

**Addiction and Prevention Services
State Quality Committee**

Final

AGGREGATE ANALYSIS REPORT

Reporting Period FROM: January 1, 2011 TO: March 31, 2011

Unit/Team/Department:
PIHP Quality Improvement

Topic/Project:
Over and Under Utilization
Higher Levels of Care Utilization (VO #9a, Grid Row #6) by claims

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 quarterly to SRS/AAPS higher levels of care by claims data for a given quarter.

Block Grant Application Goal: 1

Objectives:

To assure the documentation is capturing this utilization data
To evaluate for trends that may require system intervention and education
To allow data to be presented consistently for Committee evaluation and response

Data Collection Activities:

Data was collected from the ValueOptions CareConnect claims. Utilization report including Hospital Detox, Reintegration, Intermediate split by adult/adolescent, and Social Detox services. The report details include average covered lives/Per 1000 calculations for Medicaid only, and admissions and days for both Medicaid and AAPS funded. The report will be based on the service date begin and service date end & will provide the count of actual units. The report will be claim based as a rolling quarter to show a full year by 4th quarter. This report will be provided as an aggregate, as well as by SRS region. The summary table included in this report contains admissions and average length of stay by Region. Social Detox for AAPS and Hospital based services for Medicaid have been separated from all other modalities. This report contains 90 days of claims run out. (See page four for summary table)

Results: See next page

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All Regions AAPS Funded:

TOTAL FOR: LEVEL III.1 - RESIDENTIAL REINTEGRATION

Admissions	291	232	221	744
Days Claimed	8,722	6,640	6,397	21,759
Average Length of Stay	29.97	28.62	28.95	29.25

LEVEL III.2D - RESIDENTIAL SOCIAL DETOX - ADULT

Admissions	695	652	741	2,088
Days Claimed	2,253	2,160	2,450	6,863
Average Length of Stay	3.24	3.31	3.31	3.29

LEVEL III.2D - RESIDENTIAL SOCIAL DETOX - ADOLESCENT

Admissions	0	0	2	2
Days Claimed			4	4
Average Length of Stay			2.00	2.00

TOTAL FOR: LEVEL III.2D - RESIDENTIAL SOCIAL DETOX

Admissions	695	652	743	2,090
Days Claimed	2,253	2,160	2,454	6,867
Average Length of Stay	3.24	3.31	3.30	3.29

TOTAL FOR: LEVEL III.3 - RESIDENTIAL ADULT INTERMEDIATE

Admissions	537	482	533	1,552
Days Claimed	10,724	9,572	11,106	31,402
Average Length of Stay	19.97	19.86	20.84	20.23

TOTAL FOR: LEVEL III.5 - RESIDENTIAL ADOLESCENT INTERMEDIATE

Admissions	12	2	13	27
Days Claimed	383	59	456	898
Average Length of Stay	31.92	29.50	35.08	33.26

Region Total - AAPS - All Regions

Admissions	1,535	1,368	1,510	4,413
Days Claimed	22,082	18,431	20,413	60,926
Average Length of Stay	14.39	13.47	13.52	13.81

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All Regions Medicaid:

Hospital Detoxification and Higher Levels of Care Utilization

	1st Quarter	2nd Quarter	3rd Quarter	Year to Date
Unduplicated Covered Lives:	239,940	270,438	295,958	301,620
<u>LEVEL III.1 - RESIDENTIAL REINTEGRATION - ADULT</u>				
Admissions	83	77	59	219
Days Claimed	2,351	2,031	1,844	6,226
Admissions/1000 Lives	0.35	0.28	0.20	0.73
Days/1000 Lives	9.80	7.51	6.23	20.64
Average Length of Stay	28.33	26.38	31.25	28.43
<u>LEVEL III.1 - RESIDENTIAL REINTEGRATION - ADOLESCENT</u>				
Admissions	0	1	0	1
Days Claimed		11		11
Admissions/1000 Lives		0.00		0.00
Days/1000 Lives		0.04		0.04
Average Length of Stay		11.00		11.00
<u>TOTAL FOR: LEVEL III.1 - RESIDENTIAL REINTEGRATION</u>				
Admissions	83	78	59	220
Days Claimed	2,351	2,042	1,844	6,237
Admissions/1000 Lives	0.35	0.29	0.20	0.73
Days/1000 Lives	9.80	7.55	6.23	20.68
Average Length of Stay	28.33	26.18	31.25	28.35
<u>TOTAL FOR: LEVEL III.3 - RESIDENTIAL ADULT INTERMEDIATE</u>				
Admissions	223	177	182	582
Days Claimed	3,989	3,486	3,603	11,078
Admissions/1000 Lives	0.93	0.65	0.61	1.93
Days/1000 Lives	16.62	12.89	12.17	36.73
Average Length of Stay	17.89	19.69	19.80	19.03
<u>TOTAL FOR: LEVEL III.5 - RESIDENTIAL ADOLESCENT INTERMEDIATE</u>				
Admissions	44	50	32	126
Days Claimed	1,326	1,481	1,024	3,831
Admissions/1000 Lives	0.18	0.18	0.11	0.42
Days/1000 Lives	5.53	5.48	3.46	12.70
Average Length of Stay	30.14	29.62	32.00	30.40
<u>TOTAL FOR: LEVEL IV - DETOXIFICATION SERVICES IN HOSPITAL SETTING</u>				
Admissions	15	9	9	33
Days Claimed	60	55	29	144
Admissions/1000 Lives	0.06	0.03	0.03	0.11
Days/1000 Lives	0.25	0.20	0.10	0.48
Average Length of Stay	4.00	6.11	3.22	4.36

