

**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.

**Final**

**AGGREGATE ANALYSIS REPORT**

**Reporting Period**                      **FROM:** January 1, 2009                      **TO:** March 31, 2009

**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. Previous quarters data will be updated over time as claims run out occurs. Data from the 2008 claims run-out updated data reports have been used for YTY comparison tables.

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**Results: See next page**

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**All Regions AAPS Funded:**

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

	1st Quarter	2nd Quarter	3rd Quarter	Year to Date
<b><u>LEVEL III.1 - RESIDENTIAL REINTEGRATION - ADULT</u></b>				
Admissions	370	341	194	905
Days Claimed	12,161	10,847	4,835	27,843
Average Length of Stay	32.87	31.81	24.92	30.77
<b><u>LEVEL III.1 - RESIDENTIAL REINTEGRATION - ADOLESCENT</u></b>				
Admissions	2	0	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	372	341	194	907
Days Claimed	12,222	10,847	4,835	27,904
Average Length of Stay	32.85	31.81	24.92	30.77
<b><u>LEVEL III.2D - RESIDENTIAL SOCIAL DETOX - ADULT</u></b>				
Admissions	617	588	544	1,749
Days Claimed	2,052	1,968	1,722	5,742
Average Length of Stay	3.33	3.35	3.17	3.28
<b><u>LEVEL III.2D - RESIDENTIAL SOCIAL DETOX - ADOLESCENT</u></b>				
Admissions	0	0	1	1
Days Claimed			1	1
Average Length of Stay			1.00	1.00
<b><u>TOTAL FOR: LEVEL III.2D - RESIDENTIAL SOCIAL DETOX</u></b>				
Admissions	617	588	545	1,750
Days Claimed	2,052	1,968	1,723	5,743
Average Length of Stay	3.33	3.35	3.16	3.28
<b><u>TOTAL FOR: LEVEL III.3 - RESIDENTIAL ADULT INTERMEDIATE</u></b>				
Admissions	721	593	410	1,724
Days Claimed	16,549	13,414	7,925	37,888
Average Length of Stay	22.95	22.62	19.33	21.98

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**TOTAL FOR: LEVEL III.5 - RESIDENTIAL ADOLESCENT INTERMEDIATE**

Admissions	16	25	9	50
Days Claimed	455	709	230	1,394
Average Length of Stay	28.44	28.36	25.56	27.88

**Region Total - AAPS - All Regions**

Admissions	1,726	1,547	1,158	4,431
Days Claimed	31,278	26,938	14,713	72,929
Average Length of Stay	18.12	17.41	12.71	16.46

**All Regions Medicaid:**

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

	1st Quarter	2nd Quarter	3rd Quarter	Year to Date
Unduplicated Covered Lives:	195,587	222,316	240,836	246,854

**LEVEL III.1 - RESIDENTIAL REINTEGRATION - ADULT**

Admissions	49	73	49	171
Days Claimed	1,311	2,464	917	4,692
Admissions/1000 Lives	0.25	0.33	0.20	0.69
Days/1000 Lives	6.70	11.08	3.81	19.01
Average Length of Stay	26.76	33.75	18.71	27.44

**LEVEL III.1 - RESIDENTIAL REINTEGRATION - ADOLESCENT**

Admissions	1	0	0	1
Days Claimed	18			18
Admissions/1000 Lives	0.01			0.00
Days/1000 Lives	0.09			0.07
Average Length of Stay	18.00			18.00

**TOTAL FOR: LEVEL III.1 - RESIDENTIAL REINTEGRATION**

Admissions	50	73	49	172
Days Claimed	1,329	2,464	917	4,710
Admissions/1000 Lives	0.26	0.33	0.20	0.70
Days/1000 Lives	6.79	11.08	3.81	19.08
Average Length of Stay	26.58	33.75	18.71	27.38

**TOTAL FOR: LEVEL III.3 - RESIDENTIAL ADULT INTERMEDIATE**

Admissions	175	183	123	481
Days Claimed	3,378	4,094	2,234	9,706
Admissions/1000 Lives	0.89	0.82	0.51	1.95
Days/1000 Lives	17.27	18.42	9.28	39.32
Average Length of Stay	19.30	22.37	18.16	20.18

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**TOTAL FOR: LEVEL III.5 - RESIDENTIAL ADOLESCENT INTERMEDIATE**

Admissions	34	30	18	82
Days Claimed	1,070	847	475	2,392
Admissions/1000 Lives	0.17	0.13	0.07	0.33
Days/1000 Lives	5.47	3.81	1.97	9.69
Average Length of Stay	31.47	28.23	26.39	29.17

**TOTAL FOR: LEVEL IV - DETOXIFICATION SERVICES IN HOSPITAL SETTING**

Admissions	18	15	5	38
Days Claimed	58	62	13	133
Admissions/1000 Lives	0.09	0.07	0.02	0.15
Days/1000 Lives	0.30	0.28	0.05	0.54
Average Length of Stay	3.22	4.13	2.60	3.50

