

## RubyWell

### Evaluation of Home Health Expenditures in a Medicare-Eligible Population

August 19, 2025

Prepared by:  
**Wakely Consulting Group, LLC**

**Robert Lang, FSA, MAAA**  
Senior Consulting Actuary

**Ann Pogrebitskiy, ASA, MAAA**  
Consulting Actuary

## Table of Contents

Executive Summary .....	2
Results .....	3
Data, Assumptions and Methodology .....	11
Caveats and Limitations.....	15
Disclosures .....	16
Appendix A.....	19

## Executive Summary

---

Wakely was retained by RubyWell to evaluate the potential financial implications resulting from providing access to all Medicare beneficiaries who meet criteria for home health services under the current law. To accomplish this, we compared various HH utilizing cohorts to a non-utilizing population that was considered to be eligible for Home Health services. We also evaluated the impact of Home Health Aide services, unskilled support delivered alongside skilled home health, on both total cost of care (TCOC) and outcomes.

We observed that there was a material difference in medical TCOC for those utilizing HH services relative to their non-utilizing counterparts. In particular, we make the following key observations:

1. HH utilizers had approximately \$3,600 lower expenses on a per member per month basis than the identified non-utilizing population. This amounts to comparatively 42% lower expenditures. When costs are normalized via risk score to a comparable morbidity as the non-utilizers, we still observe roughly \$1,500 lower per member per month (PMPM) expenses which amounts to about 17% lower expenditures.
2. When we organized non-utilizing and utilizing populations into comparable risk score cohorts, we observe PMPM total cost of care between \$2,700 and \$3,300 lower (34%-43% lower) at each level of risk morbidity.
3. Increasing dosage of home health aide utilization appears to contribute to lower overall expenditures compared to lower home health aide utilization as patients seem to rely on these services more than expensive inpatient and skilled nursing facilities. More readily employing the use of Home Health Aides may help redirect care from institutional settings to the home, contributing to lower overall expenditures.
4. The majority of the expense differential between cohorts is attributed to lower inpatient expenses for HH utilizers. We note that this may in part be due to the definition of non-utilizers which relies on having multiple inpatient stays. Although that definition is imperfect, it is a characteristic that is consistent with the majority of HH utilizers and thus an important criterion for appropriately identifying the non-HH utilizing population who would be eligible for HH services.

In summary, these cohort-level comparisons suggest that Home Health utilizers tend to have lower expenditures than non-utilizers indicating that ensuring access to Home Health services may contribute to material savings in the Medicare program by reducing inpatient visits and/or lengths of stay.

The remainder of this report is used to provide further discussion around the results and to document data, assumptions, methodology, and limitations of the study.

## Results

---

As stated above, the goal of this analysis is to evaluate the potential financial impacts which would result in the Medicare program if Home Health (HH) services were more widely available and utilized. We also consider some health outcome results as able to be measured through claims utilization.

For this analysis, we developed a control group of individuals who likely qualify for Home Health services but did not utilize these services. The criteria for inclusion in the control group was developed from the most common characteristics of HH utilizers as determined from claim and enrollment data. This inclusion criteria is documented in the “Data, Assumptions, and Methodology” section below. When we refer to non-utilizers throughout this report, we specifically mean the non-HH utilizers who met the inclusion criteria.

We further segmented the non-utilizers and the utilizers into various cohorts for analysis.

In particular, we consider the following core comparisons which are each discussed below:

- 1.) Comparison of HH Utilizers to Non-Utilizers
- 2.) Segmentation by Risk Score Cohorts
- 3.) Segmentation by type of HH service

### Comparison of HH Utilizers to Non-Utilizers

The first segmentation was to split the HH utilizers between those who are utilizing low and high levels of HH services. Table 1 below is a comparison of Non-HH utilizers who would likely qualify for HH services with HH utilizers split between Low and High as determined by the median number of HH services. The cutoff for the Low and High cohorts was 18 services. In general, we observe that those who utilize HH services have materially lower total cost of care for medical services versus their non-utilizing counterparts. In fact, costs for utilizers range from 32% to 51% lower (\$2,789 to \$4,383 PMPM) than non-utilizers.

Table 1 - TCOC Comparison of Eligible Non-Utilizers and Low/High HH Utilizers

	Non Utilizers	Home Health Utilizers		
		Low Utilizers	High Utilizers	Total
Members included in Analysis	22,310	66,037	61,829	127,866
MMs included in Analysis	231,496	724,015	699,883	1,423,898
Average Risk Score	2.67	1.63	2.14	1.88
Total Cost of Care PMPM	\$8,591	\$4,207	\$5,802	4,990.97
Differential from Non-Utilizers %		-51%	-32%	-42%
Differential from Non-Utilizers \$		(\$4,383)	(\$2,789)	(\$3,600)
TCOC Normalized to Non-Utilizer Risk Score	\$8,591	\$6,909	\$7,265	\$7,108
Normalized Differential from Non-Utilizers %		-20%	-15%	-17%
Normalized Differential from Non-Utilizers \$		(\$1,682)	(\$1,325)	(\$1,483)

While we've attempted to identify an appropriate non-utilizing population for comparisons, we recognize that there are still some morbidity differences in the populations which should be accounted for in the analysis. To account for morbidity differences, we have normalized the total cost of care (TCOC) between the various cohorts using the member risk score from the CMS-HCC v28 risk model. Unless otherwise stated, normalized medical expenditures throughout this report have been normalized to the same morbidity-level as the non-utilizing cohort (i.e. to a 2.67 risk score). We found that after normalization, there still appears to be a material cost differential between the non-utilizers and utilizers. The lower differential ranges from \$1,325 to \$1,682 PMPM (15% and 20%) for the High and Low utilizing cohorts respectively.

Note that further discussion of the normalization methodology can be found in the "Data, Assumptions, and Methodology" section below.

Given the material differences in total cost of care between the analyzed populations it was important to determine what service categories are driving the variance. All experience data was run through the Wakely Grouper model, a proprietary service categorization model, to assign costs into both high-level and detailed service categories. For the purposes of this report, we only show the high-level service categories but detailed breakdowns can be found in Appendix A.

Table 2 below shows the breakdown by high-level service category. We observe that the primary driver of the lower expenditures is predominantly attributed to inpatient services. As might be expected, there are also materially lower skilled nursing facility (SNF) expenditures as these services get shifted towards HH. When comparing the total HH Utilizers, there are lower expenses across all major service categories when compared to the Non-Utilizers. This relationship still holds when combining SNF and HH services assuming that these are substitute services for one another. That said, we recognize that SNF and HH services are not a perfect substitute for one another as there are various reasons why an individual might receive SNF care versus HH care. However, given that individuals won't simultaneously be receiving both HH and SNF services it seemed reasonable to compare these on a combined basis.

For the high utilizer cohort, inpatient costs are more than 50% lower relative to the non-utilizing cohort along with additional, smaller drops in expenditures in outpatient, professional and other service categories. While the combined spend for SNF and HH services is higher for the High Utilizing cohort, it is more than offset by the lower expenditures in other categories of care such that the overall costs are still almost \$2,800 PMPM lower and underscores the potential of HH services to reduce high-cost acute episodes.

Table 2 - TCOC Breakdown

Major Service Category	Non Utilizers	Home Health Utilizers			Total
		Low Utilizers	High Utilizers		
Inpatient	\$4,709	\$1,778	\$2,290		\$2,030
SNF	\$1,198	\$365	\$651		\$506
HH	\$0	\$256	\$811		\$529
ER	\$203	\$91	\$117		\$104
Outpatient	\$936	\$774	\$664		\$720
Professional	\$1,248	\$803	\$1,035		\$917
Other	\$296	\$139	\$234		\$186
Total	\$8,591	\$4,207	\$5,802		\$4,991

In Table 3 we normalized the TCOC expenses for risk score to assess the breakdown of those expenses. As we saw in Table 1, even after normalizing for risk score differentials we continue to see meaningfully lower expenditures in aggregate and in particular for inpatient and ER services which are 39% and 27% lower respectively. Post-normalization, the low utilizers have lower expenses in all categories except for professional services which are only slightly higher and outpatient services which are materially higher. For High Utilizers, inpatient and outpatient are still materially lower than the non-utilizing cohort but professional and other services are relatively similar. As in Table 2, the combination of normalized HH and SNF costs for the High Utilizers is higher relative to the Non-Utilizing population; however this elevated cost for HH and SNF services is likely a material driver in the comparatively lower inpatient spend which result in overall normalized expenditures being about \$1,300 lower than the Non-Utilizers.

Table 3 - TCOC Breakdown Normalized

Major Service Category	Non Utilizers	Home Health Utilizers			Total
		Low Utilizers	High Utilizers		
Inpatient	\$4,709	\$2,920	\$2,868		\$2,891
SNF	\$1,198	\$600	\$815		\$720
HH	\$0	\$421	\$1,015		\$753
ER	\$203	\$150	\$147		\$148
Outpatient	\$936	\$1,270	\$832		\$1,025
Professional	\$1,248	\$1,319	\$1,296		\$1,306
Other	\$296	\$228	\$293		\$264
Total	\$8,591	\$6,909	\$7,265		\$7,108

We further investigated the utilization of the inpatient, SNF, and HH categories in Table 4 below. For inpatient, the Non-Utilizing cohort experienced more than double the average admits per member than HH-utilizers. The 90-day inpatient readmission rate is about 80% higher than utilizers as well. This lower inpatient utilization is coupled with material HH utilization, averaging 122 days in a calendar year for the High-Utilizer cohort. The average length of stay in a SNF

setting is generally comparable across the board though the number of SNF stays is lower for the HH utilizers as evidenced by the overall lower SNF costs.

Table 4 – Inpatient/SNF/HH Utilization Metrics

	Non Utilizers	Home Health Utilizers		
		Low Utilizers	High Utilizers	Total
Avg HH Utilization (Days)		29.6	122.1	75.1
Avg Inpatient Admits	2.7	1.1	1.5	1.3
90-day Readmission Rate	8.7%	4.3%	5.4%	4.8%
Avg Days per Inpatient Stay	6.5	6.1	6.6	6.3
Avg Days per SNF Stay	23.9	23.1	24.8	23.9

The above metrics suggest that HH services may contribute to better care coordination and earlier intervention, reducing avoidable hospitalizations.

Lastly for this group of comparisons, Table 5 below splits out the Low and High utilizing cohorts into quartiles of HH utilization. Generally, we note that as dosage of HH utilization increases, so do the various metrics such as risk score and TCOC. We also observe that on a normalized basis, the TCOC remains in a range of \$6,800 to \$7,300 PMPM which are all well below the average TCOC for the Non-Utilizers and indicates that even modest HH engagement may yield financial benefits.

Table 5

HH Utilizer Dosage Breakout	Risk Score	TCOC	TCOC Normalized	Avg HH Utilization (Days)	Avg Inpatient Admits	90-day Readmission Rate	Avg Days per Inpatient Stay	Avg Days per SNF Stay
Non-Utilizers	2.67	\$8,591	\$8,591		2.7	8.7%	6.5	23.9
Low Dosage (Q1)	1.58	\$4,127	\$6,994	21.0	1.0	4.8%	6.0	22.6
Low Dosage (Q2)	1.68	\$4,296	\$6,820	39.3	1.1	3.9%	6.1	23.5
High Dosage (Q3)	1.92	\$5,200	\$7,247	69.1	1.4	4.8%	6.5	24.6
High Dosage (Q4)	2.34	\$6,379	\$7,280	174.7	1.6	5.8%	6.7	24.9
Low Dosage Total	1.63	\$4,207	\$6,909	29.7	1.1	4.3%	6.1	23.1
High Dosage Total	2.14	\$5,802	\$7,265	123.0	1.5	5.3%	6.6	24.8
Total	1.88	\$4,991	\$7,108	75.6	1.3	4.8%	6.3	23.9

Taken together, these comparisons suggest that expanding access to HH services, particularly for clinically complex individuals, may offer a scalable strategy for reducing Medicare expenditures while maintaining or improving care quality.

A full breakdown of the results in Tables 1 through 5 can be found in Appendix A.1 and A.2.

### Segmentation by Risk Score Cohorts

For our second sets of analyses, we compared populations by risk score cohort as opposed to dosages of care. This segmentation allows for direct comparison of similarly complex populations while avoiding the limitations of risk score normalization.

In order to compare the populations on a more consistent basis without needing to normalize for risk score, we instead grouped the populations by their risk score relative to the average HH-utilizing risk score which was 1.88. More specifically, we grouped members below a risk score of 1.13 (below 60% of 1.88), between 1.13 and 1.69 (between 60% and 90% of 1.88), between 1.69 and 2.07 (between 90% and 110% of 1.88) and above 2.07 (110%+ of 1.88). This was done for both the non-HH utilizers and the HH utilizers alike with the exception of the non-utilizers below 1.13 risk score as we had a lower degree of certainty of these members that they would qualify for HH services. Because we did not consider Non-Utilizers with risk scores below 1.13, we also exclude the HH Utilizers with risk scores below 1.13 from the results in this section but readers can still find this cohort in Appendix A.3.

With comparable risk cohorts grouped according to the above, we evaluated the total cost of care between the non-utilizers and HH utilizers in Table 6 below. We first note that the risk scores are generally comparable for non-utilizers and utilizers within a risk cohort. This comparability reinforces the validity of the cost differential, as it is less likely to be attributed to differences in morbidity. We observe that the TCOC for each of the risk cohorts is significantly higher for non-HH utilizers than for the utilizing individuals. More specifically, the non-utilizers tend to have costs that are 52% to 76% higher than their HH utilizing counterparts. Given the comparable risk profiles of the populations and the material differences between the costs per member per month, this implies that those with access to HH services experience lower costs as a result of access to that care.

Table 6 - Comparison of Non-Utilizers to HH Utilizers Split by Risk Cohort

Risk Cohort	Non-HH Utilizer			HH Utilizers		
	MMs	Risk Score	TCOC	MMs	Risk Score	TCOC
Risk Score between 1.13 and 1.69	77,462	1.38	\$7,273	296,039	1.39	\$4,185
Risk Score between 1.69 and 2.07	35,221	1.87	\$7,299	137,057	1.87	\$4,588
Risk Score 2.07+	123,092	3.72	\$9,603	454,318	3.61	\$6,397

Similar to Table 4, we investigated further the utilization of the inpatient, SNF, and HH categories. Table 7 shows that across all risk cohorts the average number of inpatient admits and 90-day readmission rates was materially lower for HH utilizers than for non-HH utilizers. The average days per inpatient stay were about 3% lower, and likely within a typical fluctuation. Similarly, SNF days per stay are roughly equivalent between the non-utilizers and utilizers. These utilization patterns suggest that HH services may help reduce acute care reliance even among the most clinically complex patients.

Table 7 - IP Metrics for Non-HH Utilizers and HH Utilizers

Risk Cohort	Avg Inpatient Admits		90-Day Readmission Rate		Avg Days per IP Stay		Avg Days per SNF Stay	
	Non-HH Utilizer	HH Utilizer	Non-HH Utilizer	HH Utilizer	Non-HH Utilizer	HH Utilizer	Non-HH Utilizer	HH Utilizer
Risk Score between 1.13 and 1.69	2.6	1.1	8.5%	3.8%	6.5	6.2	24.1	25.1
Risk Score between 1.69 and 2.07	2.6	1.2	7.8%	4.4%	6.2	6.1	24.0	24.9
Risk Score 2.07+	2.8	1.6	9.0%	6.3%	6.7	6.5	23.8	23.7

A full breakdown of the results in Tables 6 and 7 can be found in Appendix A.3.

#### Segmentation by dosage of Home Health Aide services

This final section evaluates how different types of home health services influence total cost of care, specifically as those rendered by primarily skilled nurses versus varying levels of home health aide support. While home health aide services are typically deployed for more clinically complex patients, the results reveal important differences in performance across dosage levels. These differences are especially pronounced when comparing financial outcomes between patients receiving skilled nursing services only and those receiving both skilled nursing and home health aide support.

Table 8 presents a comparison of patient acuity and average TCOC expenditures across four groups: Non-HH, Skilled-Only, Low Home Health Aide Usage, and High Home Health Aide Usage. Similar to Table 1, we observe that expenditures in the home health aide utilizing cohorts are lower than the non-HH utilizers by 22-25%. Furthermore, we observe that TCOC for high-dosage home health aide utilizers, normalized by risk score, is 11% lower than non-HH utilizers. Skilled-Only users, those receiving home health services from skilled nurses without aide support, achieved the lowest overall costs of the groups analyzed. However, these patients were also the least medically complex, with an average risk score of 1.85 which is significantly lower than both Non-HH individuals (2.67) and those with a high dosage of home health aide support (2.27). This distinction is critical, as it suggests that the favorable outcomes observed in the Skilled-Only group may be partially attributable to their lower baseline acuity.

