 0 - 12	0	0	-	0	-	0	-
Female: 13 - 17	1	0	-	0	-	0	-
Male: 13 - 17	3	0	-	0	-	0	-
Female: 18 - 64	86	2	2.33%	3	3.49%	15	17.44%
Male: 18 - 64	98	6	6.12%	14	14.29%	28	28.57%
Female: 65+	1	0	-	0	-	0	-
Male: 65+	3	0	-	0	-	1	33.33%
Female Total	88	2	2.27%	3	3.41%	15	17.05%
Male Total	104	6	5.77%	14	13.46%	29	27.88%
Group Total	<u>192</u>	<u>8</u>	<u>4.17%</u>	<u>17</u>	<u>8.85%</u>	<u>44</u>	<u>22.92%</u>

Hospital Detoxification

Gender and Age Band	Admissions	Readmissions 30 days		Readmissions 60 days		Readmissions 365 days	
Female: 0 - 12	0	0	-	0	-	0	-
Male: 0 - 12	0	0	-	0	-	0	-
Female: 13 - 17	1	0	-	0	-	0	-
Male: 13 - 17	0	0	-	0	-	0	-
Female: 18 - 64	27	0	-	0	-	4	14.81%
Male: 18 - 64	30	4	13.33%	5	16.67%	13	43.33%
Female: 65+	0	0	-	0	-	0	-
Male: 65+	3	0	-	1	33.33%	3	100.00%
Female Total	28	0	-	0	-	4	14.29%
Male Total	33	4	12.12%	6	18.18%	16	48.48%
Group Total	<u>61</u>	<u>4</u>	<u>6.56%</u>	<u>6</u>	<u>9.84%</u>	<u>20</u>	<u>32.79%</u>

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Social Detoxification

Gender and Age Band	Admissions	Readmissions 30 days		Readmissions 60 days		Readmissions 365 days	
Female: 0 - 12	0	0	-	0	-	0	-
Male: 0 - 12	0	0	-	0	-	0	-
Female: 13 - 17	0	0	-	0	-	0	-
Male: 13 - 17	2	0	-	0	-	1	50.00%
Female: 18 - 64	630	52	8.25%	84	13.33%	192	30.48%
Male: 18 - 64	1,751	192	10.97%	304	17.36%	641	36.61%
Female: 65+	0	0	-	0	-	0	-
Male: 65+	4	0	-	0	-	0	-
Female Total	630	52	8.25%	84	13.33%	192	30.48%
Male Total	1,751	192	10.93%	304	17.30%	641	36.54%
Group Total	<u>2,387</u>	<u>244</u>	<u>10.22%</u>	<u>388</u>	<u>16.25%</u>	<u>834</u>	<u>34.94%</u>

Intermediate

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	58	0	-	0	-	4	6.90%
Male: 13 - 17	149	0	-	2	1.34%	5	3.36%
Female: 18 - 64	1,354	103	7.61%	129	9.53%	270	19.94%
Male: 18 - 64	1,816	114	6.28%	134	7.38%	277	15.25%
Female: 65+	0	0	-	0	-	0	-
Male: 65+	11	2	18.18%	2	18.18%	2	18.18%
Female Total	1,412	103	7.29%	129	9.14%	274	19.41%
Male Total	1,977	116	5.87%	138	6.98%	284	14.37%
Group Total	<u>3,389</u>	<u>219</u>	<u>6.46%</u>	<u>267</u>	<u>7.88%</u>	<u>558</u>	<u>16.47%</u>

Reintegration

Gender and Age Band	Admissions	Readmissions 30 days		Readmissions 60 days		Readmissions 365 days	
Female: 0 - 12	0	0	-	0	-	0	-
Male: 0 - 12	0	0	-	0	-	0	-
Female: 13 - 17	0	0	-	0	-	0	-
Male: 13 - 17	1	0	-	0	-	0	-
Female: 18 - 64	617	71	11.51%	106	17.18%	147	23.82%
Male: 18 - 64	884	137	15.50%	174	19.68%	235	26.58%
Female: 65+	0	0	-	0	-	0	-
Male: 65+	5	0	-	1	20.00%	1	20.00%
Female Total	617	71	11.51%	106	17.18%	147	23.82%
Male Total	890	137	15.39%	175	19.66%	236	26.52%
Group Total	<u>1,507</u>	<u>208</u>	<u>13.80%</u>	<u>281</u>	<u>18.65%</u>	<u>383</u>	<u>25.41%</u>