**LEVEL IV - HOSPITAL BASED ADDICTION OTHER SERVICES - ADULT**

Admissions	32	36	11	79
Days Claimed	89	124	32	245
Admissions/1000 Lives	0.16	0.16	0.05	0.32
Days/1000 Lives	0.46	0.56	0.13	0.99
Average Length of Stay	2.78	3.44	2.91	3.10

**LEVEL IV - HOSPITAL BASED ADDICTION OTHER SERVICES - ADOLESCENT**

Admissions	0	1	1	2
Days Claimed		3	2	5
Admissions/1000 Lives		0.00	0.00	0.01
Days/1000 Lives		0.01	0.01	0.02
Average Length of Stay		3.00	2.00	2.50

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

Admissions	32	37	12	81
Days Claimed	89	127	34	250
Admissions/1000 Lives	0.16	0.17	0.05	0.33
Days/1000 Lives	0.46	0.57	0.14	1.01
Average Length of Stay	2.78	3.43	2.83	3.09

**Region Total - Medicaid - All Regions**

Admissions	309	338	207	854
Days Claimed	5,924	7,594	3,673	17,191
Admissions/1000 Lives	1.58	1.52	0.86	3.46
Days/1000 Lives	30.29	34.16	15.25	69.64
Average Length of Stay	19.17	22.47	17.74	20.13

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### Detail by Region and Funding Source:

Utilization by Region/Funding Source																														
Average Medicaid Covered Lives (Yr)	57K				41K				28K				23K				26K				49K									
	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	YTD2009	2008
Block Grant Number of Admissions(minus Detox adm.)	254	219	151		186	210	110		160	138	75		100	78	58		143	140	96		257	167	118						2,660	4,242
Block Grant ALOS*	30.54	28.93	16.93		24.18	26.11	12.80		26.04	24.82	19.63		27.46	26.21	20.72		30.85	25.04	23.06		22.37	23.88	21.15						24.82	25.42
Social Detox Admissions	340	346	331		162	137	117		15	15	10		21	18	26		36	38	25		40	27	24						1,728	2,330
Social Detox ALOS*	2.94	3.06	2.90		3.72	3.74	3.68		3.93	3.80	3.70		3.71	3.22	3.50		4.03	3.87	3.08		3.98	4.15	3.92						3.33	3.42
"Other" Social Detox admissions																														
Block Grant "Other" admissions																													9	7
Block Grant Total Admissions																														
Block Grant Total Days																														
Medicaid Number of Admissions (minus Detox/Hosp Adm.)	40	71	41		39	42	23		42	41	22		33	21	18		31	27	28		75	84	58						736	1259
Medicaid ALOS	21.20	30.14	22.80		20.72	22.57	17.17		25.31	22.98	18.85		21.94	26.29	23.61		21.81	29.67	19.46		22.11	24.07	16.36						22.84	24.49
Hospital Detox/Other Admissions	16	21	6		6	9	3		2	2	2		5	6	0		1	1	1		19	13	4						117	197
Hospital ALOS	3.31	3.62	3.17		5.67	2.89	1.67		2.00	4.00	5.50		2.40	2.83	NA		2.00	6.00	2.00		2.21	4.31	2.00						3.25	3.81
Medicaid "Other" Adm.																													1	1
Medicaid Total Admissions	56	92	47		45	51	26		44	43	24		38	27	18		32	28	29		94	97	62						854	1456
Medicaid Total Days	901	2,216	954		842	974	400		1067	950	388		736	569	425		678	807	547		1,700	2,078	957						17,191	31,579
* ALOS YTD totals includes "Other" days and adm.																														

### Region and Funding Source Conclusions:

- Since it is drawn from claims, the first two quarters of data is most accurate since it contains claims run out.
- A difference was noted in the YTD utilization between AAPS funded and Medicaid; 83.84 % of all admissions were AAPS funded for YTD for Q3. Last quarter 86.23 % of YTD admissions were AAPS funded.
- After pulling out Social Detox at the recommendation of the Committee last year, the overall Lengths of Stay (LOS) demonstrated a 1.98 day longer length of stay in AAPS funded vs. Medicaid for YTD. This is a drop from the 2.98 of YTD LOS difference of last quarter.
- The modality with the highest utilization in both funding sources is Level III.3 Intermediate Adult Residential. (AAPS funded Social Detox excluded as it is the highest of all)
- In examining the detail by region and funding source table, it is noted that the region with the greatest number of admissions YTD is Kansas City when Social Detox is excluded.
- The regions with the longest LOS for AAPS funded for Q1 is the West and for Q2 is Kansas City (Social Detox Excluded). However, West had the greatest reduction in LOS Q1 to Q2. The region with the longest LOS for Medicaid for Q1 is South Central for Q2 is Kansas City.
- The regions with the shortest LOS for AAPS funded for both Q1 and Q2 is Wichita (Social Detox Excluded); the region with the shortest LOS for Medicaid for both Q1 and Q2 is Northeast.