This observation is essential for interpreting the data accurately. Lower acuity patients are inherently less likely to require intensive post-acute support, experience complications, or be readmitted. As such, the cost and utilization advantages seen in the Skilled-Only group may not be replicable in higher-risk populations. In contrast, when we compare populations of similar morbidity levels as done in Table 6, Non-HH patients demonstrated the poorest outcomes across nearly every metric which reinforces the importance of targeted interventions for complex individuals.

Meanwhile, on a normalized basis, low-dosage home health aide utilizers show a 4% increase in TCOC compared to non-HH utilizers whereas high home health aide utilizers experienced 11% lower expenditures than non-HH utilizers. This indicates that dosage matters and that low home health aide usage is not consistent enough to provide cost savings through better outcomes.

Table 8 – Comparison of Home Health Aide Dosage Levels

	Non Utilizers	Home Health Utilizers		
		Skilled Only	Low HH Aide Usage	High HH Aide Usage
Members included in Analysis	22,310	115,925	6,264	5,671
MMs included in Analysis	231,496	1,292,997	67,479	63,361
Average Risk Score	2.67	1.85	2.01	2.27
Total Cost of Care PMPM	\$8,591	\$4,828	\$6,735	6,471.13
Differential from Non-Utilizers %		-44%	-22%	-25%
Differential from Non-Utilizers \$		(\$3,763)	(\$1,856)	(\$2,119)
TCOC Normalized to Non-Utilizer Risk Score	\$8,591	\$6,973	\$8,962	\$7,615
Normalized Differential from Non-Utilizers %		-19%	4%	-11%
Normalized Differential from Non-Utilizers \$		(\$1,618)	\$371	(\$976)

To better understand how home health aide dosage influences outcomes among more complex patients, we turn to Table 9, which breaks down total cost of care by major service category. The data reveals that high home health aide utilizers achieve meaningfully lower inpatient, outpatient, and ER expenditures. Inpatient costs for high home health aide users are 48% lower than those of Non-HH patients, and ER spend is approximately 40% lower as well. These lower expenditures more than offset the increased investment in home-based services, suggesting that higher home health aide dosage may help prevent costly acute episodes and reduce reliance on institutional care.

We also see that the SNF spend among High home health aide users is notably elevated compared to the Skilled-Only group, approaching levels seen in the Non-HH cohort. This may reflect the transitional nature of care for medically complex patients, where aides are deployed alongside skilled services to support discharge planning and recovery. It's possible that the increased SNF costs represent a temporary phase before patients stabilize at home with consistent aide support. While further investigation is warranted, the data suggests that home health aide services may play a critical role in shifting care from institutional to home-based settings.

Table 9 – Comparison of Home Health Aide Dosage – TCOC Breakdown				
	Non Utilizers	Home Health Utilizers		
		Skilled Only	Low HH Aide Usage	High HH Aide Usage
Inpatient	\$4,709	\$1,960	\$2,981	\$2,434
SNF	\$1,198	\$458	\$1,000	\$967
HH	\$0	\$504	\$578	\$982
ER	\$203	\$101	\$142	\$121
Outpatient	\$936	\$718	\$794	\$680
Professional	\$1,248	\$907	\$1,005	\$1,034
Other	\$296	\$180	\$235	\$254
Total	\$8,591	\$4,828	\$6,735	\$6,471

To complement the total cost view in Table 9, Table 10 presents a normalized breakout of service category utilization, offering insight into how the care mix evolves with increasing home health aide dosage on a comparable level of acuity.

For Non-HH patients, inpatient services make up the vast majority of the care profile, accounting for a disproportionate share of total spend. In contrast, high home health aide users allocate a greater percentage of their total cost to home health and SNF services, with a marked reduction in acute care categories. This redistribution suggests that higher aide engagement may help rebalance care delivery—redirecting resources toward proactive, supportive services that reduce the need for reactive interventions. Low home health aide users show a transitional pattern: their service mix begins to shift toward home-based care, so that when normalized for acuity we don't quite see the overall lower costs that we've seen in other breakouts of this analysis.

Table 10 – Comparison of Home Health Aide Dosage – TCOC Breakdown Normalized				
	Non Utilizers	Home Health Utilizers		
		Skilled Only	Low HH Aide Usage	High HH Aide Usage
Inpatient	\$4,709	\$2,831	\$3,967	\$2,864
SNF	\$1,198	\$661	\$1,331	\$1,137
HH	\$0	\$728	\$768	\$1,155
ER	\$203	\$146	\$188	\$142
Outpatient	\$936	\$1,037	\$1,057	\$801
Professional	\$1,248	\$1,310	\$1,338	\$1,216
Other	\$296	\$259	\$313	\$299
Total	\$8,591	\$6,973	\$8,962	\$7,615

Table 11 provides additional context on home health aide dosage. High home health aide users averaged 137 days of HH services annually, compared to 69 days for Low home health aide users. Despite their higher acuity, High home health aide users had fewer inpatient admissions

(1.4 vs. 1.6) than their low-dosage counterparts. These lower levels are even more pronounced when comparing to non-HH utilizers which have an average of 2.7 admissions and a readmission rate of 8.7%. These findings suggest that low levels of home health aide utilization may be insufficient to drive meaningful improvements in outcomes, while higher levels of aide support are associated with better performance across key metrics.

Table 11 – Inpatient/SNF/HH Utilization

	Non Utilizers	Home Health Utilizers		
		Skilled Only	Low HH Aide Usage	High HH Aide Usage
Avg HH Utilization (Days)		67.7	69.0	137.4
Avg Inpatient Admits	2.7	1.2	1.6	1.4
90-day Readmission Rate	8.7%	4.8%	5.4%	5.7%
Avg Days per Inpatient Stay	6.5	6.3	7.1	6.9
Avg Days per SNF Stay	23.9	23.8	25.1	26.6

Several hypotheses may explain the results in this section. First, consistent in-home aide support likely facilitates earlier intervention and symptom management, helping patients avoid costly exacerbations and emergency visits. Second, home health aides may play a role in improving medication adherence and supporting daily routines that stabilize health conditions. Third, coordinated post-acute support, including assistance with discharge planning and recovery, may reduce avoidable extended stays and readmissions.

Taken together, the data supports the conclusion that while a Skilled-Only model may suffice for lower-acuity patients, higher-intensity home health aide support appears to be a valuable strategy for managing more complex individuals. While acuity was slightly lower using risk score as a comparison basis, High home health aide users demonstrated significantly improved outcomes and cost efficiency compared to equally or more complex patients who received no home health care.

A full breakdown of the results in Tables 8 through 11 can be found in Appendix A.4.

## Data, Assumptions and Methodology

---

### Data Overview

To assess the cost-of-care implications for Medicare beneficiaries who are eligible for Home Health services, Wakely conducted an analysis comparing current HH users with individuals who met the criteria for eligibility. This criteria for eligibility is based on a persona developed from HH utilizers. This analysis leveraged 2023 Medicare Fee-for-Service (FFS) claims from the Limited Data Set (LDS), ensuring tracking of HH utilization over 2023. Specific inclusion and exclusion criteria were applied to accurately refine the non-HH population for the study.

The analysis considered all beneficiaries within the LDS dataset, including those with End-Stage Renal Disease (ESRD) and those in hospice. A beneficiary was classified as a Home Health

(HH) user if they had any home health claims recorded in the 2023 Medicare data. HH users were further categorized as either low-dosage or high-dosage utilizers, based on their total volume of services. The threshold for this classification was the median number of home health services received, where a single service was defined as a 15-minute unit reported on a claim submitted to CMS.

### Identification of Non-Utilizing Cohort

To ensure a meaningful and comparable comparative group, we did not compare home health utilizers to the general Medicare population, which is heterogeneous in both clinical complexity and health care utilization. Instead, we intentionally constructed a comparison group using a matched cohort profile persona that reflects the most prevalent characteristics of individuals already receiving HH services. For the non-utilizers, only those who exhibited characteristics which aligned with the persona developed from home health utilizers were included. The characteristics identified from the home health utilizers included elevated risk scores, the presence of various chronic conditions, and additional clinical logic outlined below. Tables 12.1 and 12.2 below shows the prevalence rates of these various characteristics for HH utilizers.

Table 12.1 - Prevalence of Various Conditions of HH Utilizers

HCC	HCC Description	HH Utilizers	HH Prevalence
HCC380	Chronic Ulcer of Skin, Except Pressure, Through to Bone or Muscle	7,684	30.8%
HCC402	Hip Fracture/Dislocation	4,320	41.4%
HCC382	Pressure Ulcer of Skin with Partial Thickness Skin Loss	3,468	32.3%
HCC263	Atherosclerosis of Arteries of the Extremities with Ulceration or Gangrene	8,502	34.7%
HCC381	Pressure Ulcer of Skin with Full Thickness Skin Loss	6,397	33.2%
HCC224	Acute on Chronic Heart Failure	2,995	41.6%
HCC92	Bone/Joint/Muscle/Severe Soft Tissue Infections/Necrosis	7,084	35.6%
HCC282	Aspiration and Specified Bacterial Pneumonias	6,844	37.3%
HCC2	Septicemia, Sepsis, Systemic Inflammatory Response Syndrome/Shock	10,765	43.9%
HCC401	Vertebral Fractures without Spinal Cord Injury	4,205	38.8%
HCC463	Artificial Openings for Feeding or Elimination	25,425	35.5%
HCC399	Major Head Injury without Loss of Consciousness	31,383	32.1%
HCC211	Respirator Dependence/Tracheostomy Status/Complications	3,283	30.8%
HCC248	Intracranial Hemorrhage	2,759	32.5%
HCC213	Cardio-Respiratory Failure and Shock	2,448	46.6%
HCC253	Hemiplegia/Hemiparesis	15,964	38.1%
HCC126	Dementia, Moderate	2,187	32.4%

Table 12.2 - Prevalence of Other Characteristics of HH Utilizers

Other Characteristics	HH Utilizers	Prevalence
5 or more HCCs	57,614	34.3%
2 or more IP stays	41,445	50.6%
IP stay > 10 days	21,051	49.5%
4 or more ER visits	8,686	33.8%
Fall risk	85,525	21.3%

There is no single criteria that can overwhelmingly identify whether a member qualifies for home health care, but we note that a defining element of the persona was the presence of two or more inpatient stays within the study year which was a characteristic that applied to over 50% of HH utilizers. Therefore, this seemed to be one of the most important criteria to require as part of the criteria for inclusion. While this may initially appear to introduce selection bias, its use strengthens the validity of the analysis by anchoring the comparison in a clinically complex population with demonstrable utilization, conditions under which HH services are most often indicated. This ensures that observed differences in outcomes and total cost of care are not merely attributable to underlying health status or access needs, but instead more plausibly reflect the impact of HH utilization. By comparing HH utilizers to non-utilizers who exhibit similar morbidity profiles, including inpatient intensity, we aimed to enhance comparability and minimize bias to ensure that observed differences in cost and outcomes are more plausibly attributable to the presence or absence of HH services.

While inpatient utilization was a key criterion, it was not the only criteria identified. When identifying the non-utilizing yet HH eligible population, we implemented the following criteria:

- Having not utilized any Home Health services,
- A risk score that was at least 60% of the average HH Risk Score,
- Two or more inpatient stays,
- And at least one of the following:
  - One or more of the HCC's in Table 12.1,
  - Five or more HCCs,
  - An inpatient stay greater than 10 days,
  - Four or more ER visits
  - Having a diagnosis consistent with a risk of falls.

As indicated above, we required that members have a risk score that is at least 60% of the average HH utilizer's risk score. This was done in order to exclude individuals who may otherwise meet the criteria but are healthier or experienced an acute episode that wouldn't warrant home health services. We do note that there are a considerable number of HH-utilizers with risk scores below 60% of the average but because we are unable to reliably identify a non-utilizing population below this threshold we did not consider non-utilizers with risk scores below this level in the analysis.

#### Description of Various Cohort Breakouts

As noted in the "Comparison of HH Utilizers to Non-Utilizers" sub-section, there were three primary cohorts: Non-HH, Low-Dosage HH, and High-Dosage HH. Non-HH is based on the

criteria defined above and the HH-utilizing cohort was split by dosage of HH services. In particular, we reviewed the median count utilization per member within the LDS dataset and split those below and above the median into low and high dosage. More specifically, we assigned those with a service count of 18 units or below to be in the Low cohort and those with 19 or more in the High cohort.

The next sub-section, “Segmentation by Risk Score Cohorts,” showed the non-HH utilizers and utilizers split by risk cohort. To split out the various cohorts, we first determined the average risk score of the HH-utilizing population which was found to be 1.88 based on the v28 CMS-HCC MA risk model. With that we grouped the members if their risk score was:

- less than 60% of the average (or below 1.13),
- between 60% and 90% of the average (or between 1.13 and 1.69),
- between 90% and 110% of the average (or between 1.69 and 2.07)
- greater than 110% of the average (or above 2.07)

The third and final sub-section, “Segmentation by dosage of Home Health Aide services” split members out according to dosage of home health aide utilization. This expanded analysis evaluated four distinct beneficiary groups: Non-HH Users, Skilled Services Only (no Home Health Aide), Low Home Health Aide Utilizers, and High Home Health Aide Utilizers. These were defined as follows:

- A Non-HH User (as defined above)
- Skilled Only (No home health aide): Received skilled home health (SN, PT, OT, ST) but no aide visits. Note that 99.9% of this population utilized skilled nursing HH services.
- Low home health aide & Skilled: Received both skilled and unskilled services; home health aide visits below the median, *excluding non-utilizers*
- High home health aide & Skilled: Received both skilled and unskilled services; home health aide visits at or above the median.

Note that the median home health aide services was determined to be 6.

Although not explicitly shown above, members were also grouped into five non-exclusive chronic condition profiles: Cardiovascular Disease, Diabetes, Congestive Heart Failure (CHF), Severe Hematologic Disorders, and Other. These profiles were used to evaluate clinical complexity and stratify results accordingly. Due to the volume information, the results are not discussed above but instead shown in Appendix A.

To ensure consistency and comparability, the analysis applied the same chronic condition subgroup breakouts (as seen in Appendix A), utilization, and cost metric definitions across all population breakouts in the analysis.

Note that all analyzed cohorts have populations that exceed the credibility standards defined by CMS for the Medicare Advantage bid development process which defines full credibility as 24,000 member months.

### Claims Grouping and Utilization Counting Methodology

Total cost of care was determined based on all services rendered for an individual in the calendar year within the LDS dataset. This is assumed to be comprehensive of all medical services but would exclude any benefits received through other forms of insurance such as those offered under the Part D program.

Wakely's Grouper methodology was employed to assign claims to service categories. The Grouper maps medical claims based on standard fields contained in the claims data. At the highest level of categorization (Major Service Category), claims are parsed into Inpatient Facility, Outpatient Facility, Professional, Ancillary/Other. The tool employs a series of algorithms leveraging the Bill Type Code, Revenue Code, and CPT/HCPCS fields to map the claims into the Major Service Categories. Next, the detailed mapping occurs for the 70+ service categories using the same fields in addition to Place of Service, CPT Modifier, MS-DRG, Provider Type, and Specialty fields.

A key component of the data processing includes application of claim hierarchy. This is applicable where a claim may be mapped to more than one service category and is typically aggregated at a case level. Claims are rolled up to a case level for certain Grouper categories; however, line level detail is maintained to allow for tracking the mix of services. The grouper also includes continuous stay logic for Inpatient Facility cases to ensure the entire case is captured where the facility may bill separately for various levels of the inpatient stay.

Please note that the calculation of readmission rate is a 90-day readmission rate that is not based on HEDIS readmission specification. A readmission is counted as an inpatient stay with an admission date within 90 days of a previous discharged date with the same DRG.

No other adjustments were made to the results aside from those already described above.

### **Caveats and Limitations**

---

As with any modeling or analytical effort, several caveats should be noted to provide appropriate context for the findings presented. The following caveats outline important limitations and assumptions underlying this analysis.

1. Diagnosis Reporting Patterns - The analysis relies on claims data from LDS including diagnosis reporting. The rigor and accuracy of diagnosis reporting may vary geographically and may not always be reliably populated.
2. Non-Reimbursable Support - We do not know whether any of the individuals in the study have additional non-Reimbursable support such as might be provided by a spouse or other family member. Nor do we have an indication if there is any bias between the populations as to how much of this type of support is rendered.
3. Risk Score Normalization - Normalization for risk score is an imperfect methodology. The risk score model is intended to be a predictor of health claims expenditures. Because the CMS-HCC model is a prospective risk model it may not accurately capture the risk of

individuals with rapidly increasing morbidity which the analyzed populations may be more prone to. Additionally, the model may not be as accurate at risk score extremes.