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LEVEL IV - HOSPITAL BASED ADDICTION OTHER SERVICES - ADULT

Admissions	76	62	41	179
Days Claimed	215	203	144	562
Admissions/1000 Lives	0.32	0.23	0.14	0.59
Days/1000 Lives	0.90	0.75	0.49	1.86
Average Length of Stay	2.83	3.27	3.51	3.14

LEVEL IV - HOSPITAL BASED ADDICTION OTHER SERVICES - ADOLESCENT

Admissions	1	2	1	4
Days Claimed	6	13	1	20
Admissions/1000 Lives	0.00	0.01	0.00	0.01
Days/1000 Lives	0.03	0.05	0.00	0.07
Average Length of Stay	6.00	6.50	1.00	5.00

TOTAL FOR: LEVEL IV - HOSPITAL BASED ADDICTION OTHER SERVICES

Admissions	77	64	42	183
Days Claimed	221	216	145	582
Admissions/1000 Lives	0.32	0.24	0.14	0.61
Days/1000 Lives	0.92	0.80	0.49	1.93
Average Length of Stay	2.87	3.38	3.45	3.18

Region Total - Medicaid - All Regions

Admissions	442	378	324	1,144
Days Claimed	7,947	7,280	6,645	21,872
Admissions/1000 Lives	1.84	1.40	1.09	3.79
Days/1000 Lives	33.12	26.92	22.45	72.52
Average Length of Stay	17.98	19.26	20.51	19.12

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Summary Table: Detail by Region and Funding Source:

ALOS=Average Length of Stay in days

Note: Totals in the lower section of this chart are cumulative year to year *



Kansas Department of Social and Rehabilitation Services

Over/Under Utilization - Admissions & Average Length of Stay Summary by Region (High Levels of Care Only)

07/01/2010 - 03/31/2011

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

Mignon D. Umack

06/15/2011

CEO, ValueOptions of Kansas

Date

	Kansas City				Northeast				South Central				Southeast				West				Wichita				Total			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
AAPS Counts																												
Admissions (minus SD)	205	152	168		160	152	175		122	84	104		83	92	93		106	105	115		173	129	110		839	714	765	
ALOS (minus SD)	24.24	23.93	24.17		22.68	22.66	19.79		25.49	23.73	25.05		23.28	20.41	23.92		24.54	25.41	27.88		21.93	20.36	21.45		23.61	22.75	23.42	
Social Detox Services Admissions	353	307	317		156	154	177		36	37	37		38	31	37		54	34	62		56	88	112		693	651	742	
Social Detox Services ALOS	2.96	2.90	2.86		3.33	3.71	3.66		4.11	3.89	3.92		3.32	3.29	3.19		3.48	3.91	3.92		3.91	3.57	3.47		3.24	3.31	3.30	
"Other" Admissions (minus SD)																									1	2	2	
"Other" Social Detox Services Admissions																									2	1	1	
Medicaid Counts																												
Admissions (minus HBS)	74	63	63		70	66	74		47	48	41		41	43	13		37	21	20		81	64	62		350	305	273	
ALOS (minus HBS)	21.07	23.63	24.65		19.34	22.15	23.04		26.57	22.75	23.88		20.73	20.44	30.46		29.57	28.90	31.10		19.26	23.13	19.61		21.90	22.98	23.70	
Hospital Based Services Admissions	32	17	13		19	21	12		5	8	5		7	9	11		10	3	3		19	15	7		92	73	51	
Hospital Based Services ALOS	3.44	5.94	2.46		3.05	2.76	2.83		2.40	3.75	4.00		3.57	3.22	4.82		3.10	4.00	3.33		2.37	2.73	3.57		3.05	3.71	3.41	
AAPS Totals (all counts include "Other" admits and days)														Medicaid Totals														
	Admits (no SD)	ALOS (no SD)	SD Admits	SD ALOS	"Other" (no SD)	"Other" SD	Total Admits / Days		Admits (no HBS)	ALOS (no HBS)	HBS Admits	HBS ALOS	Total Admits / Days															
FY 2011 Totals	2,323	23.27	2,090	3.29	5	4	4,413 / 60,926		928	22.79	216	3.36	1,144 / 21,872															
FY 2010 Totals *	2,636	24.21	1,798	3.37	2	2	4,434 / 69,866		942	22.95	233	3.63	1,175 / 22,464															
FY 2009 Totals *	2,865	26.11	1,822	3.31	1	2	4,687 / 80,836		825	25.20	190	3.21	1,015 / 21,399															
FY 2008 Totals *	3,167	25.10	1,713	3.47	8	4	4,880 / 85,441		943	24.67	160	3.82	1,103 / 23,878															

