

**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:** April 1, 2009    **TO:** June 30, 2009

**Unit/Team/Department:**  
PIHP Quality Improvement

**Topic/Project:**  
Over and Under Utilization  
**Lower Levels of Care Utilization (VO #10a, Grid Row #7) 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 lower 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:**  
This utilization report includes Assessments, Intensive Outpatient, Outpatient and Other 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.  
Admissions are more of a "number of visits" count. Units are time based. Note that the units vary from fifteen minutes, to one session, to one day based on the modality. **Transfers between Levels of Care are counted as admissions to each Level of Care.** Previous quarters data will be updated over time as claims run out occurs. Data from the 2008 claims run-out updated UM data reports have been used for YTY comparison tables.

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**All Regions AAPS Funded:**

<b>Outpatient and Lower Levels of Care Utilization</b>					
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Year to Date
<b><u>LEVEL I - OUTPATIENT COUNSELING - ADULT (15 MINUTE UNIT)</u></b>					
Admissions	1,423	1,231	1,536	1,209	5,399
Units Claimed	148,216	120,602	131,476	54,723	455,017
Average Units per Admit	104.16	97.97	85.60	45.26	84.28
<b><u>LEVEL I - OUTPATIENT COUNSELING - ADOLESCENT (15 MINUTE UNIT)</u></b>					
Admissions	79	45	82	56	262
Units Claimed	6,859	3,442	4,670	1,620	16,591
Average Units per Admit	86.82	76.49	56.95	28.93	63.32
<b><u>TOTAL FOR: LEVEL I - OUTPATIENT COUNSELING (15 MINUTE UNIT)</u></b>					
Admissions	1,502	1,276	1,618	1,265	5,661
Units Claimed	155,075	124,044	136,146	56,343	471,608
Average Units per Admit	103.25	97.21	84.14	44.54	83.31
<b><u>LEVEL II.1 - INTENSIVE OUTPATIENT PROGRAM - ADULT (1 DAY UNIT)</u></b>					
Admissions	400	360	343	300	1,403
Units Claimed	6,964	6,402	5,168	3,041	21,575
Average Units per Admit	17.41	17.78	15.07	10.14	15.38
<b><u>LEVEL II.1 - INTENSIVE OUTPATIENT PROGRAM - ADOLESCENT (1 DAY UNIT)</u></b>					
Admissions	4	15	5	5	29
Units Claimed	42	218	79	69	408
Average Units per Admit	10.50	14.53	15.80	13.80	14.07
<b><u>TOTAL FOR: LEVEL II.1 - INTENSIVE OUTPATIENT PROGRAM (1 DAY UNIT)</u></b>					
Admissions	404	375	348	305	1,432
Units Claimed	7,006	6,620	5,247	3,110	21,983
Average Units per Admit	17.34	17.65	15.08	10.20	15.35
<b><u>OTHER SERVICE - ASSESSMENT - ADULT (1 SESSION UNIT)</u></b>					
Admissions	2,049	1,821	2,533	2,182	8,585
Units Claimed	2,187	1,960	2,736	2,272	9,155
Average Units per Admit	1.07	1.08	1.08	1.04	1.07
<b><u>OTHER SERVICE - ASSESSMENT - ADOLESCENT (1 SESSION UNIT)</u></b>					
Admissions	76	60	100	70	306
Units Claimed	76	60	100	71	307
Average Units per Admit	1.00	1.00	1.00	1.01	1.00
<b><u>TOTAL FOR: OTHER SERVICE - ASSESSMENT (1 SESSION UNIT)</u></b>					
Admissions	2,125	1,881	2,633	2,252	8,891
Units Claimed	2,263	2,020	2,836	2,343	9,462
Average Units per Admit	1.06	1.07	1.08	1.04	1.06

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**TOTAL FOR: OTHER SERVICE - OVERNIGHT BOARDING (1 DAY UNIT)**

Admissions	25	28	11	27	91
Units Claimed	855	992	255	837	2,939
Average Units per Admit	34.20	35.43	23.18	31.00	32.30