4. Extrapolation - We do not guarantee that the findings can be extrapolated to the full, nationwide, traditional Medicare population or to Medicare Advantage populations.
5. Appropriateness Of Eligibility Criteria For Non-Utilizers - While we believe the eligibility criteria used to identify the control group is reasonable and appropriate, it is unclear whether it is representative of the entire population who would be eligible for HH services. Differences between the control group and the nationally eligible, non-utilizing population may lead to potentially materially different results than those modeled in this study.
6. Appropriateness Of Comparisons Between Non-Utilizers And Utilizers – 1.) There may be various reasons why non-utilizers may not have utilized home health services that may introduce bias in the results. Some may not have access to HH services and some may have refused such services for personal reasons. 2.) We note that one of the key criteria is presence of two or more inpatient stays in the calendar year. While more than 50% of the HH utilizers also have more than two inpatient visits, making this a requirement for non-utilizer eligibility in the study may skew the results.
7. This study did not consider regional differences in TCOC expenditures though we would expect that results will vary by region both on a nation scale and between rural and urban populations.
8. The persona is based on a cohort of individuals that we believe should qualify for HH services. Providing HH services to these members is not guaranteed to result in a cost-profile that is similar to the current HH utilizing population.
9. The metrics presented were determined in collaboration with RubyWell.

## Disclosures

---

**Conflict of Interest.** Wakely provides actuarial services to a variety of clients throughout the health industry. Our clients include commercial, Medicare, and Medicaid health plans, the federal government and state governments, medical providers, and other entities that operate in the domestic and international health insurance markets. Wakely has implemented various internal practices to reduce or eliminate conflict of interest risk in serving our various clients. Except as noted here, the responsible actuaries are financially independent and free from conflict concerning all matters related to performing the actuarial services underlying this analysis. In addition, Wakely is organizationally and financially independent from RubyWell Inc.

**Responsible Actuary.** We, Robert Lang and Ann Pogrebitskiy, are the actuaries responsible for this communication. Robert is a Member of the American Academy of Actuaries and a

Fellow of the Society of Actuaries. Ann is a Member of the American Academy of Actuaries. We meet the Qualification Standards of the American Academy of Actuaries to issue this report.

**Scope of Services.** Unless otherwise explicitly indicated, Wakely's work is limited to actuarial estimates and related consulting services. Wakely is not providing accounting or legal advice. RubyWell should retain its own experts in these areas. In addition, RubyWell is responsible for successful administrative operations of all of its programs, including those which are the subject of Wakely's actuarial work. If RubyWell is not able to successfully operate these programs at levels assumed in Wakely's estimates, and which may meet or exceed those of its competitors, actual results may vary adversely, potentially significantly. Further, Wakely strongly recommends that RubyWell carefully monitor emerging experience in order to identify and address issues as quickly and completely as possible.

**Intended Users.** This information has been prepared for the sole use of the management of RubyWell and cannot be distributed to or relied on by any third party without the prior written permission of Wakely. When permissible, distribution to such parties should be made in its entirety and should be evaluated only by qualified users. Distribution to other parties should only be made with Wakely's consent. This information is confidential and proprietary.

**Risks and Uncertainties.** The assumptions and resulting estimates included in this report and produced by the model are inherently uncertain. Users of the results should be qualified to use it and understand the results and the inherent uncertainty. Actual results will likely vary, potentially materially, from our estimates. Wakely does not warrant or guarantee that RubyWell will attain the projected values included in the report. It is the responsibility of the organization receiving this output to review the assumptions carefully and notify Wakely of any potential concerns.

**Data and Reliance.** We have relied on others for data and assumptions used in the assignment. We have reviewed the data for reasonableness, but have not performed any independent audit or otherwise verified the accuracy of the data/information. If the underlying information is incomplete or inaccurate, our estimates may be impacted, potentially significantly.

**Subsequent Events.** There are no known relevant events subsequent to the date of information received that would impact the results of this report.

Unanticipated events subsequent to the date of this report is beyond the scope of our work, including (but not limited to):

- differences in risk or utilization of the enrolling population,
- differences in the assumed contracts,
- differences in costs of the administration amounts, and/or
- differences in how risk scores are determined.

**Contents of Actuarial Report.** This document and the supporting exhibits/files constitute the entirety of actuarial report and supersede any previous communications on the project.

**Deviations from ASOPS.** Wakely completed the analysis using sound actuarial practice. To the best of my knowledge, the report and methods used in the analysis are in compliance with the appropriate Actuarial Standards of Practice (ASOP) with no known deviations.

---

## Appendix A

Appendix A.1 - Comparison of HH Utilizers to Non-Utilizers

Service Category Group	Service Category	Service Subcategory	Non Home Health Utilizers					
			1.Cardiovascular	2. Diabetes	3. Chronic Heart Failure	4. Severe Hematologic Disorders	Other	Total
Member Months			176,990	112,903	127,531	84,118	22,679	231,496
Enrollees			17,063	10,824	12,410	8,158	2,187	22,310
Average Member Risk Score			2.78	2.90	2.90	2.92	2.21	2.67
Average Stay	Inpatient Medical (Stays)		2.75	2.82	2.79	2.79	2.65	2.73
	Skilled Nursing Facility (Stays)		0.81	0.85	0.82	0.82	0.36	0.74
Average Length of Stay	Home health (Days)		6.5	6.8	6.5	6.5	7.1	6.5
	Inpatient Medical (Days)		23.8	24.1	23.0	22.5	25.2	23.9
Readmissions	90-day Readmission Rate		7.4%	8.4%	7.6%	7.4%	15.2%	8.7%
Home Health Utilization	Total Home Health Claims							
	Early Admission (% of Claims)							
	Total Home Health Services							
	Home Health Aids (% of Services)							
	Skilled Nursing (% of Services)							
	Medical Social Work (% of Services)							
	Physical Therapy (% of Services)							
	Occupational Therapy (% of Services)							
	Speech Pathology (% of Services)							
	Other (% of Services)							
Condition Prevalence Rates	1: Chronic alcohol and other drug dependence		11.1%	11.7%	10.3%	8.8%	28.9%	13.5%
	2: Autoimmune disorders		13.1%	12.0%	12.9%	12.4%	11.8%	12.7%
	3: Cancer		30.0%	27.2%	28.7%	30.8%	28.4%	29.9%
	4: Cardiovascular disorders		100.0%	80.8%	89.5%	85.9%	0.0%	76.5%
	5: Chronic heart failure		64.5%	61.4%	100.0%	70.5%	0.0%	55.1%
	6: Dementia		24.4%	24.4%	22.0%	23.6%	19.3%	23.6%
	7: Diabetes mellitus		51.5%	100.0%	54.3%	60.7%	0.0%	48.8%
	8: End-stage liver disease		28.0%	34.0%	31.5%	35.3%	15.0%	26.9%
	9: End-stage renal disease		12.0%	13.3%	11.4%	12.8%	14.0%	12.6%
	10: Severe hematologic disorders		40.8%	45.2%	46.5%	100.0%	0.0%	36.3%
	11: HIV/AIDS		7.7%	7.3%	7.7%	8.9%	7.6%	7.8%
	12: Chronic lung disorders		0.6%	0.8%	0.5%	0.7%	1.2%	0.7%
	13: Chronic and disabling mental health conditions		43.5%	41.3%	48.2%	41.8%	26.9%	40.8%
	14: Neurologic disorders		32.9%	37.1%	31.4%	30.3%	47.6%	35.6%
	15: Stroke		33.5%	34.4%	29.8%	29.4%	38.8%	34.2%
<b>Total</b>			<b>\$8,934.55</b>	<b>\$9,186.91</b>	<b>\$9,073.84</b>	<b>\$8,905.58</b>	<b>\$6,979.99</b>	<b>\$8,596.60</b>
Inpatient Facility	I_Medical_Surgical	I_Medical	\$3,011.57	\$3,107.98	\$3,186.10	\$3,142.31	\$2,187.60	\$2,900.42
	I_Surgical	I_Surgical	\$1,739.79	\$1,724.30	\$1,740.96	\$1,690.61	\$1,047.60	\$1,584.21
	I_Maternity	I_Maternity	0.58	0.97	0.58	0.37	\$12.66	\$2.29
	I_MHSA	I_MHSA_Mental_Health	\$93.82	\$156.32	\$78.67	\$71.02	\$679.11	\$189.82
	I_SNF	I_MHSA_Substance_Abuse	\$19.60	\$17.05	\$17.95	\$9.04	\$127.58	\$32.27
<b>Inpatient - Total</b>			<b>\$1,172.30</b>	<b>\$6,425.76</b>	<b>\$6,337.34</b>	<b>\$6,159.77</b>	<b>\$4,647.52</b>	<b>\$5,915.90</b>
Outpatient Facility	O_Observations	O_Observations	\$18.86	\$19.36	\$18.21	\$18.90	\$17.25	\$18.63
	O_ER	O_ER	\$101.59	\$110.65	\$101.14	\$95.12	\$134.77	\$107.05
	O_Surgery	O_Surgery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	O_Surgery_Hospital	O_Surgery_Hospital	\$113.19	\$117.74	\$107.12	\$121.87	\$88.43	\$111.33
	O_Surgery_Surgical_Center	O_Surgery_Surgical_Center	\$17.24	\$18.45	\$16.11	\$17.34	\$11.18	\$15.88
	O_Radiology	O_Radiology_High_Tech	\$47.53	\$45.80	\$43.73	\$42.43	\$57.63	\$48.50
	O_Radiology	O_Radiology_Diagnostic	\$34.52	\$31.88	\$37.63	\$32.50	\$48.86	\$35.17
	O_Radiology	O_Radiology_Other	\$42.04	\$38.63	\$35.53	\$35.14	\$72.80	\$45.72
	O_Pathology	O_Pathology	\$32.77	\$34.58	\$33.87	\$34.99	\$27.34	\$32.25
	O_Cardiovascular	O_Cardiovascular	\$87.51	\$73.99	\$102.42	\$85.89	\$5.17	\$69.13
	O_Therapy	O_Therapy	\$109.86	\$112.66	\$105.68	\$103.21	\$55.59	\$100.02
	O_Pharmacy	O_Pharmacy	\$252.43	\$238.81	\$218.77	\$252.10	\$354.75	\$277.21
	O_Dialysis	O_Dialysis	\$12.87	\$18.34	\$16.46	\$30.81	\$0.00	\$11.21
	O_MHSA	O_MHSA_Mental_Health	\$4.59	\$6.24	\$3.13	\$4.20	\$20.29	\$7.02
	O_MHSA	O_MHSA_Substance_Abuse	\$0.03	\$0.00	\$0.04	\$0.00	\$0.00	\$0.04
	O_Preventive	O_Preventive	\$2.34	\$2.59	\$2.32	\$2.62	\$2.51	\$2.42
	O_Miscellaneous	O_Miscellaneous	\$166.92	\$154.80	\$168.15	\$163.63	\$139.55	\$161.49
<b>Outpatient - Total</b>			<b>\$1,044.26</b>	<b>\$1,024.51</b>	<b>\$1,012.28</b>	<b>\$1,040.76</b>	<b>\$1,036.12</b>	<b>\$1,043.06</b>
Professional	P_IP_Surgery	P_IP_Surgery_Primary_Surgeon	\$62.81	\$61.39	\$59.51	\$59.43	\$56.46	\$60.41
	P_IP_Surgery	P_IP_Surgery_Assistant_Surgeon	\$0.47	\$0.42	\$0.42	\$0.42	\$0.64	\$0.49
	P_IP_Surgery	P_IP_Surgery_Anesthesia	\$16.31	\$15.90	\$15.68	\$15.01	\$13.49	\$15.43
	P_IP_Maternity	P_IP_Maternity_Vaginal	\$0.00	\$0.02	\$0.00	\$0.03	\$0.13	\$0.03
	P_IP_Maternity	P_IP_Maternity_Caesarean	\$0.01	\$0.05	\$0.00	\$0.00	\$0.23	\$0.06
	P_IP_Maternity	P_IP_Maternity_Non_Delivery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	P_OP_Surgery	P_OP_Surgery_Hospital	\$30.95	\$32.94	\$29.51	\$29.73	\$19.56	\$20.21
	P_OP_Surgery	P_OP_Surgery_Surgical_Center	\$4.35	\$4.49	\$4.24	\$4.64	\$3.42	\$4.20
	P_OP_Surgery	P_OP_Surgery_Office	\$37.04	\$38.81	\$35.37	\$35.43	\$13.18	\$31.98
	P_OP_Surgery	P_OP_Surgery_Anesthesia	\$7.33	\$7.14	\$7.17	\$7.63	\$5.90	\$7.06
	P_IP_Visits	P_IP_Visits	\$349.32	\$374.44	\$373.89	\$382.51	\$245.22	\$329.89
	P_ER_Visits	P_ER_Visits	\$100.69	\$107.80	\$108.03	\$102.32	\$76.61	\$96.15
	P_Urgent_Care	P_Urgent_Care	\$1.71	\$1.53	\$1.60	\$1.63	\$1.70	\$1.66
	P_Office_Visits	P_Office_Visits_PCP	\$47.81	\$48.52	\$48.73	\$51.21	\$35.47	\$46.44
	P_Office_Visits	P_Office_Visits_Specialist	\$137.83	\$137.25	\$136.85	\$144.21	\$110.14	\$133.48
	P_Cardiovascular	P_Cardiovascular	\$33.89	\$30.36	\$38.84	\$34.07	\$5.60	\$27.86
	P_Physical_Medicine	P_Physical_Medicine	\$26.62	\$23.07	\$24.77	\$24.15	\$16.46	\$24.27
	P_Therapeutic_Injections	P_Therapeutic_Injections	\$267.91	\$231.06	\$253.78	\$243.82	\$255.41	\$260.48
	P_Allergy_Testing	P_Allergy_Testing	\$0.10	\$0.10	\$0.09	\$0.08	\$0.17	\$0.10
	P_Allergy_Immunotherapy	P_Allergy_Immunotherapy	\$0.19	\$0.26	\$0.16	\$0.15	\$0.43	\$0.21
	P_Radiology	P_Radiology_IP_Hospital	\$17.88	\$18.31	\$17.78	\$18.11	\$12.24	\$16.88
	P_Radiology	P_Radiology_OP_Hospital	\$34.44	\$33.92	\$32.21	\$31.62	\$31.28	\$33.76
	P_Radiology	P_Radiology_Surgical_Center	\$0.02	\$0.03	\$0.02	\$0.02	\$0.01	\$0.03
	P_Radiology	P_Radiology_Office	\$31.70	\$28.97	\$28.33	\$32.14	\$26.07	\$30.96
	P_Pathology	P_Pathology_IP_Hospital	\$4.26	\$4.26	\$4.08	\$4.37	\$4.26	\$4.31
	P_Pathology	P_Pathology_OP_Hospital	\$37.80	\$38.60	\$36.22	\$40.80	\$38.71	\$37.92
	P_Pathology	P_Pathology_Independent_Lab	\$0.03	\$0.02	\$0.02	\$0.04	\$0.07	\$0.03
	P_Pathology	P_Pathology_Office	\$8.54	\$8.30	\$8.32	\$9.53	\$7.27	\$8.32
	P_MHSA	P_MHSA_Mental_Health	\$13.19	\$16.04	\$11.83	\$11.19	\$20.48	\$14.79
	P_MHSA	P_MHSA_Substance_Abuse	\$0.04	\$0.04	\$0.04	\$0.04	\$0.02	\$0.04
	P_Chiro	P_Chiro	\$1.09	\$1.04	\$1.14	\$1.10	\$0.65	\$1.03
	P_Vision	P_Vision	\$8.88	\$9.84	\$8.65	\$8.88	\$4.90	\$8.31
	P_Hearing	P_Hearing	\$1.55	\$1.21	\$1.42	\$1.32	\$1.04	\$1.54
	P_Speech	P_Speech	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	P_Preventive	P_Preventive	\$8.11	\$8.17	\$8.05	\$8.40	\$5.58	\$7.77
	P_Preventive	P_Miscellaneous	\$121.14	\$129.89	\$118.34	\$117.53	\$55.71	\$109.48
<b>Professional - Total</b>			<b>\$1,414.02</b>	<b>\$1,414.21</b>	<b>\$1,414.93</b>	<b>\$1,421.54</b>	<b>\$1,068.51</b>	<b>\$1,344.57</b>
Other	A_Home_Health_PDN	A_Home_Health_PDN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	A_DME	A_DME	\$98.06	\$105.08	\$108.36	\$93.65	\$70.26	\$95.03
	A_Prosthetics	A_Prosthetics	\$12.61	\$16.55	\$10.49	\$12.40	\$2.97	\$10.55
	A_Ambulance	A_Ambulance	\$187.20	\$200.77	\$192.43	\$177.46	\$154.58	\$181.47
	A_Hearing_Aids_Devices	A_Hearing_Aids_Devices	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	A_Dental	A_Dental	\$0.00	\$0.04	\$0.00	\$0.00	\$0.02	\$0.02
<b>Other - Total</b>			<b>\$297.98</b>	<b>\$322.43</b>	<b>\$311.28</b>	<b>\$283.52</b>	<b>\$227.83</b>	<b>\$287.07</b>