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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 LAST TIME PERIOD 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%

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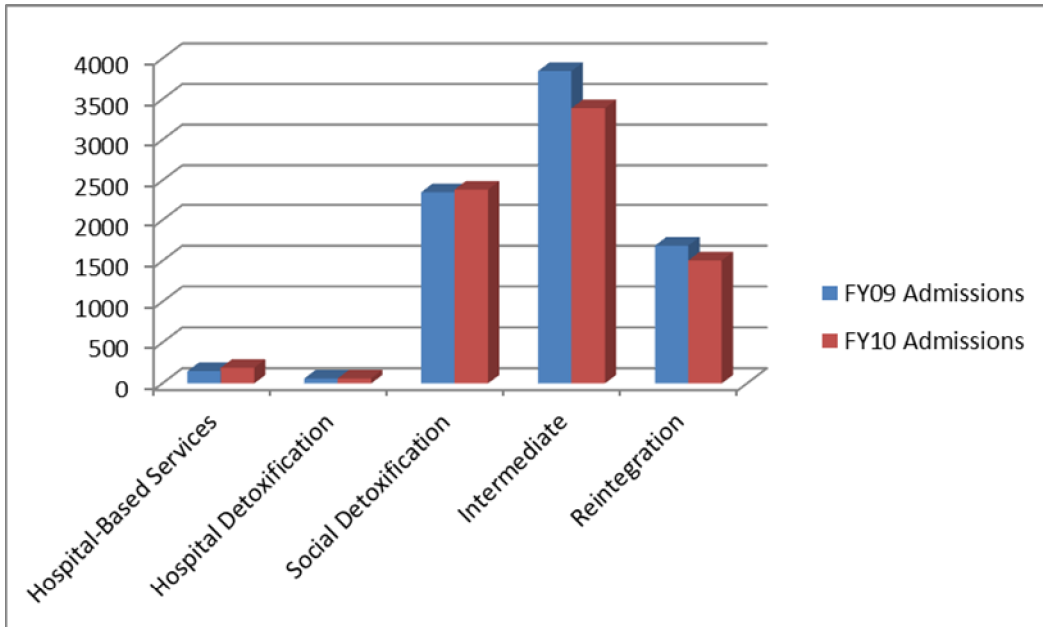
Comparison of 2009 to 2010 Readmissions by Modality

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%

Modality Admission Numbers Comparison



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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 6/30/2010

- Place of Service highest and lowest rates for readmissions ending 6/30/ 2010 data:
 - 30 Days
 - Lowest % of readmits were for Hospital Based Services at 4.17 % (2009-5.33 %)
 - Highest % of readmits were for Reintegration at 13.80 % (2009-15.46 %)
 - 60 Days
 - Lowest % of readmits were for Intermediate at 7.88 % (2009- 10.40 %)
 - Highest % of readmits were for Reintegration at 18.65 % (2009- 21.21%)
 - 365 Days
 - Lowest % of readmits were for Intermediate at 16.47 % (2009-19.73)
 - Highest % of readmits were for Social Detox at 34.94% (2009-32.48 %)
- The greatest *number* of readmits occurred in the 18-64 age range for both males and females as expected.
- The age group with the highest % of readmits within 365 days is male clients 65+ years at 26.92 % but note there were only seven readmissions. Three of those readmissions occurred in the Hospital Detoxification modality.
- The age group with the second highest volume of readmits within 365 days (1,194) is male clients age 18-64. Their overall % of readmissions is 26.08%. 641 of those readmissions were in the Social Detoxification modality.
- Overall, more males (25.35 %) readmit than females (22.77 %) at 365 days.
- Over the two year period 24.40 % readmit for all age groups, all modalities included.
- 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 FY09 to FY10

- From 2009 to 2010 there was a decrease in the % of readmits *at all intervals* for both Intermediate and Reintegration modalities. The greatest % readmission decrease is in the 365 day interval of Intermediate (-3.56 %) and Reintegration (-5.04 %) modalities.
- From 2009 to 2010 there was an increase in the % of readmits at all intervals for Hospital-based Services, Hospital Detoxification and Social Detoxification with the two exceptions of 30 day Hospital based (-1.16%) and 60 day Hospital Detoxification (no change).
- Overall Totals from 2009 to 2010 showed a decreased readmit % at all intervals but all were less than a 2 % decrease.

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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: 2/10/2010

BY: Kim Brown

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

Person Responsible to follow-up and date due: Kim Brown Due: 5/12/2010