* Previous fiscal year totals pull from similar date ranges as the current fiscal year. For example, if the current fiscal year only includes quarters 1 and 2, the previous fiscal year totals will only pull quarters 1 and 2.

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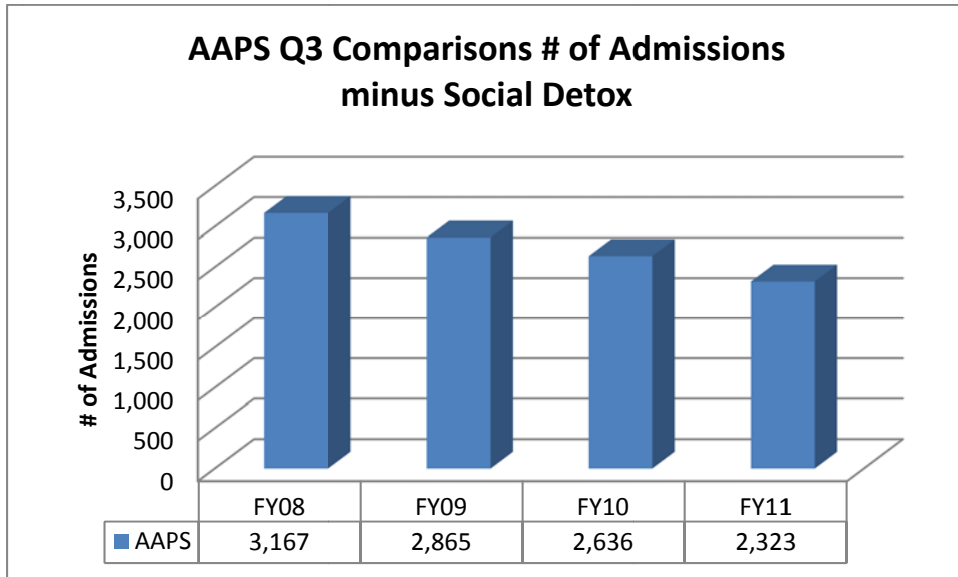
Conclusions for Q3 referring to the *upper section of Summary Chart page 5*

- All admissions were greater in AAPS Funded for each modality except Adolescent Level III.5 which is higher for Medicaid. This trend held throughout FY 2008, FY 2009 and FY 2010.
- After pulling out Social Detox (AAPS) and Hospital based services (Medicaid), the non-cumulative Q3 ALOS of AAPS was 23.42 and the non-cumulative Q3 ALOS for Medicaid was 23.70. This is difference of only 0.28. The entire FY10 difference was 1.64 days.
- The non-cumulative Q3 ALOS of Social Detox (AAPS) was 3.30 and the non-cumulative Q3 ALOS for Hospital based services (Medicaid) was 3.41. The Kansas City Region had the shortest ALOS for Social Detox AAPS at 2.86 and for Medicaid Hospital Based Services at 2.46.
- The modality with the highest utilization in both funding sources is Level III.3 Intermediate Adult Residential when Social Detox is excluded. This is a consistent trend.
- In examining the detail by region and funding source table, it is noted that the Region with the greatest number of admissions for Q3 (minus detox and hospital based services) for AAPS funded is the Northeast Region and for Medicaid is also the Northeast Region.
- The Region with the *shortest* LOS for Q3 AAPS funded (minus detox) was Northeast Region (19.79) and for Q3 Medicaid (minus hospital based services) was Wichita Region (19.61).
- The Region with the *longest* LOS for Q3 AAPS funded (minus detox) was the West Region (27.88) and for Q3 Medicaid (minus hospital based services) was also the West (31.10).