Appendix A.1 - Comparison of HH Utilizers to Non-Utilizers

Service Category Group	Service Category	Service Subcategory	Home Health Utilizers					
			Low Dosage - Below the Median					
			1.Cardiovascular	2. Diabetes	3. Chronic Heart Failure	4. Severe Hematologic Disorders	Other	Total
Member Months			426,497	260,068	237,718	194,931	170,171	724,015
Enrollees			39,097	23,968	22,368	18,055	15,310	66,037
Average Member Risk Score			1.92	1.95	2.23	2.04	1.02	1.63
Average Stay	Inpatient Medical (Stays)		1.30	1.29	1.55	1.42	0.59	1.06
	Skilled Nursing Facility (Stays)		0.32	0.31	0.38	0.34	0.11	0.25
Average Length of Stay	Home health (Days)		30.3	30.9	31.0	31.4	27.2	29.6
	Inpatient Medical (Days)		6.2	6.3	6.4	6.3	5.5	6.1
	Skilled Nursing Facility (Days)		23.3	23.1	22.9	22.3	22.5	23.1
Readmissions	90-day Readmission Rate		4.6%	5.1%	5.4%	5.4%	2.9%	4.3%
Home Health Utilization	Total Home Health Claims		1.4	1.4	1.5	1.5	1.3	1.4
	Early Admission (% of Claims)		64%	63%	62%	62%	70%	65%
	Total Home Health Services		10.4	10.4	10.4	10.4	9.9	10.2
	Home Health Aids (% of Services)		0.9%	0.9%	0.9%	0.9%	0.7%	0.9%
	Skilled Nursing (% of Services)		43.2%	44.0%	45.7%	43.4%	33.0%	40.1%
	Medical Social Work (% of Services)		0.7%	0.7%	0.7%	0.7%	0.6%	0.7%
	Physical Therapy (% of Services)		44.3%	43.9%	41.8%	44.1%	55.7%	47.8%
	Occupational Therapy (% of Services)		7.9%	7.5%	7.9%	7.9%	7.1%	7.6%
	Speech Pathology (% of Services)		1.0%	0.9%	0.9%	0.9%	1.2%	1.1%
	Other (% of Services)		2.1%	2.1%	2.1%	2.1%	1.7%	1.9%
Condition Prevelance Rates	1: Chronic alcohol and other drug dependence		6.4%	6.1%	7.0%	5.7%	5.0%	5.9%
	2: Autoimmune disorders		12.5%	11.7%	13.0%	12.6%	10.0%	11.8%
	3: Cancer		25.3%	23.5%	25.3%	25.8%	18.9%	23.2%
	4: Cardiovascular disorders		100.0%	67.4%	85.5%	73.4%	0.0%	58.9%
	5: Chronic heart failure		47.6%	43.0%	100.0%	52.6%	0.0%	32.8%
	6: Dementia		19.3%	17.1%	18.0%	19.7%	13.3%	17.3%
	7: Diabetes mellitus		41.1%	100.0%	47.0%	52.1%	0.0%	35.9%
	8: End-stage liver disease		22.7%	28.8%	28.4%	32.4%	10.5%	19.8%
	9: End-stage renal disease		6.9%	8.2%	8.4%	8.1%	3.9%	6.1%
	10: Severe hematologic disorders		33.6%	39.0%	43.1%	100.0%	0.0%	26.9%
	11: HIV/AIDS		4.6%	4.2%	5.4%	5.7%	1.9%	3.7%
	12: Chronic lung disorders		0.3%	0.4%	0.3%	0.4%	0.3%	0.3%
	13: Chronic and disabling mental health conditions		29.7%	27.9%	38.0%	29.7%	13.4%	24.4%
	14: Neurologic disorders		22.0%	22.6%	22.6%	23.3%	17.5%	21.0%
	15: Stroke		23.7%	23.0%	23.4%	22.2%	20.0%	22.3%
Total			\$4,981.90	\$5,001.22	\$5,756.42	\$5,318.01	\$2,801.82	\$4,207.33
Inpatient Facility	I_Medical_Surgical	I_Medical	\$1,215.98	\$1,237.53	\$1,598.95	\$1,391.33	\$425.84	\$951.42
	I_Surgical	I_Surgical	\$595.22	\$960.89	\$1,116.87	\$965.74	\$517.20	\$802.55
	I_Maternity	I_Maternity	\$0.18	\$0.32	\$0.00	\$0.00	\$0.15	\$0.15
	I_MHSA	I_MHSA_Mental_Health	\$18.52	\$20.02	\$17.55	\$16.47	\$22.22	\$20.58
Inpatient - Total	I_SNF	I_SNF	\$3.86	\$3.46	\$4.08	\$1.91	\$3.04	\$3.57
			\$470.29	\$469.92	\$567.65	\$481.00	\$161.77	\$365.50
Outpatient Facility	O_Observations	O_Observations	\$17.00	\$18.70	\$18.32	\$17.73	\$7.77	\$14.04
	O_ER	O_ER	\$67.93	\$65.95	\$76.22	\$69.09	\$32.71	\$56.48
	O_Surgery	O_Surgery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	O_Surgery_Hospital	O_Surgery_Hospital	\$182.95	\$196.35	\$155.57	\$174.25	\$325.87	\$224.82
	O_Surgery_Surgical_Center	O_Surgery_Surgical_Center	\$26.87	\$28.31	\$22.19	\$27.22	\$52.33	\$33.41
	O_Radiology	O_Radiology_High_Tech	\$32.63	\$30.65	\$32.05	\$29.25	\$22.52	\$29.27
	O_Radiology	O_Radiology_Diagnostic	\$24.91	\$25.12	\$27.44	\$24.36	\$17.65	\$22.01
	O_Pathology	O_Pathology_Other	\$31.86	\$30.94	\$29.45	\$27.02	\$28.71	\$30.60
	O_Cardiovascular	O_Cardiovascular	\$67.25	\$56.98	\$89.15	\$58.59	\$4.56	\$42.78
	O_Therapy	O_Therapy	\$32.47	\$30.81	\$30.71	\$29.47	\$28.24	\$30.38
	O_Pharmacy	O_Pharmacy	\$158.62	\$158.92	\$164.02	\$170.18	\$108.89	\$149.31
	O_Dialysis	O_Dialysis	\$84.43	\$125.60	\$131.03	\$220.91	\$0.00	\$59.48
	O_MHSA	O_MHSA_Mental_Health	\$1.44	\$2.04	\$1.56	\$1.13	\$1.69	\$1.68
	O_MHSA_Substance_Abuse	O_MHSA_Substance_Abuse	\$0.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	O_Preventive	O_Preventive	\$1.98	\$2.40	\$2.23	\$2.72	\$1.57	\$1.91
	O_Miscellaneous	O_Miscellaneous	\$132.26	\$111.03	\$147.60	\$126.43	\$93.77	\$117.33
Professional	P_IP_Surgery	P_IP_Surgery_Primary_Surgeon	\$50.19	\$48.36	\$49.51	\$45.68	\$41.92	\$46.31
	P_IP_Surgery	P_IP_Surgery_Assistant_Surgeon	\$0.64	\$0.57	\$0.58	\$0.50	\$0.54	\$0.58
	P_IP_Surgery	P_IP_Surgery_Anesthesia	\$12.51	\$11.77	\$12.59	\$11.13	\$8.84	\$10.92
	P_IP_Maternity	P_IP_Maternity_Vaginal	\$0.00	\$0.00	\$0.00	\$0.00	\$0.02	\$0.00
	P_IP_Maternity	P_IP_Maternity_Caesarean	\$0.00	\$0.01	\$0.00	\$0.00	\$0.01	\$0.00
	P_IP_Maternity	P_IP_Maternity_Non_Delivery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	P_OP_Surgery	P_OP_Surgery_Hospital	\$29.22	\$31.10	\$25.44	\$27.48	\$43.02	\$33.18
	P_OP_Surgery	P_OP_Surgery_Surgical_Center	\$6.43	\$6.90	\$5.23	\$6.22	\$11.32	\$7.77
	P_OP_Surgery	P_OP_Surgery_Office	\$43.13	\$43.44	\$40.09	\$45.49	\$22.58	\$35.00
	P_OP_Surgery	P_OP_Surgery_Anesthesia	\$8.41	\$8.91	\$7.61	\$8.18	\$11.82	\$9.33
	P_IP_Visits	P_IP_Visits	\$154.76	\$159.49	\$202.23	\$186.59	\$46.36	\$116.98
	P_ER_Visits	P_ER_Visits	\$45.30	\$44.83	\$57.86	\$49.50	\$15.26	\$34.87
	P_Urgent_Care	P_Urgent_Care	\$2.02	\$1.81	\$1.96	\$1.85	\$1.88	\$1.93
	P_Office_Visits	P_Office_Visits_PCP	\$45.90	\$48.32	\$49.33	\$48.73	\$30.75	\$41.59
	P_Office_Visits	P_Office_Visits_Specialist	\$126.95	\$126.84	\$131.35	\$129.72	\$86.18	\$113.04
	P_Cardiovascular	P_Cardiovascular	\$24.93	\$20.89	\$31.15	\$22.86	\$4.03	\$16.94
	P_Physician_Medicine	P_Physician_Medicine	\$34.18	\$30.71	\$28.70	\$29.48	\$47.10	\$37.06
	P_Therapeutic_Injections	P_Therapeutic_Injections	\$174.50	\$164.66	\$172.87	\$189.72	\$104.42	\$149.77
	P_Allergy_Testing	P_Allergy_Testing	\$0.16	\$0.14	\$0.14	\$0.12	\$0.20	\$0.17
	P_Allergy_Immunotherapy	P_Allergy_Immunotherapy	\$0.29	\$0.36	\$0.21	\$0.21	\$0.39	\$0.33
	P_Radiology	P_Radiology_IP_Hospital	\$9.03	\$8.98	\$10.74	\$9.64	\$3.36	\$7.04
	P_Radiology	P_Radiology_OP_Hospital	\$22.59	\$21.23	\$22.81	\$21.01	\$15.65	\$20.05
	P_Radiology	P_Radiology_Surgical_Center	\$0.04	\$0.04	\$0.04	\$0.05	\$0.04	\$0.04
	P_Radiology	P_Radiology_Office	\$41.80	\$41.03	\$37.60	\$36.28	\$30.82	\$37.40
	P_Pathology	P_Pathology_IP_Hospital	\$2.62	\$2.59	\$2.75	\$2.61	\$1.80	\$2.32
	P_Pathology	P_Pathology_OP_Hospital	\$33.41	\$35.03	\$32.80	\$36.03	\$24.83	\$30.88
	P_Pathology	P_Pathology_Independent_Lab	\$0.05	\$0.06	\$0.03	\$0.05	\$0.06	\$0.05
	P_Pathology	P_Pathology_Office	\$8.87	\$8.95	\$8.75	\$9.47	\$6.29	\$8.07
	P_MHSA	P_MHSA_Mental_Health	\$7.28	\$6.73	\$6.43	\$5.74	\$6.71	\$7.02
	P_Chiro	P_Chiro	\$1.38	\$1.29	\$1.20	\$1.19	\$1.79	\$1.49
	P_Vision	P_Vision	\$9.71	\$10.44	\$9.47	\$9.99	\$6.84	\$8.89
	P_Hearing	P_Hearing	\$1.25	\$0.93	\$1.11	\$1.05	\$0.78	\$1.07
	P_Speech	P_Speech	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	P_Preventive	P_Preventive	\$9.58	\$9.53	\$9.16	\$9.63	\$9.22	\$9.49
	P_Miscellaneous	P_Miscellaneous	\$61.29	\$63.85	\$70.60	\$73.88	\$24.07	\$48.58
Other	Professional - Total		\$968.46	\$959.85	\$1,030.39	\$1,020.13	\$608.91	\$838.23
	A_Home_Health_PDN	A_Home_Health_PDN	\$264.15	\$264.89	\$271.12	\$266.09	\$239.82	\$256.50
	A_DME	A_DME	\$73.72	\$88.91	\$90.31	\$77.76	\$48.93	\$66.94
	A_Prosthetics	A_Prosthetics	\$10.61	\$13.96	\$10.76	\$12.20	\$5.78	\$8.93
	A_Ambulance	A_Ambulance	\$79.86	\$78.76	\$78.73	\$85.67	\$20.00	\$63.78
	A_Hearing_Aids_Devices	A_Hearing_Aids_Devices	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	A_Dental	A_Dental	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other - Total			\$428.34	\$446.52	\$470.92	\$441.73	\$324.53	\$395.16