**OTHER SERVICE - PERSON CENTERED CASE MANAGEMENT - ADULT (15 MINUTE UNIT)**

Admissions	36	25	33	38	132
Units Claimed	1,094	764	581	329	2,768
Average Units per Admit	30.39	30.56	17.61	8.66	20.97

**OTHER SERVICE - PERSON CENTERED CASE MANAGEMENT - ADOLESCENT (15 MINUTE UNIT)**

Admissions	1	0	0	0	1
Units Claimed	4				4
Average Units per Admit	4.00				4.00

**TOTAL FOR: OTHER SERVICE - PERSON CENTERED CASE MANAGEMENT (15 MINUTE UNIT)**

Admissions	37	25	33	38	133
Units Claimed	1,098	764	581	329	2,772
Average Units per Admit	29.68	30.56	17.61	8.66	20.84

**OTHER SERVICE - SUPPORT SERVICES (TRANSPORT/TECH) - ADULT (1 HOUR UNIT)**

Admissions	97	85	82	42	306
Units Claimed	458	364	228	167	1,217
Average Units per Admit	4.72	4.28	2.78	3.98	3.98

**OTHER SERVICE - SUPPORT SERVICES (TRANSPORT/TECH) - ADOLESCENT (1 HOUR UNIT)**

Admissions	14	13	10	5	42
Units Claimed	301	320	125	28	774
Average Units per Admit	21.50	24.62	12.50	5.60	18.43

**TOTAL FOR: OTHER SERVICE - SUPPORT SERVICES (TRANSPORT/TECH) (1 HOUR UNIT)**

Admissions	111	98	92	47	348
Units Claimed	759	684	353	195	1,991
Average Units per Admit	6.84	6.98	3.84	4.15	5.72

**Region Total - AAPS - All Regions**

Admissions	4,204	3,683	4,735	3,934	16,556
Units Claimed	167,056	135,124	145,418	63,157	510,755
Average Units per Admit	39.74	36.69	30.71	16.05	30.85

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**All Regions Medicaid:**

**Outpatient and Lower Levels of Care Utilization**

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Year to Date
Unduplicated Covered Lives:	167,567	195,584	222,668	239,620	249,092
<b><u>LEVEL I - OUTPATIENT COUNSELING - ADULT (15 MINUTE UNIT)</u></b>					
Admissions	415	397	436	338	1,586
Units Claimed	42,123	34,121	38,948	14,392	129,584
Admissions/1000 Lives	2.48	2.03	1.96	1.41	6.37
Units/1000 Lives	251.38	174.46	174.92	60.06	520.23
Average Units per Admit	101.50	85.95	89.33	42.58	81.70
<b><u>LEVEL I - OUTPATIENT COUNSELING - ADOLESCENT (15 MINUTE UNIT)</u></b>					
Admissions	295	284	281	230	1,090
Units Claimed	35,422	35,420	31,258	15,249	117,349
Admissions/1000 Lives	1.76	1.45	1.26	0.96	4.38
Units/1000 Lives	211.39	181.10	140.38	63.64	471.11
Average Units per Admit	120.07	124.72	111.24	66.30	107.66
<b><u>TOTAL FOR: LEVEL I - OUTPATIENT COUNSELING (15 MINUTE UNIT)</u></b>					
Admissions	710	681	717	568	2,676
Units Claimed	77,545	69,541	70,206	29,641	246,933
Admissions/1000 Lives	4.24	3.48	3.22	2.37	10.74
Units/1000 Lives	462.77	355.56	315.29	123.70	991.33
Average Units per Admit	109.22	102.12	97.92	52.18	92.28
<b><u>LEVEL II.1 - INTENSIVE OUTPATIENT PROGRAM - ADULT (1 DAY UNIT)</u></b>					
Admissions	113	115	106	112	446
Units Claimed	2,126	2,411	2,007	1,285	7,829
Admissions/1000 Lives	0.67	0.59	0.48	0.47	1.79
Units/1000 Lives	12.69	12.33	9.01	5.36	31.43
Average Units per Admit	18.81	20.97	18.93	11.47	17.55
<b><u>LEVEL II.1 - INTENSIVE OUTPATIENT PROGRAM - ADOLESCENT (1 DAY UNIT)</u></b>					
Admissions	51	64	55	53	223
Units Claimed	1,679	1,345	1,262	779	5,065
Admissions/1000 Lives	0.30	0.33	0.25	0.22	0.90
Units/1000 Lives	10.02	6.88	5.67	3.25	20.33
Average Units per Admit	32.92	21.02	22.95	14.70	22.71
<b><u>TOTAL FOR: LEVEL II.1 - INTENSIVE OUTPATIENT PROGRAM (1 DAY UNIT)</u></b>					
Admissions	164	179	161	165	669
Units Claimed	3,805	3,756	3,269	2,064	12,894
Admissions/1000 Lives	0.98	0.92	0.72	0.69	2.69
Units/1000 Lives	22.71	19.20	14.68	8.61	51.76
Average Units per Admit	23.20	20.98	20.30	12.51	19.27