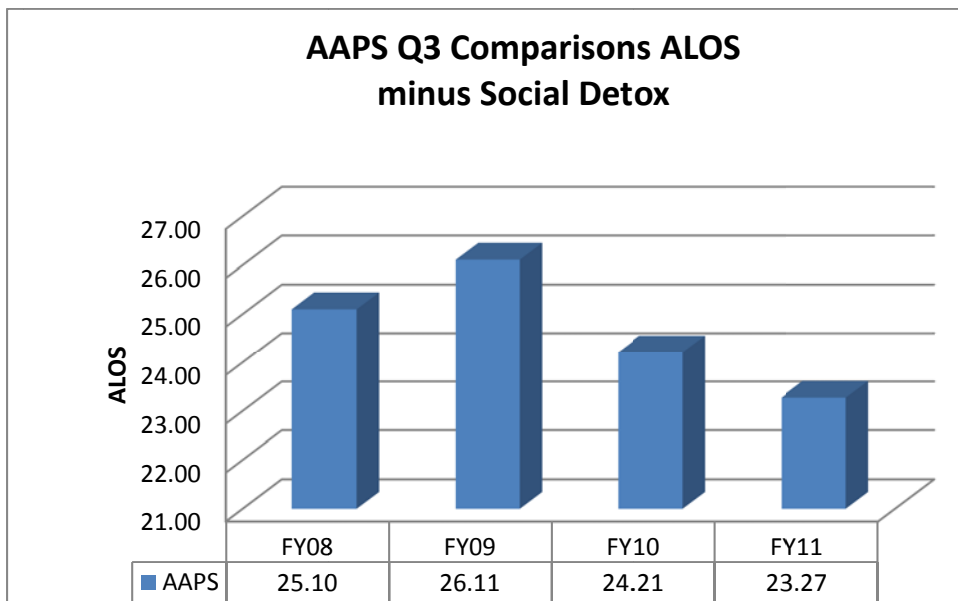
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Referring to the lower section of Summary Chart cumulative total year to year data Q3:

Comparing AAPS Q3 only 2008, 2009, 2010 and 2011 Number of Admissions **minus Social Detox:**

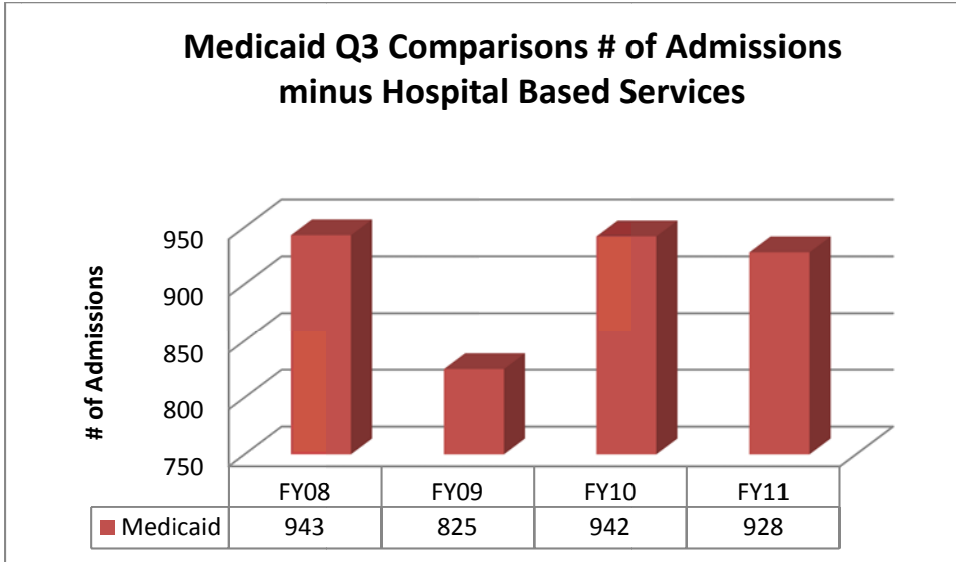


Comparing AAPS Q3 only 2008, 2009, 2010 and 2011 Average Length of Stay (ALOS) in days **minus Social Detox:**