Appendix A.1 - Comparison of HH Utilizers to Non-Utilizers

Service Category Group	Service Category	Service Subcategory	Home Health Utilizers					
			High Dosage - Above the Median					
			1.Cardiovascular	2. Diabetes	3. Chronic Heart Failure	4. Severe Hematologic Disorders	Other	Total
Member Months			490,361	314,175	308,076	235,091	99,370	699,883
Enrollees			43,342	27,831	27,441	20,878	8,761	61,829
Average Member Risk Score			2.36	2.42	2.63	2.48	1.39	2.34
Average Stay	Inpatient Medical (Stays)		1.70	1.69	1.98	1.93	0.75	1.47
	Skilled Nursing Facility (Stays)		0.51	0.49	0.57	0.55	0.21	0.43
Average Length of Stay	Home health (Days)		122.8	128.2	123.4	121.9	117.9	122.1
	Inpatient Medical (Days)		6.7	6.8	6.7	6.7	6.3	6.6
	Skilled Nursing Facility (Days)		24.8	24.9	24.1	24.0	24.2	24.8
Readmissions	90-day Readmission Rate		5.7%	6.0%	6.3%	6.3%	3.4%	5.4%
Home Health Utilization	Total Home Health Claims		4.8	5.0	4.8	4.8	4.7	4.8
	Early Admission (% of Claims)		20%	19%	20%	20%	21%	20%
	Total Home Health Services		49.3	51.8	49.5	48.7	42.7	47.9
	Home Health Aids (% of Services)		5.4%	5.3%	5.3%	5.1%	6.6%	5.6%
	Skilled Nursing (% of Services)		50.7%	54.2%	50.8%	50.1%	45.6%	50.1%
	Medical Social Work (% of Services)		0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
	Physical Therapy (% of Services)		29.6%	27.4%	29.7%	30.3%	32.8%	30.1%
	Occupational Therapy (% of Services)		8.9%	8.0%	9.0%	9.2%	8.8%	8.8%
	Speech Pathology (% of Services)		1.6%	1.3%	1.4%	1.4%	2.5%	1.7%
	Other (% of Services)		3.3%	3.3%	3.2%	3.3%	3.2%	3.2%
Condition Prevelance Rates	1: Chronic alcohol and other drug dependence		6.7%	6.5%	7.1%	6.4%	6.3%	6.6%
	2: Autoimmune disorders		13.0%	12.3%	13.6%	13.2%	9.4%	12.2%
	3: Cancer		23.8%	22.3%	23.9%	24.6%	17.1%	23.3%
	4: Cardiovascular disorders		100.0%	76.1%	88.0%	81.3%	0.0%	70.1%
	5: Chronic heart failure		55.3%	52.3%	100.0%	62.3%	0.0%	44.0%
	6: Dementia		27.4%	24.6%	25.1%	26.6%	25.1%	26.7%
	7: Diabetes mellitus		48.8%	100.0%	53.3%	58.9%	0.0%	44.9%
	8: End-stage liver disease		26.2%	32.0%	31.9%	35.2%	10.0%	23.4%
	9: End-stage renal disease		7.2%	8.1%	8.2%	8.4%	3.8%	6.6%
	10: Severe hematologic disorders		39.0%	44.1%	47.5%	100.0%	0.0%	33.6%
	11: HIV/AIDS		4.6%	4.5%	5.6%	6.0%	2.0%	4.1%
	12: Chronic lung disorders		0.3%	0.3%	0.2%	0.3%	0.4%	0.3%
	13: Chronic and disabling mental health conditions		33.9%	32.5%	41.7%	35.3%	16.5%	30.0%
	14: Neurologic disorders		27.2%	27.9%	27.1%	27.8%	23.9%	26.9%
	15: Stroke		33.5%	32.3%	31.6%	30.8%	35.0%	33.2%
Total			\$6,561.23	\$6,696.48	\$7,184.27	\$7,128.95	\$3,581.33	\$5,801.63
Inpatient Facility	I_Medical_Surgical	I_Medical	\$1,672.44	\$1,675.47	\$2,014.52	\$1,933.41	\$661.47	\$1,424.73
	I_Surgical	I_Surgical	\$981.96	\$996.21	\$1,057.84	\$1,037.09	\$498.77	\$843.00
	I_Maternity	I_Maternity	\$0.08	\$0.14	\$0.14	\$0.00	\$0.09	\$0.13
	I_MHSA	I_MHSA_Mental_Health	\$18.41	\$21.47	\$17.23	\$17.16	\$19.75	\$19.44
	I_SNF	I_MHSA_Substance_Abuse	\$2.62	\$1.94	\$2.27	\$1.45	\$3.21	\$2.54
Inpatient - Total			\$3,437.34	\$3,442.42	\$3,938.08	\$3,779.27	\$1,490.15	\$2,940.90
Outpatient Facility	O_Observations	O_Observations	\$25.46	\$26.24	\$25.67	\$26.70	\$10.42	\$21.38
	O_ER	O_ER	\$80.02	\$78.44	\$87.94	\$85.17	\$44.95	\$71.88
	O_Surgery	O_Surgery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	O_Surgery_Hospital	O_Surgery_Hospital	\$119.18	\$128.32	\$117.22	\$131.62	\$115.67	\$116.79
	O_Surgery_Surgical_Center	O_Surgery_Surgical_Center	\$18.26	\$20.42	\$16.79	\$19.77	\$17.20	\$17.86
	O_Radiology	O_Radiology_High_Tech	\$30.11	\$27.88	\$29.91	\$28.56	\$24.33	\$28.85
	O_Radiology	O_Radiology_Diagnostic	\$21.79	\$20.71	\$24.39	\$23.36	\$14.33	\$20.06
	O_Radiology	O_Radiology_Other	\$24.60	\$23.15	\$22.94	\$22.43	\$25.44	\$24.76
	O_Pathology	O_Laboratory	\$18.81	\$19.24	\$21.22	\$21.09	\$11.07	\$17.28
	O_Cardiovascular	O_Cardiovascular	\$47.35	\$44.94	\$55.91	\$46.60	\$3.21	\$35.11
	O_Therapy	O_Therapy	\$28.86	\$26.85	\$27.30	\$28.03	\$25.21	\$27.14
	O_Pharmacy	O_Pharmacy	\$151.82	\$141.16	\$145.74	\$150.32	\$145.68	\$149.92
	O_Dialysis	O_Dialysis	\$102.57	\$148.94	\$143.51	\$240.99	\$0.00	\$80.95
	O_MHSA	O_MHSA_Mental_Health	\$2.53	\$2.61	\$2.35	\$1.93	\$5.62	\$3.13
	O_MHSA	O_MHSA_Substance_Abuse	\$0.01	\$0.02	\$0.00	\$0.02	\$0.00	\$0.01
	O_Preventive	O_Preventive	\$1.97	\$2.35	\$2.36	\$2.91	\$1.09	\$1.81
	O_Miscellaneous	O_Miscellaneous	\$122.13	\$105.87	\$125.62	\$119.50	\$119.32	\$119.37
Outpatient - Total			\$795.47	\$817.13	\$852.84	\$948.99	\$563.54	\$736.30
Professional	P_IP_Surgery	P_IP_Surgery_Primary_Surgeon	\$43.67	\$44.53	\$43.10	\$43.45	\$35.27	\$40.86
	P_IP_Surgery	P_IP_Surgery_Assistant_Surgeon	\$0.37	\$0.40	\$0.35	\$0.32	\$0.34	\$0.39
	P_IP_Surgery	P_IP_Surgery_Anesthesia	\$10.91	\$10.73	\$11.17	\$10.97	\$7.50	\$9.86
	P_IP_Maternity	P_IP_Maternity_Vaginal	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	P_IP_Maternity	P_IP_Maternity_Caesarean	\$0.00	\$0.01	\$0.01	\$0.00	\$0.03	\$0.01
	P_IP_Maternity	P_IP_Maternity_Non_Delivery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	P_OP_Surgery	P_OP_Surgery_Hospital	\$27.00	\$28.14	\$25.37	\$27.37	\$20.44	\$25.11
	P_OP_Surgery	P_OP_Surgery_Surgical_Center	\$4.28	\$4.80	\$3.99	\$4.50	\$4.40	\$4.36
	P_OP_Surgery	P_OP_Surgery_Office	\$53.65	\$59.80	\$51.81	\$56.83	\$19.54	\$43.98
	P_OP_Surgery	P_OP_Surgery_Anesthesia	\$6.04	\$6.53	\$6.03	\$6.54	\$5.15	\$5.82
	P_IP_Visits	P_IP_Visits	\$208.18	\$214.35	\$252.14	\$250.79	\$64.76	\$171.76
	P_ER_Visits	P_ER_Visits	\$53.03	\$53.43	\$63.33	\$59.68	\$20.91	\$45.11
	P_Urgent_Care	P_Urgent_Care	\$1.54	\$1.39	\$1.56	\$1.48	\$1.33	\$1.48
	P_Office_Visits	P_Office_Visits_PCP	\$51.97	\$54.60	\$55.22	\$55.28	\$33.37	\$48.36
	P_Office_Visits	P_Office_Visits_Specialist	\$130.51	\$133.71	\$137.07	\$137.87	\$83.81	\$119.37
	P_Cardiovascular	P_Cardiovascular	\$22.28	\$20.42	\$27.39	\$22.43	\$4.01	\$17.33
	P_Physical_Medicine	P_Physical_Medicine	\$27.86	\$23.88	\$24.10	\$22.48	\$25.13	\$26.16
	P_Therapeutic_Injections	P_Therapeutic_Injections	\$334.31	\$351.43	\$291.83	\$340.00	\$151.04	\$282.73
Professional	P_Allergy_Testing	P_Allergy_Testing	\$0.17	\$0.19	\$0.11	\$0.09	\$0.14	\$0.16
	P_Allergy_Immunotherapy	P_Allergy_Immunotherapy	\$0.17	\$0.20	\$0.10	\$0.10	\$0.26	\$0.20
	P_Radiology	P_Radiology_IP_Hospital	\$10.82	\$10.89	\$12.16	\$11.84	\$4.33	\$9.19
	P_Radiology	P_Radiology_OP_Hospital	\$24.79	\$23.55	\$25.08	\$24.18	\$17.60	\$23.04
	P_Radiology	P_Radiology_Surgical_Center	\$0.03	\$0.04	\$0.03	\$0.05	\$0.02	\$0.03
	P_Radiology	P_Radiology_Office	\$33.27	\$31.88	\$29.76	\$29.05	\$26.17	\$31.11
	P_Pathology	P_Pathology_IP_Hospital	\$2.42	\$2.49	\$2.60	\$2.72	\$1.57	\$2.21
	P_Pathology	P_Pathology_OP_Hospital	\$41.74	\$44.94	\$49.31	\$40.79	\$31.00	\$39.86
	P_Pathology	P_Pathology_Independent_Lab	\$0.03	\$0.04	\$0.03	\$0.03	\$0.03	\$0.03
	P_Pathology	P_Pathology_Office	\$8.97	\$9.27	\$8.80	\$9.22	\$5.90	\$8.37
	P_MHSA	P_MHSA_Mental_Health	\$8.25	\$8.34	\$7.64	\$7.00	\$10.13	\$8.49
	P_MHSA	P_MHSA_Substance_Abuse	\$0.06	\$0.06	\$0.06	\$0.06	\$0.05	\$0.06
	P_Chiro	P_Chiro	\$0.75	\$0.78	\$0.69	\$0.70	\$1.12	\$0.81
	P_Vision	P_Vision	\$9.04	\$9.77	\$9.00	\$9.17	\$6.19	\$8.47
	P_Hearing	P_Hearing	\$1.42	\$1.06	\$1.14	\$1.07	\$1.26	\$1.28
	P_Speech	P_Speech	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	P_Preventive	P_Preventive	\$9.50	\$9.54	\$9.34	\$9.68	\$8.06	\$9.24
	P_Miscellaneous	P_Miscellaneous	\$110.31	\$126.17	\$127.11	\$122.07	\$43.53	\$94.65
Professional - Total			\$1,237.34	\$1,286.34	\$1,267.40	\$1,307.81	\$634.36	\$1,079.88
Other	A_Home_Health_PDN	A_Home_Health_PDN	\$832.20	\$870.42	\$837.91	\$818.69	\$735.67	\$810.51
	A_DME	A_DME	\$122.94	\$136.81	\$135.70	\$120.90	\$97.65	\$117.23
	A_Prosthetics	A_Prosthetics	\$17.55	\$22.46	\$15.34	\$17.92	\$8.09	\$14.72
	A_Ambulance	A_Ambulance	\$118.28	\$120.89	\$136.99	\$125.27	\$51.88	\$102.09
	A_Hearing_Aids_Devices	A_Hearing_Aids_Devices	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	A_Dental	A_Dental	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other - Total			\$1,091.07	\$1,150.58	\$1,125.94	\$1,092.89	\$893.29	\$1,044.55

Appendix A.2 - Comparison of HH Utilizers to Non-Utilizers (continued)

Service Category Group	Service Category	Service Subcategory	Home Health Utilizers						
			Low Dosage - Quartile 1						
			1. Cardiovascular	2. Diabetes	3. Chronic Heart Failure	4. Severe Hematologic Disorders	Other	Total	
Member Months			216,247	131,267	118,188	96,046	96,969	380,042	
Enrollees			20,140	12,302	11,387	9,074	8,804	35,124	
Average Member Risk Score			1.88	1.91	2.21	2.01	0.99	1.58	
Average Stay	Inpatient Medical (Stays)		1.29	1.28	1.58	1.44	0.56	1.03	
	Skilled Nursing Facility (Stays)		0.30	0.29	0.37	0.32	0.10	0.23	
Average Length of Stay	Home health (Days)		21.5	21.9	21.9	22.0	19.7	21.0	
	Inpatient Medical (Days)		6.2	6.2	6.4	6.3	5.4	6.0	
	Skilled Nursing Facility (Days)		22.9	22.4	22.1	22.0	21.9	22.6	
Readmissions	90-day Readmission Rate		4.9%	5.6%	5.9%	6.1%	3.4%	4.8%	
	Total Home Health Claims		1.1	1.2	1.2	1.2	1.1	1.1	
	Early Admission (% of Claims)		77%	76%	74%	75%	83%	78%	
Home Health Utilization	Total Home Health Services		0.6	0.6	0.6	0.6	0.6	0.6	
	Home Health Aids (% of Services)		0.6%	0.6%	0.6%	0.6%	0.4%	0.5%	
	Skilled Nursing (% of Services)		46.3%	46.8%	49.6%	46.8%	32.3%	41.6%	
	Medical Social Work (% of Services)		0.6%	0.7%	0.7%	0.6%	0.5%	0.6%	
	Physical Therapy (% of Services)		44.1%	44.0%	40.4%	43.4%	59.8%	49.4%	
	Occupational Therapy (% of Services)		5.6%	5.2%	5.8%	5.6%	4.5%	5.2%	
	Speech Pathology (% of Services)		0.9%	0.7%	0.8%	0.9%	0.9%	0.9%	
	Other (% of Services)		2.0%	2.0%	2.1%	2.0%	1.6%	1.8%	
Condition Prevalence Rates	1: Chronic alcohol and other drug dependence		6.4%	6.2%	7.0%	5.6%	5.0%	5.9%	
	2: Autoimmune disorders		12.3%	11.6%	12.9%	12.8%	10.1%	11.7%	
	3: Cancer		26.2%	24.5%	25.9%	26.8%	19.5%	23.9%	
	4: Cardiovascular disorders		100.0%	66.1%	85.0%	72.3%	0.0%	56.9%	
	5: Chronic heart failure		46.5%	42.1%	100.0%	52.0%	0.0%	31.1%	
	6: Dementia		17.8%	15.3%	16.9%	18.7%	11.3%	15.5%	
	7: Diabetes mellitus		40.2%	100.0%	46.7%	51.7%	0.0%	34.5%	
	8: End-stage liver disease		22.7%	28.9%	29.0%	32.7%	10.0%	19.6%	
	9: End-stage renal disease		6.9%	8.2%	8.4%	8.4%	3.9%	6.1%	
	10: Severe hematologic disorders		32.1%	37.8%	42.2%	100.0%	0.0%	25.3%	
	11: HIV/AIDS		4.7%	4.1%	5.7%	6.0%	1.7%	3.7%	
	12: Chronic lung disorders		0.4%	0.4%	0.4%	0.5%	0.3%	0.4%	
	13: Chronic and disabling mental health conditions		29.1%	27.2%	37.8%	29.1%	13.0%	23.5%	
	14: Neurologic disorders		21.0%	21.4%	21.8%	22.0%	16.4%	19.8%	
	15: Stroke		22.5%	21.6%	22.6%	21.3%	17.6%	20.7%	
Total			\$4,974.58	\$4,956.58	\$5,867.46	\$5,404.56	\$2,717.37	\$4,126.79	
Inpatient Facility	I_Medical_Surgical	I_Medical	\$1,236.89	\$1,255.94	\$1,678.19	\$1,475.99	\$389.62	\$935.97	
		I_Surgical	\$989.53	\$948.07	\$1,150.90	\$983.91	\$483.02	\$784.17	
	I_Maternity	I_Maternity	\$0.35	\$0.57	\$0.00	\$0.00	\$0.26	\$0.26	
	I_MHSA	I_MHSA_Mental_Health	\$21.81	\$21.13	\$20.88	\$18.19	\$22.85	\$23.25	
Inpatient - Total	I_SNF	I_SNF	\$438.00	\$430.88	\$542.12	\$455.72	\$133.16	\$326.47	
			\$2,700.09	\$2,660.05	\$3,396.55	\$2,936.12	\$1,032.15	\$2,073.95	
Outpatient Facility	O_Observations	O_Observations	\$16.84	\$17.54	\$18.56	\$18.62	\$8.07	\$13.59	
	O_ER	O_ER	\$69.09	\$66.66	\$78.37	\$70.79	\$31.64	\$56.35	
	O_Surgery	O_Surgery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		O_Surgery_Hospital	\$206.74	\$222.04	\$170.76	\$192.73	\$372.10	\$258.73	
		O_Surgery_Surgical_Center	\$30.08	\$31.23	\$25.22	\$28.66	\$58.68	\$37.57	
	O_Radiology	O_Radiology_High_Tech	\$33.48	\$30.38	\$33.88	\$29.86	\$22.61	\$29.55	
		O_Radiology_Diagnostic	\$25.17	\$26.07	\$28.78	\$24.04	\$16.17	\$21.84	
		O_Radiology_Other	\$32.92	\$32.02	\$30.63	\$28.13	\$26.34	\$31.36	
	O_Pathology	O_Laboratory	\$19.10	\$19.56	\$22.43	\$22.57	\$12.19	\$16.97	
	O_Cardiovascular	O_Cardiovascular	\$68.91	\$56.17	\$89.79	\$59.78	\$5.23	\$42.93	
	O_Therapy	O_Therapy	\$33.83	\$32.54	\$32.33	\$30.77	\$27.77	\$31.23	
	O_Pharmacy	O_Pharmacy	\$164.59	\$168.18	\$173.11	\$173.48	\$113.33	\$153.50	
	O_Dialysis	O_Dialysis	\$87.00	\$125.54	\$140.36	\$234.59	\$0.00	\$59.30	
	O_MHSA	O_MHSA_Mental_Health	\$1.65	\$2.14	\$2.15	\$1.32	\$1.50	\$1.75	
	O_MHSA_Substance_Abuse	O_MHSA_Substance_Abuse	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Outpatient - Total	O_Preventive	O_Preventive	\$1.97	\$2.36	\$2.26	\$2.67	\$1.65	\$1.93	
	O_Miscellaneous	O_Miscellaneous	\$143.74	\$121.20	\$167.85	\$137.41	\$93.56	\$124.20	
Professional			\$935.12	\$952.64	\$1,016.47	\$1,055.43	\$792.84	\$880.81	
	P_IP_Surgery	P_IP_Surgery_Primary_Surgeon	\$49.74	\$47.77	\$49.80	\$45.59	\$40.70	\$45.36	
		P_IP_Surgery_Assistant_Surgeon	\$0.62	\$0.57	\$0.55	\$0.54	\$0.53	\$0.58	
		P_IP_Surgery_Anesthesia	\$12.59	\$11.76	\$12.74	\$11.19	\$8.53	\$10.77	
	P_IP_Maternity	P_IP_Maternity_Vaginal	\$0.00	\$0.00	\$0.00	\$0.00	\$0.03	\$0.01	
		P_IP_Maternity_Caesarean	\$0.01	\$0.01	\$0.00	\$0.00	\$0.01	\$0.01	
		P_IP_Maternity_Non_Delivery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	P_OP_Surgery	P_OP_Surgery_Hospital	\$31.70	\$33.22	\$27.14	\$29.17	\$47.32	\$36.45	
		P_OP_Surgery_Surgical_Center	\$6.93	\$7.26	\$5.51	\$6.40	\$12.44	\$8.51	
		P_OP_Surgery_Office	\$44.40	\$44.41	\$41.33	\$47.16	\$23.01	\$35.55	
		P_OP_Surgery_Anesthesia	\$9.21	\$9.73	\$8.16	\$8.68	\$13.15	\$10.37	
	P_IP_Visits	P_IP_Visits	\$157.94	\$164.01	\$214.42	\$197.06	\$44.01	\$116.43	
	P_ER_Visits	P_ER_Visits	\$46.91	\$46.56	\$61.78	\$53.08	\$14.65	\$35.23	
	P_Urgent_Care	P_Urgent_Care	\$2.13	\$1.84	\$2.04	\$1.88	\$2.04	\$2.05	
	P_Office_Visits	P_Office_Visits_PCP	\$45.12	\$47.16	\$48.62	\$48.13	\$30.01	\$40.56	
	P_Office_Visits	P_Office_Visits_Specialist	\$127.27	\$126.27	\$130.91	\$129.94	\$86.66	\$112.60	
	P_Cardiovascular	P_Cardiovascular	\$25.56	\$21.10	\$32.22	\$23.09	\$4.07	\$16.91	
	P_Physical_Medicine	P_Physical_Medicine	\$34.16	\$30.83	\$28.32	\$28.96	\$51.24	\$38.51	
	P_Therapeutic_Injections	P_Therapeutic_Injections	\$166.45	\$150.26	\$162.42	\$182.51	\$104.32	\$142.58	
	P_Allergy_Testing	P_Allergy_Testing	\$0.16	\$0.17	\$0.15	\$0.13	\$0.24	\$0.19	
	P_Allergy_Immunotherapy	P_Allergy_Immunotherapy	\$0.27	\$0.45	\$0.25	\$0.24	\$0.48	\$0.42	
	P_Radiology_IP_Hospital	P_Radiology_IP_Hospital	\$9.20	\$9.23	\$11.31	\$10.05	\$3.13	\$6.98	
	P_Radiology_OP_Hospital	P_Radiology_OP_Hospital	\$22.88	\$21.38	\$23.02	\$21.16	\$15.36	\$19.99	
	P_Radiology_Surgical_Center	P_Radiology_Surgical_Center	\$0.04	\$0.04	\$0.04	\$0.05	\$0.04	\$0.04	
	P_Radiology_Office	P_Radiology_Office	\$43.61	\$43.93	\$41.23	\$36.15	\$32.53	\$39.49	
	P_Pathology_IP_Hospital	P_Pathology_IP_Hospital	\$2.79	\$2.71	\$2.96	\$2.77	\$1.91	\$2.43	
	P_Pathology_OP_Hospital	P_Pathology_OP_Hospital	\$33.51	\$35.20	\$33.05	\$35.81	\$25.24	\$30.77	
	P_Pathology_Independent_Lab	P_Pathology_Independent_Lab	\$0.05	\$0.07	\$0.03	\$0.05	\$0.09	\$0.06	
	P_Pathology_Office	P_Pathology_Office	\$8.90	\$8.91	\$8.69	\$9.81	\$6.81	\$8.22	
	P_MHSA	P_MHSA_Mental_Health	\$7.00	\$6.24	\$6.18	\$5.39	\$6.63	\$6.69	
		P_MHSA_Substance_Abuse	\$0.06	\$0.06	\$0.05	\$0.06	\$0.05	\$0.05	
	P_Chiro	P_Chiro	\$1.53	\$1.35	\$1.38	\$1.33	\$2.01	\$1.64	
	P_Vision	P_Vision	\$9.61	\$10.24	\$9.31	\$9.93	\$6.90	\$8.77	
	P_Hearing	P_Hearing	\$1.07	\$0.86	\$0.89	\$0.81	\$0.76	\$0.96	
	P_Speech	P_Speech	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	P_Preventive	P_Preventive	\$9.52	\$9.47	\$8.94	\$9.64	\$9.47	\$9.56	
	P_Miscellaneous	P_Miscellaneous	\$61.23	\$65.34	\$71.64	\$74.95	\$23.98	\$47.51	
Professional - Total			\$972.25	\$958.41	\$1,045.08	\$1,031.73	\$618.35	\$836.24	
Other	A_Home_Health_PDN	A_Home_Health_PDN	\$204.57	\$204.38	\$207.60	\$204.21	\$195.83	\$201.52	
	A_DME	A_DME	\$72.11	\$88.49	\$88.93	\$78.42	\$45.88	\$64.73	
	A_Prosthetics	A_Prosthetics	\$9.93	\$13.19	\$10.27	\$11.56	\$4.77	\$8.09	
	A_Ambulance	A_Ambulance	\$80.52	\$79.44	\$102.55	\$87.10	\$27.56	\$61.44	
	A_Hearing_Aids_Devices	A_Hearing_Aids_Devices	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	A_Dental	A_Dental	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Other - Total			\$367.12	\$385.49	\$409.35	\$381.29	\$274.03	\$335.78	