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### OTHER SERVICE - ASSESSMENT - ADULT (1 SESSION UNIT)

Admissions	625	592	714	574	2,505
Units Claimed	675	644	770	595	2,684
Admissions/1000 Lives	3.73	3.03	3.21	2.40	10.06
Units/1000 Lives	4.03	3.29	3.46	2.48	10.78
Average Units per Admit	1.08	1.09	1.08	1.04	1.07

### OTHER SERVICE - ASSESSMENT - ADOLESCENT (1 SESSION UNIT)

Admissions	275	313	371	254	1,213
Units Claimed	297	360	434	262	1,353
Admissions/1000 Lives	1.64	1.60	1.67	1.06	4.87
Units/1000 Lives	1.77	1.84	1.95	1.09	5.43
Average Units per Admit	1.08	1.15	1.17	1.03	1.12

### TOTAL FOR: OTHER SERVICE - ASSESSMENT (1 SESSION UNIT)

Admissions	900	905	1,085	828	3,718
Units Claimed	972	1,004	1,204	857	4,037
Admissions/1000 Lives	5.37	4.63	4.87	3.46	14.93
Units/1000 Lives	5.80	5.13	5.41	3.58	16.21
Average Units per Admit	1.08	1.11	1.11	1.04	1.09

### OTHER SERVICE - MEDICAID CASE MANAGEMENT - ADULT (15 MINUTE UNIT)

Admissions	42	40	43	30	155
Units Claimed	982	931	805	266	2,984
Admissions/1000 Lives	0.25	0.20	0.19	0.13	0.62
Units/1000 Lives	5.86	4.76	3.62	1.11	11.98
Average Units per Admit	23.38	23.28	18.72	8.87	19.25

### OTHER SERVICE - MEDICAID CASE MANAGEMENT - ADOLESCENT (15 MINUTE UNIT)

Admissions	4	0	1	0	5
Units Claimed	17		8		25
Admissions/1000 Lives	0.02		0.00		0.02
Units/1000 Lives	0.10		0.04		0.10
Average Units per Admit	4.25		8.00		5.00

### TOTAL FOR: OTHER SERVICE - MEDICAID CASE MANAGEMENT (15 MINUTE UNIT)

Admissions	46	40	44	30	160
Units Claimed	999	931	813	266	3,009
Admissions/1000 Lives	0.27	0.20	0.20	0.13	0.64
Units/1000 Lives	5.96	4.76	3.65	1.11	12.08
Average Units per Admit	21.72	23.28	18.48	8.87	18.81

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### Region Total - Medicaid - All Regions