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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 Q1 2009 data is updated on this chart from the chart shown in the February 2009 9a AA as claim corrections took place. 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)	226	254	224	186	174	160	115	100	209	143	257	257
Block Grant ALOS	29.73	30.54	23.38	24.18	21.43	26.04	24.26	27.46	23.57	30.85	21.20	22.37
Social Detox Admissions	314	340	128	162	27	15	25	21	31	36	63	40
Social Detox ALOS	3.17	2.54	3.83	3.72	4.26	3.93	3.60	3.71	4.26	4.03	4.00	3.98
Medicaid Number of Admissions	82	71	68	39	43	42	37	33	46	31	104	75
Medicaid ALOS	24.82	30.14	24.21	20.72	24.60	25.31	29.46	21.94	21.07	21.61	20.39	22.11
Hospital Detox/Other	19	21	6	6	10	2	8	5	6	1	18	19
Hospital LOS	5.00	3.62	5.67	5.67	2.70	2.00	4.00	2.40	3.00	2.00	4.22	2.21
Updated Version 5-09												

**Detail comparison Year to Year (YTY) of Quarter 2 (Q2) 2008 to Quarter 2 (Q2) 2009:**

This is a comparison of Q2 2008 to Q2 2009. Block Grant “Other” not shown due to low incidence.

	Kansas City		Northeast		South Central		Southeast		West		Wichita	
	Q2/08	Q2/09	Q2/08	Q2/09	Q2/08	Q2/09	Q2/08	Q2/09	Q2/08	Q2/09	Q2/08	Q2/09
Block Grant Number of Admissions (Social Detox not included)	221	219	138	210	97	138	87	78	159	140	241	167
Block Grant ALOS	35.22	28.93	22.46	26.11	23.36	24.82	25.74	26.21	22.48	25.04	22.17	23.88
Social Detox Admissions	296	346	130	137	18	15	25	18	26	38	69	27
Social Detox ALOS	3.07	3.06	3.99	3.74	3.33	3.80	4.24	3.22	4.38	3.87	4.07	4.15
Medicaid Number of Admissions	56	71	37	42	42	41	32	21	28	27	96	84
Medicaid ALOS	23.84	30.14	27.65	22.57	33.33	22.98	30.31	26.29	27.25	29.67	20.95	24.07
Hospital Detox/Other	17	21	5	9	9	2	2	6	5	1	9	13
Hospital LOS	4.41	3.62	3.00	2.89	3.11	4.00	1.00	2.83	3.6	6.00	6.00	4.31

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**YTY Conclusions Q1 2008 to Q1 2009:**

- The number of admissions for Medicaid decreased in all six regions.
- The number of admissions for AAPS funded decreased in four regions, increased in one region and stayed the same for one region.
- The LOS for AAPS (excluding Social Detox) funded increased in all six regions with the West and Northeast having the greatest increases.
- The LOS for Medicaid (excluding hospital based services) decreased in three regions and increased in three regions. Northeast and Southeast had the greatest decrease; Kansas City had the greatest increase.
- Q1 2008 was a transitional first quarter and claim corrections changed some data from the February AA.

**YTY Conclusions Q2 2008 to Q2 2009:**

- Q2 YTY comparisons may be more valid than the transitional Q1 YTY data.
- The number of admissions for AAPS (excluding Social Detox) funded increased in two regions and decreased in four regions.
- Northeast had a 42.2 % increase in the number of admissions and Wichita had a 30.7% decrease in the number of admissions.
- The LOS for AAPS (excluding Social Detox) funded increased in five regions and decreased in one region. The region with the greatest decrease was Kansas City with 6.29 day reduction in LOS. The region with the greatest increase was Northeast with a 3.65 day increase LOS.
- The AAPS Social Detox trends in LOS demonstrated a decrease in four regions from 2008 to 2009. Wichita had the greatest decrease in the number of admissions and Southeast had the greatest reduction in LOS.
- Thus, for AAPS funded the number of admissions decreased but the LOS increased. This may reflect that clients have been more appropriately placed in lower levels of care and those that are admitted require longer stays due to clinical severity. It is noted that the number of admissions in the lower levels of care have increased in comparing Q2 2008 to Q2 2009.
- The number of admissions for Medicaid (excluding hospital based services) increased in two regions and decreased in four regions. Kansas City had the greatest increase in the number of admissions with a 26.7% increase in the number of admissions.
- The LOS for Medicaid (excluding hospital based services) decreased in three regions and increased in three regions. The region with the greatest decrease was South Central with a 10.35 day reduction in LOS. The region with the greatest Medicaid LOS increase was Kansas City with a 6.3 day increase in LOS. Note this in contrast to the *decrease* in AAPS funded LOS for Kansas City.
- The low numbers in the Medicaid Detox/Hospital based services makes trending less valid thus none was done.



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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 expected that clearer trends will emerge over time.
- As some providers have recently reported expending all or most of their allocated AAPS funds, analysis will be carefully done on both the third and the fourth quarter data after claims run out to assess the potential impact of that issue.
- 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:** 5/7/2009

**BY:** Kim Brown

**Recommendations from the Committee for action:** Committee concurs with QI recommendations made.

**Person Responsible to follow-up and date due:** Kim Brown Due: 8/4/2009