Appendix A.2 - Comparison of HH Utilizers to Non-Utilizers (continued)

Service Category Group	Service Category	Service Subcategory	Home Health Utilizers						
			Low Dosage- Quartile 2						
			1. Cardiovascular	2. Diabetes	3. Chronic Heart Failure	4. Severe Hematologic Disorders	Other	Total	
Member Months			210,250	128,801	119,530	98,885	73,202	343,973	
Enrollees			18,957	11,666	10,981	8,981	6,506	30,913	
Average Member Risk Score			1.96	1.98	2.26	2.08	1.07	1.68	
Average Stay	Inpatient Medical (Stays)		1.31	1.29	1.53	1.40	0.64	1.09	
	Skilled Nursing Facility (Stays)		0.34	0.33	0.39	0.36	0.14	0.28	
Average Length of Stay	Home health (Days)		39.8	40.4	40.6	40.8	37.4	39.3	
	Inpatient Medical (Days)		6.3	6.4	6.4	6.3	5.6	6.1	
	Skilled Nursing Facility (Days)		23.6	23.8	23.6	22.6	23.1	23.5	
Readmissions	90-day Readmission Rate		4.3%	4.5%	4.9%	4.7%	2.4%	3.9%	
Home Health Utilization	Total Home Health Claims		1.7	1.8	1.8	1.8	1.7	1.7	
	Early Admission (% of Claims)		54%	54%	53%	53%	58%	55%	
	Total Home Health Services		1.3	1.3	1.3	1.3	1.2	1.3	
	Home Health Aids (% of Services)		1.0%	1.1%	1.0%	1.0%	1.0%	1.0%	
	Skilled Nursing (% of Services)		41.6%	42.7%	43.9%	41.8%	33.5%	39.3%	
	Medical Social Work (% of Services)		0.7%	0.8%	0.7%	0.7%	0.6%	0.7%	
	Physical Therapy (% of Services)		44.5%	43.9%	42.4%	44.4%	52.9%	46.9%	
	Occupational Therapy (% of Services)		9.0%	8.6%	8.9%	9.0%	8.8%	9.0%	
	Speech Pathology (% of Services)		1.1%	0.9%	0.9%	0.9%	1.4%	1.1%	
	Other (% of Services)		2.1%	2.1%	2.1%	2.1%	1.8%	2.0%	
Condition Prevalence Rates	1: Chronic alcohol and other drug dependence		6.5%	6.1%	7.0%	5.7%	4.8%	6.0%	
	2: Autoimmune disorders		12.6%	11.8%	13.1%	12.5%	9.9%	11.8%	
	3: Cancer		24.4%	22.4%	24.7%	24.9%	18.2%	22.5%	
	4: Cardiovascular disorders		100.0%	68.6%	85.9%	74.5%	0.0%	61.1%	
	5: Chronic heart failure		48.8%	43.9%	100.0%	53.2%	0.0%	34.7%	
	6: Dementia		20.8%	19.0%	19.1%	20.7%	16.0%	19.3%	
	7: Diabetes mellitus		42.0%	100.0%	47.4%	52.5%	0.0%	37.4%	
	8: End-stage liver disease		22.6%	28.8%	27.9%	32.1%	11.2%	20.1%	
	9: End-stage renal disease		6.5%	8.1%	8.4%	7.8%	3.9%	6.2%	
	10: Severe hematologic disorders		35.0%	40.3%	44.0%	100.0%	0.0%	28.7%	
	11: HIV/AIDS		4.5%	4.3%	5.1%	5.5%	2.1%	3.7%	
	12: Chronic lung disorders		0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	
	13: Chronic and disabling mental health conditions		30.3%	28.6%	38.1%	30.3%	13.9%	25.3%	
	14: Neurologic disorders		23.1%	23.8%	23.4%	24.5%	19.0%	22.3%	
	15: Stroke		24.9%	24.5%	24.1%	23.1%	23.2%	24.0%	
Total			\$4,989.42	\$5,046.71	\$5,646.63	\$5,233.94	\$2,913.70	\$4,296.32	
Inpatient Facility	I_Medical_Surgical	I_Medical	\$1,194.47	\$1,218.78	\$1,210.60	\$1,309.10	\$473.81	\$968.50	
		I_Surgical	\$599.81	\$597.95	\$1,083.22	\$948.10	\$562.47	\$822.86	
	I_Maternity	I_Maternity	50.00	\$0.06	\$0.07	\$0.00	\$0.00	\$0.02	
	I_MHSA	I_MHSA_Mental_Health	\$15.14	\$18.88	\$14.25	\$14.80	\$21.38	\$17.63	
Inpatient - Total	I_SNF	I_SNF	\$503.50	\$509.70	\$592.90	\$505.57	\$199.67	\$408.62	
			\$2,708.11	\$2,724.81	\$3,214.72	\$2,779.07	\$1,260.10	\$2,220.92	
Outpatient Facility	O_Observations	O_Observations	\$17.16	\$19.88	\$18.08	\$16.86	\$7.37	\$14.54	
	O_ER	O_ER	\$66.73	\$65.22	\$74.10	\$67.44	\$34.13	\$56.63	
	O_Surgery	O_Surgery	50.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		O_Surgery_Hospital	\$158.48	\$170.16	\$140.55	\$156.31	\$264.62	\$187.35	
		O_Surgery_Surgical_Center	\$23.58	\$25.34	\$19.19	\$25.83	\$43.91	\$28.81	
	O_Radiology	O_Radiology_High_Tech	\$31.75	\$30.92	\$32.23	\$28.67	\$22.40	\$29.17	
		O_Radiology_Diagnostic	\$24.65	\$25.17	\$26.11	\$24.67	\$19.62	\$22.19	
		O_Radiology_Other	\$30.76	\$29.84	\$28.29	\$25.94	\$27.87	\$29.76	
	O_Pathology	O_Laboratory	\$17.81	\$18.28	\$20.50	\$20.16	\$11.50	\$16.12	
	O_Cardiovascular	O_Cardiovascular	\$65.54	\$57.81	\$88.52	\$57.44	\$3.69	\$42.61	
	O_Therapy	O_Therapy	\$31.07	\$28.04	\$29.12	\$28.21	\$28.87	\$29.45	
	O_Pharmacy	O_Pharmacy	\$152.49	\$149.48	\$155.04	\$166.98	\$104.33	\$144.69	
	O_Dialysis	O_Dialysis	\$81.79	\$126.65	\$121.79	\$207.61	\$0.00	\$59.69	
	O_MHSA	O_MHSA_Mental_Health	\$1.22	\$1.94	\$0.98	\$0.93	\$1.95	\$1.60	
	O_MHSA	O_MHSA_Substance_Abuse	\$0.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.01	
Outpatient - Total	O_Preventive	O_Preventive	\$1.98	\$2.44	\$2.20	\$2.77	\$1.48	\$1.89	
	O_Miscellaneous	O_Miscellaneous	\$120.44	\$100.67	\$127.57	\$115.78	\$94.05	\$109.73	
			\$825.46	\$851.85	\$884.25	\$945.58	\$665.79	\$774.23	
Professional	P_IP_Surgery	P_IP_Surgery_Primary_Surgeon	\$50.65	\$48.97	\$49.21	\$45.76	\$43.53	\$47.35	
		P_IP_Surgery_Assistant_Surgeon	\$0.66	\$0.56	\$0.61	\$0.46	\$0.55	\$0.59	
		P_IP_Surgery_Anesthesia	\$12.43	\$11.79	\$12.45	\$11.07	\$9.25	\$11.08	
	P_IP_Maternity	P_IP_Maternity_Vaginal	50.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		P_IP_Maternity_Cesarean	50.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		P_IP_Maternity_Non_Delivery	50.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	P_OP_Surgery	P_OP_Surgery_Hospital	\$26.67	\$28.93	\$23.76	\$25.84	\$37.32	\$29.57	
		P_OP_Surgery_Surgical_Center	\$55.92	\$56.53	\$4.96	\$6.04	\$9.84	\$6.95	
		P_OP_Surgery_Office	\$41.84	\$42.45	\$38.87	\$43.87	\$22.00	\$34.39	
		P_OP_Surgery_Anesthesia	\$7.59	\$8.07	\$7.07	\$7.70	\$10.06	\$8.19	
	P_IP_Visits	P_IP_Visits	\$151.48	\$154.89	\$190.18	\$176.42	\$49.46	\$117.58	
	P_ER_Visits	P_ER_Visits	\$43.65	\$43.07	\$53.98	\$46.01	\$16.07	\$34.49	
	P_Urgent_Care	P_Urgent_Care	\$1.90	\$1.77	\$1.88	\$1.82	\$1.67	\$1.81	
	P_Office_Visits	P_Office_Visits_PCP	\$46.70	\$49.50	\$50.03	\$49.31	\$31.73	\$42.71	
	P_Office_Visits	P_Office_Visits_Specialist	\$126.62	\$127.42	\$131.79	\$129.50	\$85.54	\$113.51	
	P_Cardiovascular	P_Cardiovascular	\$24.27	\$20.67	\$30.10	\$22.64	\$3.97	\$16.98	
	P_Physical_Medicine	P_Physical_Medicine	\$34.20	\$30.60	\$29.07	\$29.99	\$41.61	\$35.45	
	P_Therapeutic_Injections	P_Therapeutic_Injections	\$182.77	\$179.34	\$183.20	\$196.72	\$104.55	\$157.72	
	P_Allergy_Testing	P_Allergy_Testing	\$0.15	\$0.12	\$0.13	\$0.12	\$0.14	\$0.15	
	P_Allergy_Immunotherapy	P_Allergy_Immunotherapy	\$0.20	\$0.26	\$0.18	\$0.19	\$0.28	\$0.23	
	P_Radiology_IP_Hospital	P_Radiology_IP_Hospital	\$8.86	\$8.72	\$10.17	\$9.23	\$3.66	\$7.10	
	P_Radiology_OP_Hospital	P_Radiology_OP_Hospital	\$22.29	\$21.09	\$22.60	\$20.86	\$18.02	\$20.12	
	P_Radiology_Surgical_Center	P_Radiology_Surgical_Center	\$50.04	\$50.04	\$50.05	\$50.05	\$50.03	\$50.03	
	P_Radiology_Office	P_Radiology_Office	\$39.94	\$38.07	\$34.00	\$36.41	\$28.55	\$35.10	
	P_Pathology	P_Pathology_IP_Hospital	\$2.46	\$2.47	\$2.55	\$2.46	\$1.65	\$2.19	
		P_Pathology_OP_Hospital	\$33.31	\$34.86	\$32.56	\$36.25	\$24.29	\$31.00	
		P_Pathology_Independent_Lab	\$0.04	\$0.04	\$0.04	\$0.05	\$0.03	\$0.04	
	P_Pathology_Office	P_Pathology_Office	\$8.83	\$9.00	\$8.80	\$9.14	\$5.60	\$7.89	
	P_MHSA	P_MHSA_Mental_Health	\$7.57	\$7.23	\$6.67	\$6.08	\$6.82	\$7.39	
		P_MHSA_Substance_Abuse	\$0.06	\$0.06	\$0.05	\$0.06	\$0.05	\$0.06	
	P_Chiropractic	P_Chiropractic	\$1.23	\$1.23	\$1.03	\$1.04	\$1.50	\$1.33	
	P_Vision	P_Vision	\$9.82	\$10.64	\$9.62	\$10.04	\$6.77	\$9.03	
	P_Hearing	P_Hearing	\$1.43	\$1.00	\$1.32	\$1.27	\$0.80	\$1.19	
	P_Speech	P_Speech	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	P_Preventive	P_Preventive	\$9.63	\$9.59	\$9.38	\$9.61	\$8.89	\$9.41	
	P_Miscellaneous	P_Miscellaneous	\$61.35	\$62.34	\$69.57	\$72.84	\$24.18	\$49.77	
Professional - Total			\$964.56	\$961.31	\$1,015.86	\$1,008.86	\$596.39	\$840.42	
Other	A_Home_Health_PDN	A_Home_Health_PDN	\$325.43	\$326.57	\$333.92	\$326.20	\$298.09	\$317.24	
	A_DME	A_DME	\$75.37	\$89.33	\$91.68	\$77.12	\$52.97	\$69.37	
	A_Prosthetics	A_Prosthetics	\$11.32	\$14.75	\$11.24	\$12.83	\$7.12	\$9.86	
	A_Ambulance	A_Ambulance	\$79.17	\$78.08	\$94.95	\$84.28	\$33.24	\$64.27	
	A_Hearing_Aids_Devices	A_Hearing_Aids_Devices	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	A_Dental	A_Dental	\$0.00	\$0.00	\$0.01	\$0.00	\$0.01	\$0.00	
	Other - Total		\$491.30	\$508.73	\$531.80	\$500.43	\$391.43	\$460.75	

Appendix A.2 - Comparison of HH Utilizers to Non-Utilizers (continued)