Admissions	1,820	1,805	2,007	1,591	7,223
Units Claimed	83,321	75,232	75,492	32,828	266,873
Admissions/1000 Lives	10.86	9.23	9.01	6.64	29.00
Units/1000 Lives	497.24	384.65	339.03	137.00	1,071.38
Average Units per Admit	45.78	41.68	37.61	20.63	36.95

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**Total Admissions Lower Levels of Care by Region and Funding Source FY 2009**

	Kansas City				Northeast				South Central				Southeast				West				Wichita				Total				YTD	2008
	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	779	730	1085	909	838	725	1102	864	652	545	657	559	392	350	384	343	433	386	526	419	1068	916	922	801	4,162	3,652	4,676	3895	16,385	13,510
Block Grant "Other"																									42	31	59	39	171	141
Block Grant Total																									4204	3683	4735	3934	16,556	13,651
Medicaid Number of Admissions	290	326	321	265	329	306	328	261	257	256	301	242	197	211	208	185	176	185	210	127	571	521	639	511	1820	1805	2007	1591	7223	7605
Medicaid Total																									1,820	1,805	2,007	1,591	7,223	7,605

Block Grant "Other": Members who were not mapped to a valid region at time of service are reported in the "Other" region.

**Region and Funding Source Conclusions for Q4 to date:**

- Since it is drawn from claims, the first three quarters (Q1, Q2, and Q3) of data is the most accurate data since it contains more claims run out. **Q4 data is not analyzed in detail as it does not contain claims run out.**
- Totals in chart will have changes from Q3 AA due to claims run out.
- The percentage of AAPS admissions to Medicaid admissions continues to run at approximately 70% to 30 % for YTD.
- Assessments have the highest incidence by volume for both Medicaid and AAPS funded.
- Level I Outpatient continues to be the second highest service by volume in both funding sources.
- Overnight Boarding will show as adult claims. This is because ValueOptions attaches the payment and the authorization for overnight boarding to the ID of the person who is in treatment. Thus, the report shows adults instead of children. Overnight Boarding will be moved to the Higher Levels of Care report (VO 9a) after July 1<sup>st</sup>, per the SQC recommendation.
- AAPS funded number of admissions increased from Q2 to Q3 in all Regions. The Northeast Region has the greatest number of admissions for the Q3.
- Medicaid funded admissions demonstrated an increase in the number of admissions in four Regions and a decrease in two Regions from Q2 to Q3. Wichita had the highest number of Medicaid admissions in Q3 which was also true for Q1 and Q2.

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

	Kansas City		Northeast		South Central		Southeast		West		Wichita		Total	
	Q1/08	Q1/09	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	692	779	823	838	712	652	530	392	530	433	1030	1068	4317	4162
Block Grant "Other"													52	42
Block Grant Total													4369	4204
Medicaid Number of Admissions	412	290	412	329	277	257	240	197	278	176	829	571	2448	1820
Medicaid Total													2448	1820

Block Grant "Other": Members who were not mapped to a valid region at time of service are reported in the "Other" region.

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**YTY Conclusions Q1 2008 to Q1 2009**

- Caution should be taken in the comparison of this data since assessments were not adequately captured in 2008 and this is now being captured in the 2009 data sets.
- The number of outpatient admissions for AAPS funded increased in three Regions and decreased in three Regions when Q1 2008 is compared to Q1 2009.
- The number of outpatient admissions for Medicaid decreased in all six Regions when Q1 FY2008 is compared to Q1 FY2009.
- The Southeast Region had the greatest decline in AAPS funded admissions in Q1 from FY2008 to FY 2009.
- The Wichita Region had the greatest decline in the number of Medicaid admissions in Q1 from FY2008 to FY 2009.
- Wichita has the greatest number of admissions in Q1 for both FY2008 and FY 2009.

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

	Kansas City		Northeast		South Central		Southeast		West		Wichita		Total	
	Q2/08	Q2/09	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	464	730	490	725	493	545	283	350	353	386	768	916	2851	3652
Block Grant "Other"													36	31
Block Grant Total													2887	3683
Medicaid Number of Admissions	251	326	279	306	248	256	175	211	149	185	540	521	1642	1805
Medicaid Total													1642	1805

Block Grant "Other": Members who were not mapped to a valid region at time of service are reported in the "Other" region.

