

**Addiction and Prevention Services  
State Quality Committee**

This report is based upon paid claims data. Reviewers are cautioned not to draw conclusions about trends until all of the most recent quarter's data has been received and posted and substantial claims run out for the additional quarters has occurred (IBNR). Adolescents may be counted in adult or adolescent categories depending upon their date of birth.

This report can not be used to determine quality of care or outcomes of care.

**AGGREGATE ANALYSIS REPORT**

**Final**

**Reporting Period**

**FROM:** October 1, 2008

**TO:** December 31, 2008

**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.

**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.

**Results: See next page**

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**All Regions AAPS Funded:**

**Hospital Detoxification and Higher Levels of Care Utilization**

	1st Quarter	2nd Quarter	Year to Date
<b><u>LEVEL III.1 - RESIDENTIAL REINTEGRATION - ADULT</u></b>			
Admissions	377	268	645
Days Claimed	12,178	6,217	18,395
Average Length of Stay	32.30	23.20	28.52
<b><u>LEVEL III.1 - RESIDENTIAL REINTEGRATION - ADOLESCENT</u></b>			
Admissions	2	0	2
Days Claimed	61		61
Average Length of Stay	30.50		30.50
<b><u>TOTAL FOR: LEVEL III.1 - RESIDENTIAL REINTEGRATION</u></b>			
Admissions	379	268	647
Days Claimed	12,239	6,217	18,456
Average Length of Stay	32.29	23.20	28.53
<b><u>TOTAL FOR: LEVEL III.2D - RESIDENTIAL SOCIAL DETOX</u></b>			
Admissions	603	504	1,107
Days Claimed	2,012	1,588	3,600
Average Length of Stay	3.34	3.15	3.25
<b><u>TOTAL FOR: LEVEL III.3 - RESIDENTIAL ADULT INTERMEDIATE</u></b>			
Admissions	725	475	1,200
Days Claimed	16,610	9,103	25,713
Average Length of Stay	22.91	19.16	21.43
<b><u>TOTAL FOR: LEVEL III.5 - RESIDENTIAL ADOLESCENT INTERMEDIATE</u></b>			
	1st Quarter	2nd Quarter	Year to Date
Admissions	18	12	30
Days Claimed	547	295	842
Average Length of Stay	30.39	24.58	28.07
<b><u>Region Total - AAPS - All Regions</u></b>			
Admissions	1,725	1,259	2,984
Days Claimed	31,408	17,203	48,611
Average Length of Stay	18.21	13.66	16.29

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**All Regions Medicaid:**

**Hospital Detoxification and Higher Levels of Care Utilization**

	1st Quarter	2nd Quarter	Year to Date
Unduplicated Covered Lives:	204,910	223,927	226,041
<b><u>LEVEL III.1 - RESIDENTIAL REINTEGRATION - ADULT</u></b>			
Admissions	46	48	94
Days Claimed	1,140	950	2,090
Admissions/1000 Lives	0.22	0.21	0.42
Days/1000 Lives	5.56	4.24	9.25
Average Length of Stay	24.78	19.79	22.23
<b><u>LEVEL III.1 - RESIDENTIAL REINTEGRATION - ADOLESCENT</u></b>			
Admissions	1	0	1
Days Claimed	18		18
Admissions/1000 Lives	0.00		0.00
Days/1000 Lives	0.09		0.08
Average Length of Stay	18.00		18.00
<b><u>TOTAL FOR: LEVEL III.1 - RESIDENTIAL REINTEGRATION</u></b>			
Admissions	47	48	95
Days Claimed	1,158	950	2,108
Admissions/1000 Lives	0.23	0.21	0.42
Days/1000 Lives	5.65	4.24	9.33
Average Length of Stay	24.64	19.79	22.19
<b><u>TOTAL FOR: LEVEL III.3 - RESIDENTIAL ADULT INTERMEDIATE</u></b>			
Admissions	166	119	285
Days Claimed	3,226	2,291	5,517
Admissions/1000 Lives	0.81	0.53	1.26
Days/1000 Lives	15.74	10.23	24.41
Average Length of Stay	19.43	19.25	19.36
<b><u>TOTAL FOR: LEVEL III.5 - RESIDENTIAL ADOLESCENT INTERMEDIATE</u></b>			
Admissions	30	8	38
Days Claimed	957	205	1,162
Admissions/1000 Lives	0.15	0.04	0.17
Days/1000 Lives	4.67	0.92	5.14
Average Length of Stay	31.90	25.63	30.58
<b><u>TOTAL FOR: LEVEL IV - DETOXIFICATION SERVICES IN HOSPITAL SETTING</u></b>			
Admissions	17	7	24
Days Claimed	51	29	80
Admissions/1000 Lives	0.08	0.03	0.11
Days/1000 Lives	0.25	0.13	0.35
Average Length of Stay	3.00	4.14	3.33

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### TOTAL FOR: LEVEL IV - HOSPITAL BASED ADDICTION OTHER SERVICES

Admissions	24	11	35
Days Claimed	72	36	108
Admissions/1000 Lives	0.12	0.05	0.15
Days/1000 Lives	0.35	0.16	0.48
Average Length of Stay	3.00	3.27	3.09

### Region Total - Medicaid - All Regions

Admissions	284	193	477
Days Claimed	5,464	3,511	8,975
Admissions/1000 Lives	1.39	0.86	2.11
Days/1000 Lives	26.67	15.68	39.71
Average Length of Stay	19.24	18.19	18.82