Service Category Group	Service Category	Service Subcategory	Home Health Utilizers						
			High Dosage - Quartile 3						
			1. Cardiovascular	2. Diabetes	3. Chronic Heart Failure	4. Severe Hematologic Disorders	Other	Total	
Member Months			231,038	142,957	142,683	111,357	54,744	342,798	
Enrollees			20,769	12,915	12,976	10,048	4,896	30,780	
Average Member Risk Score			2.14	2.18	2.39	2.26	1.27	1.92	
Average Stay	Inpatient Medical (Stays)		1.59	1.57	1.83	1.76	0.79	1.37	
	Skilled Nursing Facility (Stays)		0.47	0.45	0.51	0.49	0.22	0.40	
Average Length of Stay	Home health (Days)		68.6	70.2	69.1	69.1	69.0	69.1	
	Inpatient Medical (Days)		6.6	6.7	6.6	6.6	6.1	6.5	
	Skilled Nursing Facility (Days)		24.6	24.7	24.0	23.8	23.6	24.6	
Readmissions	90-day Readmission Rate		5.3%	5.7%	5.9%	6.3%	3.0%	4.8%	
Home Health Utilization	Total Home Health Claims		2.8	2.9	2.9	2.9	2.9	2.9	
	Early Admission (% of Claims)		36%	35%	36%	36%	35%	36%	
	Total Home Health Services		2.3	2.3	2.3	2.3	2.3	2.3	
	Home Health Aids (% of Services)		2.4%	2.3%	2.4%	2.3%	2.7%	2.5%	
	Skilled Nursing (% of Services)		42.7%	44.6%	44.1%	42.9%	37.8%	41.7%	
	Medical Social Work (% of Services)		0.7%	0.8%	0.7%	0.7%	0.8%	0.7%	
	Physical Therapy (% of Services)		38.7%	37.6%	37.8%	38.9%	42.7%	39.6%	
	Occupational Therapy (% of Services)		11.4%	10.7%	11.2%	11.4%	11.5%	11.3%	
	Speech Pathology (% of Services)		1.8%	1.6%	1.5%	1.5%	2.6%	1.9%	
	Other (% of Services)		2.4%	2.4%	2.3%	2.3%	2.0%	2.3%	
Condition Prevalence Rates	1: Chronic alcohol and other drug dependence		6.1%	6.1%	6.4%	5.6%	6.9%	6.2%	
	2: Autoimmune disorders		12.9%	12.1%	13.6%	12.9%	9.7%	12.2%	
	3: Cancer		24.4%	22.9%	24.2%	24.9%	18.3%	22.9%	
	4: Cardiovascular disorders		100.0%	73.3%	87.0%	79.3%	0.0%	67.4%	
	5: Chronic heart failure		53.7%	49.8%	100.0%	59.3%	0.0%	41.6%	
	6: Dementia		25.1%	22.6%	22.5%	24.4%	23.5%	24.6%	
	7: Diabetes mellitus		45.3%	100.0%	49.9%	55.8%	0.0%	41.7%	
	8: End-stage liver disease		24.5%	30.5%	29.9%	33.6%	10.2%	22.0%	
	9: End-stage renal disease		7.2%	8.4%	8.3%	8.5%	4.2%	6.6%	
	10: Severe hematologic disorders		38.2%	43.4%	46.3%	100.0%	0.0%	32.5%	
	11: HIV/AIDS		4.7%	4.6%	5.7%	6.0%	2.3%	4.1%	
	12: Chronic lung disorders		0.3%	0.4%	0.2%	0.4%	0.3%	0.3%	
	13: Chronic and disabling mental health conditions		32.6%	30.7%	40.0%	33.6%	16.6%	28.7%	
	14: Neurologic disorders		25.5%	26.3%	25.2%	26.4%	23.4%	25.4%	
	15: Stroke		30.5%	29.7%	28.7%	27.9%	31.3%	30.3%	
<b>Total</b>			<b>\$5,874.25</b>	<b>\$5,898.51</b>	<b>\$6,441.70</b>	<b>\$6,241.94</b>	<b>\$3,435.97</b>	<b>\$5,199.74</b>	
Inpatient Facility	I_Medical_Surgical	I_Medical	\$1,538.25	\$1,551.62	\$1,862.24	\$1,749.11	\$658.24	\$1,307.25	
		I_Surgical	\$2,018.60	\$999.32	\$1,080.47	\$1,024.79	\$568.20	\$878.03	
	I_Maternity	I_Maternity	\$0.16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.11	
	I_MHSA	I_MHSA_Mental_Health	\$20.81	\$24.33	\$19.59	\$18.39	\$23.48	\$21.36	
Inpatient - Total	I_SNF	I_SNF	\$708.64	\$701.39	\$778.13	\$716.48	\$314.26	\$607.43	
			<b>\$2,289.56</b>	<b>\$2,278.43</b>	<b>\$3,742.79</b>	<b>\$3,510.30</b>	<b>\$1,568.44</b>	<b>\$2,817.15</b>	
Outpatient Facility	O_Observations	O_Observations	\$18.11	\$18.17	\$19.40	\$20.46	\$8.95	\$15.46	
	O_ER	O_ER	\$74.92	\$73.74	\$82.16	\$78.21	\$45.64	\$67.42	
	O_Surgery	O_Surgery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		O_Surgery_Hospital	\$122.87	\$133.03	\$118.22	\$128.81	\$144.59	\$127.02	
		O_Surgery_Surgical_Center	\$19.00	\$20.82	\$16.69	\$20.26	\$20.12	\$18.94	
	O_Radiology	O_Radiology_High_Tech	\$31.21	\$29.12	\$30.80	\$28.95	\$25.83	\$29.86	
		O_Radiology_Diagnostic	\$22.09	\$20.39	\$25.23	\$22.92	\$13.09	\$20.30	
		O_Radiology_Other	\$27.57	\$26.34	\$26.62	\$25.44	\$23.30	\$27.20	
	O_Pathology	O_Laboratory	\$18.64	\$19.33	\$21.02	\$20.92	\$11.47	\$17.06	
	O_Cardiovascular	O_Cardiovascular	\$52.95	\$48.20	\$66.56	\$50.23	\$2.26	\$37.96	
	O_Therapy	O_Therapy	\$31.77	\$30.13	\$29.98	\$29.43	\$30.44	\$30.49	
	O_Pharmacy	O_Pharmacy	\$156.22	\$139.29	\$147.70	\$149.92	\$157.64	\$152.19	
	O_Dialysis	O_Dialysis	\$92.32	\$137.92	\$130.29	\$220.95	\$0.00	\$71.78	
	O_MHSA	O_MHSA_Mental_Health	\$1.92	\$2.31	\$1.78	\$1.57	\$2.85	\$2.26	
		O_MHSA_Substance_Abuse	\$0.02	\$0.04	\$0.00	\$0.05	\$0.01	\$0.02	
Outpatient - Total	O_Preventive	O_Preventive	\$2.04	\$2.42	\$2.40	\$2.96	\$1.23	\$1.87	
	O_Miscellaneous	O_Miscellaneous	\$131.81	\$114.00	\$137.65	\$123.34	\$133.92	\$129.11	
			<b>\$803.47</b>	<b>\$815.26</b>	<b>\$856.51</b>	<b>\$924.39</b>	<b>\$622.33</b>	<b>\$748.95</b>	
Professional	P_IP_Surgery	P_IP_Surgery_Primary_Surgeon	\$48.42	\$46.98	\$46.32	\$46.74	\$42.98	\$46.03	
		P_IP_Surgery_Assistant_Surgeon	\$0.45	\$0.50	\$0.46	\$0.39	\$0.42	\$0.48	
		P_IP_Surgery_Anesthesia	\$11.96	\$11.42	\$11.95	\$11.47	\$9.12	\$10.91	
	P_IP_Maternity	P_IP_Maternity_Vaginal	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		P_IP_Maternity_Caesarean	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		P_IP_Maternity_Non_Delivery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	P_OP_Surgery	P_OP_Surgery_Hospital	\$24.22	\$25.75	\$22.69	\$24.54	\$23.49	\$23.88	
		P_OP_Surgery_Surgical_Center	\$4.62	\$5.21	\$4.15	\$4.88	\$5.15	\$4.82	
		P_OP_Surgery_Office	\$46.77	\$50.97	\$44.95	\$48.42	\$19.24	\$38.31	
		P_OP_Surgery_Anesthesia	\$6.34	\$6.92	\$6.25	\$6.71	\$6.16	\$6.31	
	P_IP_Visits	P_IP_Visits	\$192.62	\$198.00	\$233.69	\$227.57	\$66.03	\$157.87	
	P_ER_Visits	P_ER_Visits	\$51.18	\$51.42	\$60.87	\$56.06	\$21.18	\$43.16	
	P_Urgent_Care	P_Urgent_Care	\$1.69	\$1.49	\$1.70	\$1.56	\$1.34	\$1.59	
	P_Office_Visits	P_Office_Visits_PCP	\$49.69	\$52.30	\$52.57	\$52.99	\$33.18	\$46.30	
	P_Office_Visits	P_Office_Visits_Specialist	\$126.37	\$128.42	\$132.50	\$132.41	\$83.75	\$115.59	
	P_Cardiovascular	P_Cardiovascular	\$23.42	\$21.06	\$28.92	\$22.71	\$4.27	\$17.77	
	P_Physical_Medicine	P_Physical_Medicine	\$32.93	\$29.27	\$28.25	\$25.68	\$30.71	\$31.23	
	P_Therapeutic_Injections	P_Therapeutic_Injections	\$216.96	\$193.97	\$186.81	\$193.97	\$139.28	\$195.51	
	P_Allergy_Testing	P_Allergy_Testing	\$0.13	\$0.13	\$0.09	\$0.08	\$0.12	\$0.12	
	P_Allergy_Immunotherapy	P_Allergy_Immunotherapy	\$0.14	\$0.17	\$0.11	\$0.07	\$0.26	\$0.18	
	P_Radiology_IP_Hospital	P_Radiology_IP_Hospital	\$10.71	\$10.66	\$11.83	\$11.41	\$4.76	\$9.08	
	P_Radiology_OP_Hospital	P_Radiology_OP_Hospital	\$23.59	\$22.56	\$23.68	\$22.72	\$17.06	\$21.93	
	P_Radiology_Surgical_Center	P_Radiology_Surgical_Center	\$0.04	\$0.05	\$0.03	\$0.06	\$0.02	\$0.04	
	P_Radiology_Office	P_Radiology_Office	\$31.74	\$29.52	\$27.48	\$27.69	\$26.55	\$29.68	
Professional - Total	P_Pathology_IP_Hospital	P_Pathology_IP_Hospital	\$2.58	\$2.60	\$2.70	\$2.77	\$1.85	\$2.38	
	P_Pathology_OP_Hospital	P_Pathology_OP_Hospital	\$33.79	\$36.38	\$33.68	\$35.62	\$27.83	\$32.97	
	P_Pathology_Independent_Lab	P_Pathology_Independent_Lab	\$0.03	\$0.05	\$0.03	\$0.03	\$0.03	\$0.03	
	P_Pathology_Office	P_Pathology_Office	\$8.44	\$8.80	\$8.50	\$8.95	\$5.76	\$7.93	
	P_MHSA	P_MHSA_Mental_Health	\$7.76	\$7.77	\$7.15	\$6.83	\$9.47	\$7.94	
		P_MHSA_Substance_Abuse	\$0.05	\$0.05	\$0.05	\$0.06	\$0.05	\$0.05	
	P_Chiro	P_Chiro	\$0.96	\$1.02	\$0.89	\$0.91	\$1.48	\$1.05	
	P_Vision	P_Vision	\$9.35	\$9.98	\$9.33	\$9.52	\$6.40	\$8.70	
	P_Hearing	P_Hearing	\$1.70	\$1.19	\$1.41	\$1.26	\$1.13	\$1.44	
	P_Speech	P_Speech	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Other	P_Preventive	P_Preventive	\$9.29	\$9.32	\$9.06	\$9.52	\$8.04	\$9.06	
	P_Miscellaneous	P_Miscellaneous	\$92.59	\$105.49	\$102.83	\$93.05	\$39.93	\$77.18	
	A_Home_Health_PDN	A_Home_Health_PDN	\$503.57	\$511.56	\$510.26	\$502.30	\$475.01	\$496.25	
Other - Total	A_DME	A_DME	\$92.85	\$104.70	\$105.61	\$95.42	\$75.69	\$88.93	
	A_Prosthetics	A_Prosthetics	\$13.27	\$18.27	\$11.47	\$14.21	\$7.30	\$11.57	
	A_Ambulance	A_Ambulance	\$100.98	\$100.86	\$114.16	\$108.68	\$50.19	\$87.34	
	A_Hearing_Aids_Devices	A_Hearing_Aids_Devices	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	A_Dental	A_Dental	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
			<b>\$710.67</b>	<b>\$735.40</b>	<b>\$741.49</b>	<b>\$720.61</b>	<b>\$608.19</b>	<b>\$684.10</b>	

Appendix A.2 - Comparison of HH Utilizers to Non-Utilizers (continued)