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

- Caution should be taken in the comparison of this data since assessments were not adequately captured in 2008 and this is now being captured in the 2009 data sets.
- The number of outpatient admissions for AAPS funded increased in all six Regions when Q2 2008 is compared to Q2 2009.
- The Kansas City Region had the greatest increase in AAPS funded admissions in Q2 from FY2008 to FY 2009.
- The number of outpatient admissions for Medicaid increased in five Regions and decreased in just one Region when comparing Q2 2008 to Q2 2009. This is in contrast to the Q1 comparisons that demonstrated a decrease in all six Regions when Q1 2008 is compared to Q1 2009.
- The Kansas City Region had the greatest increase in the number of Medicaid admissions in Q2 from FY2008 to FY 2009.
- Wichita has the greatest number of admissions in Q2 for both FY2008 and FY 2009.

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**Detail comparison Year to Year (YTY) of Quarter 3 (Q3) 2008 to Quarter 3 (Q3) 2009:**

	Kansas City		Northeast		South Central		Southeast		West		Wichita		Total	
	Q3/08	Q3/09	Q3/08	Q3/09	Q3/08	Q3/09	Q3/08	Q3/09	Q3/08	Q3/09	Q3/08	Q3/09	Q2308	Q3/09
Block Grant Number of Admissions	532	1085	570	1102	565	657	328	384	303	526	826	922	3124	4676
Block Grant "Other"													28	59
Block Grant Total													3152	4735
Medicaid Number of Admissions	326	321	303	328	256	301	214	208	179	210	554	639	1832	2007
Medicaid Total													1832	2007

**YTY Conclusions Q3 2008 to Q3 2009:**

- Caution should be taken in the comparison of this data since assessments were not adequately captured in 2008 and this is now being captured in the 2009 data sets.
- The number of outpatient admissions for AAPS funded increased in all six Regions when Q3 2008 is compared to Q3 2009.
- The Kansas City Region had the greatest increase in AAPS funded admissions in Q3 from FY2008 to FY 2009
- The number of outpatient admissions for Medicaid increased in four Regions and decreased in two Regions when comparing Q3 2008 to Q3 2009. This is in contrast to the Q1 comparisons that demonstrated a decrease in all six regions when Q1 2008 is compared to Q1 2009 and to Q2 comparisons that demonstrated an increase in five Regions and decrease in just one Region when comparing Q2 2008 to Q2 2009.
- The Wichita Region had the greatest increase in the number of Medicaid admissions in Q3 from FY2008 to FY 2009.
- **Per Request of SQC: The higher levels of care AAPS funded to Medicaid ratio of 4:1 admittance vs. AAPS funded to Medicaid ratio of 2:1 admittance in the lower levels of care continues with that same ratio trend again for Q3.**

**Preliminary Recommendations to Committee:**

- It is recommended to the Committee that data trending continue and reporting on all objectives going forward and to continue to include YTY comparisons.
- It is recommended that trends in the Annual Summary due to be reported at the November 2009 SQC be carefully analyzed for the impact on utilization due to funding issues.
- It is recommended by the Committee that this aggregate analysis and the ValueOptions report where the data was pulled be shared at the VO Regional QI meeting and posted on the ValueOptions website with continued instruction and clarification by ValueOptions on how viewers interpret the report detail.
- **FY08 data is impacted due to lack of assessments being fully captured until July 2008.**
- **In the November report, assessments will also be broken out into a table for FY09.**



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**Date Presented to SQC:** 8/4/2009

**BY:** Kim Brown

**Recommendations from the Committee for action:** Recommendation and changes made by the SQC to the Data Collection Activities and Preliminary Recommendations are noted above in **bold**.

**Person Responsible to follow-up and date due:** Kim Brown Due: 11/5/2009