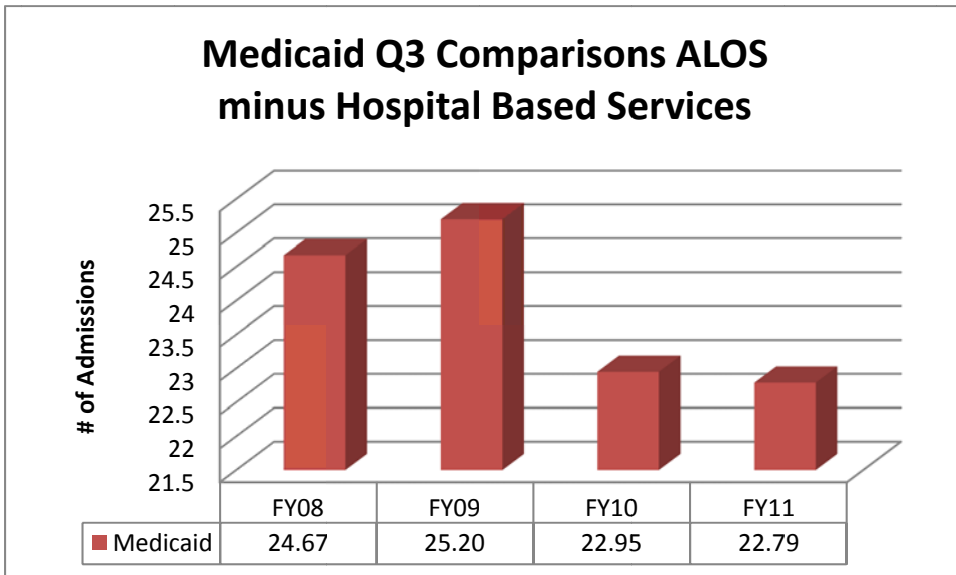


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**Comparing Medicaid Q3 only 2008, 2009, 2010 and 2011 Number of Admissions
minus Hospital Based Services:**



**Comparing Medicaid Q3 only 2008, 2009, 2010 and 2011 Average Length of Stay
(ALOS) in days minus Hospital-Based Services:**



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The following are comparisons of cumulative Q3 FY10 to Q3 FY11 *minus Social Detox for AAPS funded and Hospital Based Services for Medicaid.*

- In comparing AAPS **2010 to 2011 Q3** there is a *decrease* in total admits (2,636 to 2,323).
- In comparing Medicaid **2010 to 2011 Q3** there is a *decrease* in total admits (942 to 928).
- In comparing **2010 to 2011 Q3** there is a *decrease* in ALOS (minus detox) for AAPS funded (24.21 to 23.27) and a small *decrease* in ALOS (minus hospital based services) for Medicaid (22.95 to 22.79).

The following are comparison of cumulative Q3 FY10 to Q3 FY11 of *Social Detox and Hospital Based Services.*

- In comparing AAPS Social Detox **2010 to 2011 Q3** there is an *increase* in total admits (1,798 to 2,090) and a *decrease* in ALOS (3.37 to 3.29).
- In comparing Medicaid Hospital Based Services **2010 to 2011 Q3** there is a *decrease* in total admits (233 to 216) and a *decrease* in ALOS (3.63 to 3.36).

The following are comparisons of cumulative Q3 FY10 to Q3 FY11 of *ALL admissions types/modalities.*

- In comparing AAPS **2010 to 2011 Q3 all admissions** there is an *decrease* in total admits and a *decrease* in total days in the higher levels of care (4,434/69,866 to 4,413/60,926).
- In comparing Medicaid **2010 to 2011 Q3 all admissions** there is a slight *decrease* in total admits and a slight *decrease* in total days in the higher levels of care (1,175/22,464 to 1,144/21,872).

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 further recommended that this aggregate analysis and the ValueOptions report be posted on the ValueOptions website.
- **It is recommended that research occur to identify the reason for the decrease in Medicaid admissions and the increase in the average length of stay in quarter three of FY09.**

Date Presented to SQC: 8/11/2011

BY: Kim Brown

Recommendations from the Committee for action: Committee approves of the Preliminary Recommendations as shown above. Enhancements made by the SQC to the Preliminary Recommendations are noted above in **bold**.

Person Responsible to follow-up and date due: Kim Brown Due: 11/17/2011