### Detail by Region and Funding Source:

Utilization by Region/Funding Source	Kansas City				Northeast				South Central				Southeast				West				Wichita				Total				YTD2009	2008
Average Medicaid Covered Lives (Yr)	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		
Block Grant Number of Admissions(minus Detox adm.)	260	167			188	169			162	115			101	67			144	101			258	128							1,860	4,242
Block Grant ALOS*	29.22	23.14			24.41	19.17			25.82	19.82			26.61	21.07			30.74	21.31			22.23	19.40							24.00	25.42
Social Detox Admissions	324	298			162	117			15	12			22	17			37	30			40	22							1,096	2,330
Social Detox ALOS*	2.94	2.95			3.72	3.51			3.93	3.00			3.77	3.12			4.03	3.20			3.98	4.00							3.25	3.42
*Other Social Detox admissions																									3	8			11	27
Block Grant *Other* admissions																									9	8			17	46
Block Grant Total Admissions																													2,984	6,645
Block Grant Total Days																													48,611	117,053
Medicaid Number of Admissions (minus Detox/Hosp Adm.)	35	31			32	28			41	33			33	13			30	8			72	62							418	1,259
Medicaid ALOS	20.78	22.03			20.00	17.46			25.05	17.21			20.73	21.07			22.30	21.75			22.14	20.30							21.02	24.49
Hospital Detox/Other Admissions	11	8			7	3			2	1			2	1			1	0			18	5							59	197
Hospital ALOS	3.27	3.25			4.86	2.67			2.00	1.00			3.50	3.00			2.00	0.00			2.22	5.40							3.19	3.81
Medicaid Total Admissions																													477	1,456
Medicaid Total Days																													8,975	31,579
* ALOS Includes *Other* days																														

Note: 2008 column now contains claim run out from 4<sup>th</sup> quarter 2008, thus numbers have changed from the November 2008 AA.

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**Detail comparison Year to Year (YTY) of Quarter 1 (Q1) 2008 to Quarter 1 (Q1) 2009:**

This is a comparison of Q1 2008 to Q1 2009. The first quarter was chosen to show this comparison due the fact that claims run out will have more accurate data for Q1 2009. Block Grant “Other” not shown due to low incidence.

	Kansas City		Northeast		South Central		Southeast		West		Wichita	
	Q1/08	Q1/09	Q1/08	Q1/09	Q1/08	Q1/09	Q1/08	Q1/09	Q1/08	Q1/09	Q1/08	Q1/09
Block Grant Number of Admissions (Social Detox not included)	227	260	222	188	171	162	115	101	209	144	259	258
Block Grant ALOS	29.84	29.22	22.77	24.41	21.18	25.82	24.82	26.61	23.62	30.74	20.67	22.23
Social Detox Admissions	304	324	125	162	27	15	24	22	30	37	61	40
Social Detox ALOS	3.91	2.94	3.8	3.72	4.00	3.93	4.23	3.77	4.27	4.03	4.02	3.98
Medicaid Number of Admissions	82	35	68	32	44	41	37	33	44	30	104	72
Medicaid ALOS	26.26	20.78	23.90	20.00	26.89	25.05	29.46	20.73	21.52	22.30	20.39	22.14
Hospital Detox/Other		11		7		2		2		1	1	18
Hospital LOS		3.27		4.86		2.00		3.50		2.00	9	2.22

**Conclusions:**

- Since it is drawn from claims, the first quarter data is most accurate since it contains claims run out.
- The most outstanding difference is the utilization between AAPS funded and Medicaid; 86.23 % of all admissions were AAPS funded for YTD.
- All admissions were greater in AAPS funded for each modality except Adolescent Level III.5 which was slightly higher for Medicaid. This trend held throughout FY 2008 and thus far FY 2009.
- After pulling out Social Detox at the recommendation of the Committee last year, the overall Lengths of Stay (LOS) demonstrated a 2.98 day longer length of stay in AAPS funded vs. Medicaid for YTD.
- The modality with the highest utilization in both funding sources is Level III.3 Intermediate Adult Residential.
- In examining the detail by region and funding source table, it is noted that the region with the greatest number of admissions for Q2 is Kansas City when Social Detox is excluded.
- The regions with the longest LOS for AAPS funded for Q1 is West and for Q2 is Kansas City (Social Detox Excluded); The regions with the longest LOS for Medicaid for Q1 is South Central for Q2 is Kansas City

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- The regions with the shortest LOS for Block Grant for Q1 is Wichita and for Q2 is Northeast (Social Detox Excluded); the region with the shortest LOS for Medicaid for both Q1 and Q2 is Northeast.

**YTY Conclusions Q1 2008 to Q1 2009**

- The LOS for Block Grant increased in five regions and decreased in one; The LOS for Medicaid decreased in four regions and increased in two regions.
- However, the number of admissions demonstrated a different trend with AAPS funded showing a decrease in five regions and an increase in only one; For Medicaid, the number of admissions decreased in all regions.
- **Q1 2008 was a transitional first quarter.**

**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 is shared at the Regional QI meetings and posted on the ValueOptions website.

**Date Presented to SQC:** 2/5/2009

**BY:** Kim Brown

**Recommendations from the Committee for action:** Recommendation and changes made by the SQC to the YTY Conclusions Q1 2008 to Q1 2009 are noted above in **bold**. Committee concurs with QI recommendations made.

**Person Responsible to follow-up and date due:** Kim Brown Due: 5/7/2009