Service Category Group	Service Category	Service Subcategory	Home Health Utilizers						
			High Dosage - Quartile 4						
			1. Cardiovascular	2. Diabetes	3. Chronic Heart Failure	4. Severe Hematologic Disorders	Other	Total	
Member Months			259,323	171,218	165,393	123,734	44,626	357,085	
Enrollees			22,573	14,916	14,465	10,830	3,865	31,049	
Average Member Risk Score			2.56	2.63	2.84	2.68	1.55	2.34	
Average Stay	Inpatient Medical (Stays)		1.81	1.79	2.12	2.08	0.71	1.57	
	Skilled Nursing Facility (Stays)		0.54	0.52	0.62	0.59	0.21	0.47	
Average Length of Stay	Home health (Days)		172.7	178.4	172.2	170.9	179.9	174.7	
	Inpatient Medical (Days)		6.8	6.9	6.8	6.8	6.5	6.7	
	Skilled Nursing Facility (Days)		25.0	25.0	24.2	24.1	25.0	24.9	
Readmissions	90-day Readmission Rate		6.0%	6.2%	6.5%	6.4%	3.9%	5.8%	
Home Health Utilization	Total Home Health Claims		6.6	6.8	6.6	6.6	6.9	6.7	
	Early Admission (% of Claims)		14%	13%	14%	14%	13%	14%	
	Total Home Health Services		6.2	6.5	6.2	6.1	5.6	6.1	
	Home Health Aids (% of Services)		6.4%	6.1%	6.2%	6.1%	8.5%	6.8%	
	Skilled Nursing (% of Services)		53.3%	57.1%	53.0%	52.6%	49.5%	53.1%	
	Medical Social Work (% of Services)		0.4%	0.4%	0.5%	0.4%	0.4%	0.4%	
	Physical Therapy (% of Services)		26.6%	24.3%	27.0%	27.4%	27.9%	26.6%	
	Occupational Therapy (% of Services)		8.1%	7.2%	8.4%	8.4%	7.5%	7.9%	
	Speech Pathology (% of Services)		1.6%	1.3%	1.4%	1.4%	2.4%	1.7%	
	Other (% of Services)		3.6%	3.5%	3.5%	3.6%	3.7%	3.5%	
Condition Prevalence Rates	1: Chronic alcohol and other drug dependence		7.2%	6.9%	7.6%	7.1%	5.5%	6.9%	
	2: Autoimmune disorders		13.1%	12.5%	13.7%	13.5%	9.0%	12.2%	
	3: Cancer		23.3%	21.7%	23.6%	24.4%	15.7%	21.7%	
	4: Cardiovascular disorders		100.0%	78.4%	88.8%	83.1%	0.0%	72.6%	
	5: Chronic heart failure		56.6%	54.3%	100.0%	65.0%	0.0%	46.3%	
	6: Dementia		29.4%	26.2%	27.2%	28.6%	27.1%	28.7%	
	7: Diabetes mellitus		51.8%	100.0%	56.3%	61.7%	0.0%	47.9%	
	8: End-stage liver disease		27.6%	33.2%	33.6%	36.7%	9.8%	24.8%	
	9: End-stage renal disease		7.2%	7.9%	8.2%	8.4%	3.5%	6.5%	
	10: Severe hematologic disorders		39.7%	44.6%	48.6%	100.0%	0.0%	34.7%	
	11: HIV/AIDS		4.6%	4.4%	5.6%	6.1%	1.5%	4.0%	
	12: Chronic lung disorders		0.3%	0.3%	0.2%	0.3%	0.6%	0.3%	
	13: Chronic and disabling mental health conditions		35.0%	34.0%	43.2%	36.9%	16.5%	31.3%	
	14: Neurologic disorders		28.7%	29.3%	28.7%	29.1%	24.6%	28.3%	
	15: Stroke		36.1%	34.5%	34.2%	33.5%	39.5%	36.1%	
Total			\$7,173.28	\$7,362.73	\$7,824.89	\$7,927.24	\$3,759.66	\$6,379.44	
Inpatient Facility	I_Medical_Surgical	I_Medical	\$1,792.00	\$1,778.88	\$1,245.89	\$2,099.27	\$665.44	\$1,537.51	
	I_Medical_Surgical	I_Surgical	\$949.31	\$993.62	\$1,038.32	\$1,048.15	\$413.59	\$809.36	
	I_Maternity	I_Maternity	\$0.00	\$0.26	\$0.27	\$0.00	\$0.21	\$0.15	
	I_MHSA	I_MHSA_Mental_Health	\$16.27	\$19.08	\$15.20	\$16.00	\$15.19	\$17.60	
Inpatient - Total	I_SNF	I_SNF	\$809.24	\$785.41	\$904.70	\$856.46	\$297.77	\$692.96	
			\$3,569.01	\$3,579.34	\$4,106.56	\$4,021.32	\$1,394.12	\$3,059.70	
Outpatient Facility	O_Observations	O_Observations	\$32.01	\$32.97	\$31.07	\$32.32	\$12.23	\$27.07	
	O_ER	O_ER	\$84.57	\$82.37	\$92.92	\$91.43	\$44.11	\$76.15	
	O_Surgery	O_Surgery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	O_Surgery_Hospital	O_Surgery_Hospital	\$115.89	\$124.38	\$116.36	\$134.15	\$80.19	\$106.97	
	O_Surgery_Surgical_Center	O_Surgery_Surgical_Center	\$17.61	\$20.08	\$16.87	\$19.32	\$13.62	\$16.83	
	O_Radiology	O_Radiology_High_Tech	\$29.13	\$26.85	\$29.15	\$28.21	\$22.48	\$27.88	
	O_Radiology	O_Radiology_Diagnostic	\$21.52	\$20.98	\$23.66	\$23.76	\$15.84	\$19.84	
	O_Radiology	O_Radiology_Other	\$21.95	\$20.49	\$19.76	\$19.71	\$28.07	\$22.41	
	O_Pathology	O_Laboratory	\$18.96	\$19.17	\$21.39	\$21.24	\$10.57	\$17.48	
	O_Cardiovascular	O_Cardiovascular	\$42.37	\$42.22	\$54.18	\$43.34	\$31.15	\$32.37	
	O_Therapy	O_Therapy	\$26.27	\$24.11	\$24.98	\$26.76	\$18.79	\$23.92	
	O_Pharmacy	O_Pharmacy	\$147.91	\$142.71	\$144.05	\$150.68	\$13.02	\$147.74	
	O_Dialysis	O_Dialysis	\$117.70	\$158.14	\$154.91	\$259.03	\$0.00	\$89.76	
	O_MHSA	O_MHSA_Mental_Health	\$3.07	\$2.85	\$2.84	\$2.25	\$9.01	\$3.96	
	O_MHSA	O_MHSA_Substance_Abuse	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Outpatient - Total	O_Preventive	O_Preventive	\$1.91	\$2.29	\$2.32	\$2.86	\$0.92	\$1.75	
	O_Miscellaneous	O_Miscellaneous	\$113.50	\$99.08	\$115.24	\$116.05	\$101.42	\$110.02	
			\$788.35	\$818.69	\$849.68	\$971.12	\$491.42	\$724.15	
Professional	P_IP_Surgery	P_IP_Surgery_Primary_Surgeon	\$39.43	\$40.65	\$40.32	\$40.49	\$25.81	\$35.90	
	P_IP_Surgery	P_IP_Surgery_Assistant_Surgeon	\$0.30	\$0.32	\$0.25	\$0.26	\$0.24	\$0.30	
	P_IP_Surgery	P_IP_Surgery_Anesthesia	\$9.97	\$10.15	\$10.48	\$10.51	\$5.51	\$8.85	
	P_IP_Maternity	P_IP_Maternity_Vaginal	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	P_IP_Maternity	P_IP_Maternity_Caesarean	\$0.00	\$0.02	\$0.02	\$0.00	\$0.06	\$0.02	
	P_IP_Maternity	P_IP_Maternity_N_Delivery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	P_OP_Surgery	P_OP_Surgery_Hospital	\$29.47	\$30.14	\$27.68	\$29.92	\$16.70	\$26.28	
	P_OP_Surgery	P_OP_Surgery_Surgical_Center	\$3.99	\$4.46	\$3.84	\$4.15	\$3.48	\$3.92	
	P_OP_Surgery	P_OP_Surgery_Office	\$59.79	\$67.18	\$57.73	\$64.39	\$19.89	\$49.42	
	P_OP_Surgery	P_OP_Surgery_Anesthesia	\$5.78	\$6.20	\$5.84	\$6.40	\$3.90	\$5.35	
	P_IP_Visits	P_IP_Visits	\$222.05	\$227.99	\$268.07	\$271.69	\$63.20	\$185.10	
	P_ER_Visits	P_ER_Visits	\$54.68	\$55.11	\$65.46	\$62.94	\$20.59	\$46.99	
	P_Urgent_Care	P_Urgent_Care	\$1.41	\$1.30	\$1.45	\$1.40	\$1.32	\$1.37	
	P_Office_Visits	P_Office_Visits_PCP	\$54.00	\$56.52	\$57.51	\$57.34	\$33.62	\$50.33	
	P_Office_Visits	P_Office_Visits_Specialist	\$134.20	\$138.13	\$141.02	\$142.78	\$83.88	\$123.00	
	P_Cardiovascular	P_Cardiovascular	\$21.26	\$19.90	\$26.07	\$22.17	\$3.69	\$16.91	
	P_Physical_Medicine	P_Physical_Medicine	\$23.34	\$19.38	\$20.52	\$19.60	\$18.28	\$21.29	
	P_Therapeutic_Injections	P_Therapeutic_Injections	\$438.85	\$482.89	\$382.44	\$471.43	\$165.46	\$366.46	
	P_Allergy_Testing	P_Allergy_Testing	\$0.21	\$0.24	\$0.13	\$0.09	\$0.16	\$0.20	
	P_Allergy_Immunotherapy	P_Allergy_Immunotherapy	\$0.20	\$0.24	\$0.10	\$0.13	\$0.26	\$0.22	
Professional - Total	P_Radiology	P_Radiology_IP_Hospital	\$10.92	\$11.07	\$12.44	\$12.24	\$3.81	\$9.29	
	P_Radiology	P_Radiology_OP_Hospital	\$25.86	\$24.39	\$26.29	\$25.49	\$18.26	\$24.10	
	P_Radiology	P_Radiology_Surgical_Center	\$0.03	\$0.04	\$0.03	\$0.04	\$0.01	\$0.03	
	P_Radiology	P_Radiology_Office	\$34.64	\$33.84	\$31.72	\$30.27	\$25.70	\$32.49	
	P_Pathology	P_Pathology_IP_Hospital	\$2.28	\$2.39	\$2.50	\$2.67	\$1.21	\$2.05	
	P_Pathology	P_Pathology_OP_Hospital	\$48.82	\$52.08	\$44.16	\$45.45	\$34.90	\$46.48	
	P_Pathology	P_Pathology_Independent_Lab	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	
	P_Pathology	P_Pathology_Office	\$9.44	\$9.65	\$9.07	\$9.47	\$6.07	\$8.79	
	P_MHSA	P_MHSA_Mental_Health	\$8.68	\$8.81	\$8.06	\$7.16	\$10.94	\$9.01	
	P_MHSA	P_MHSA_Substance_Abuse	\$0.06	\$0.05	\$0.06	\$0.06	\$0.06	\$0.06	
Other	P_Chiro	P_Chiro	\$0.57	\$0.58	\$0.51	\$0.51	\$0.68	\$0.58	
	P_Vision	P_Vision	\$8.76	\$9.60	\$8.71	\$8.87	\$5.92	\$8.26	
	P_Hearing	P_Hearing	\$1.16	\$0.96	\$0.91	\$0.90	\$1.42	\$1.13	
	P_Speech	P_Speech	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	P_Preventive	P_Preventive	\$9.68	\$9.74	\$9.59	\$9.82	\$8.08	\$9.41	
	P_Miscellaneous	P_Miscellaneous	\$126.11	\$143.44	\$148.05	\$148.20	\$47.94	\$111.42	
	A_Home_Health_PDN	A_Home_Health_PDN	\$1,124.98	\$1,170.05	\$1,120.58	\$1,103.44	\$1,055.42	\$1,112.19	
Other - Total	A_DME	A_DME	\$149.76	\$163.62	\$161.66	\$143.83	\$124.60	\$144.39	
	A_Prosthetics	A_Prosthetics	\$21.36	\$25.97	\$18.68	\$21.27	\$9.07	\$17.75	
	A_Ambulance	A_Ambulance	\$133.88	\$137.60	\$156.69	\$159.39	\$53.95	\$116.25	
	A_Hearing_Aids_Devices	A_Hearing_Aids_Devices	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	A_Dental	A_Dental	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
			\$1,429.98	\$1,497.24	\$1,457.61	\$1,427.93	\$1,243.03	\$1,390.58	

**Appendix A.3 - Segmentation by Risk Score Cohorts**

Service Category Group	Service Category	Service Subcategory	Non Home Health Utilizers							
			Risk Score between 1.13 and 1.69							
			1. Cardiovascular	2. Diabetes	3. Chronic Heart Failure	4. Severe Hematologic Disorders	Other	Total		
Member Months			52,581	30,048	32,813	20,911	11,230	75,873		
Enrollees			4,972	2,837	3,134	2,005	1,083	7,188		
Average Member Risk Score			1.39	1.39	1.39	1.39	1.35	1.38		
Average Stay	Inpatient Medical (Stays)		2.59	2.66	2.66	2.65	2.58	2.59		
	Skilled Nursing Facility (Stays)		0.69	0.69	0.70	0.74	0.26	0.62		
Average Length of Stay	Home health (Days)		6.1	6.7	6.2	6.4	7.6	6.5		
	Inpatient Medical (Days)		23.9	23.9	22.6	21.9	24.7	24.1		
Readmissions	90-day Readmission Rate		6.0%	7.8%	6.6%	6.1%	16.5%	8.5%		
Total Home Health Claims										
	.....Early Admission (% of Claims)									
Total Home Health Services										
Home Health Utilization										
	Home Health Aids (% of Services)									
	Skilled Nursing (% of Services)									
	Medical Social Work (% of Services)									
	Physical Therapy (% of Services)									
	Occupational Therapy (% of Services)									
	Speech Pathology (% of Services)									
	Other (% of Services)									
Condition Prevalence Rates										
	1: Chronic alcohol and other drug dependence		9.1%	9.6%	8.7%	6.4%	32.4%	13.5%		
	2: Autoimmune disorders		11.7%	10.0%	10.4%	10.7%	10.9%	11.2%		
	3: Cancer		23.4%	21.8%	21.1%	23.7%	18.6%	22.8%		
	4: Cardiovascular disorders		100.0%	72.4%	87.4%	80.7%	0.0%	69.3%		
	5: Chronic heart failure		54.6%	48.0%	100.0%	57.8%	0.0%	43.2%		
	6: Dementia		22.2%	20.6%	18.9%	20.6%	20.5%	21.9%		
	7: Diabetes mellitus		41.4%	100.0%	44.0%	51.2%	0.0%	39.6%		
	8: End-stage liver disease		20.0%	26.6%	22.5%	27.0%	13.3%	20.0%		
	9: End-stage renal disease		9.1%	10.7%	8.8%	9.8%	11.1%	9.7%		
	10: Severe hematologic disorders		32.1%	35.6%	36.8%	100.0%	0.0%	27.6%		
	11: HIV/AIDS		3.8%	3.7%	3.6%	4.6%	3.5%	3.9%		
	12: Chronic lung disorders		0.4%	0.6%	0.4%	0.6%	0.8%	0.6%		
	13: Chronic and disabling mental health conditions		31.5%	28.7%	34.9%	28.7%	22.2%	29.5%		
	14: Neurologic disorders		27.0%	30.9%	24.8%	25.5%	52.9%	32.8%		
	15: Stroke		26.9%	27.3%	23.0%	22.8%	32.3%	28.3%		
Total			\$7,726.32	\$7,944.63	\$7,982.19	\$8,033.04	\$6,035.04	\$7,363.37		
Inpatient Facility	I_Medical_Surgical	I_Medical	\$2,536.04	\$2,658.48	\$2,726.89	\$2,821.36	\$1,747.85	\$2,412.60		
	I_Medical_Surgical	I_Surgical	\$1,815.26	\$1,735.04	\$1,903.47	\$1,841.92	\$963.79	\$1,576.88		
	I_Maternity	I_Maternity	\$0.15	\$2.61	\$0.00	\$0.00	\$7.00	\$2.18		
	I_MHSA	I_MHSA_Mental_Health	\$95.53	\$197.16	\$81.00	\$81.31	\$901.70	\$271.69		
	I_SNF	I_MHSA_Substance_Abuse	\$23.66	\$26.79	\$23.27	\$26.20	\$133.47	\$43.51		
Inpatient - Total			\$1,084.89	\$1,111.24	\$1,076.13	\$1,078.84	\$571.05	\$992.99		
Outpatient Facility	O_Observations	O_Observations	\$13.53	\$14.43	\$13.77	\$13.98	\$11.01	\$13.48		
	O_ER	O_ER	\$89.21	\$99.03	\$86.07	\$80.82	\$123.86	\$98.51		
	O_Surgery	O_Surgery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
	O_Surgery	O_Surgery_Hospital	\$107.49	\$116.98	\$105.79	\$116.88	\$66.64	\$101.24		
	O_Surgery	O_Surgery_Surgical_Center	\$15.06	\$14.82	\$13.05	\$13.23	\$13.41	\$14.22		
	O_Radiology	O_Radiology_High_Tech	\$39.84	\$38.79	\$35.87	\$34.67	\$44.15	\$39.78		
	O_Radiology	O_Radiology_Diagnostic	\$24.93	\$24.28	\$25.98	\$25.06	\$39.43	\$26.26		
	O_Radiology	O_Radiology_Other	\$31.63	\$30.73	\$25.88	\$22.19	\$40.46	\$31.98		
	O_Pathology	O_Pathology	\$23.65	\$25.02	\$24.78	\$24.68	\$20.48	\$23.40		
	O_Cardiovascular	O_Cardiovascular	\$93.20	\$68.30	\$118.24	\$86.56	\$4.48	\$67.28		
	O_Therapy	O_Therapy	\$79.30	\$70.33	\$70.03	\$70.12	\$43.58	\$70.05		
	O_Pharmacy	O_Pharmacy	\$137.57	\$152.41	\$113.26	\$134.98	\$169.54	\$146.83		
	O_Dialysis	O_Dialysis	\$15.55	\$21.26	\$22.92	\$44.13	\$0.00	\$12.16		
	O_MHSA	O_MHSA_Mental_Health	\$4.23	\$7.97	\$3.09	\$4.59	\$25.31	\$9.17		
	O_MHSA	O_MHSA_Substance_Abuse	\$0.00	\$0.00	\$0.01	\$0.00	\$0.00	\$0.00		
	O_Preventive	O_Preventive	\$2.14	\$2.53	\$1.94	\$2.56	\$2.57	\$2.29		
	O_Miscellaneous	O_Miscellaneous	\$123.36	\$108.82	\$136.16	\$110.33	\$98.75	\$118.86		
Outpatient - Total			\$806.68	\$795.72	\$796.83	\$784.75	\$703.68	\$775.53		
Professional	P_IP_Surgery	P_IP_Surgery_Primary_Surgeon	\$70.45	\$67.65	\$67.99	\$70.02	\$52.38	\$64.88		
	P_IP_Surgery	P_IP_Surgery_Assistant_Surgeon	\$0.72	\$0.68	\$0.68	\$0.68	\$0.76	\$0.69		
	P_IP_Surgery	P_IP_Surgery_Anesthesia	\$18.02	\$17.41	\$17.60	\$17.17	\$13.58	\$16.57		
	P_IP_Maternity	P_IP_Maternity_Vaginal	\$0.00	\$0.00	\$0.00	\$0.00	\$0.26	\$0.04		
	P_IP_Maternity	P_IP_Maternity_Caesarean	\$0.05	\$0.19	\$0.00	\$0.00	\$0.09	\$0.12		
	P_IP_Maternity	P_IP_Maternity_Non_Delivery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
	P_OP_Surgery	P_OP_Surgery_Hospital	\$24.82	\$26.31	\$24.72	\$25.53	\$17.20	\$23.33		
	P_OP_Surgery	P_OP_Surgery_Surgical_Center	\$4.63	\$4.94	\$4.23	\$5.08	\$3.20	\$4.35		
	P_OP_Surgery	P_OP_Surgery_Office	\$31.43	\$29.74	\$29.14	\$28.20	\$10.76	\$25.75		
	P_IP_Visits	P_IP_Visits	\$298.68	\$326.06	\$324.95	\$340.48	\$240.36	\$284.27		
	P_ER_Visits	P_ER_Visits	\$88.61	\$94.11	\$97.87	\$90.46	\$68.26	\$83.14		
	P_Urgent_Care	P_Urgent_Care	\$1.79	\$1.50	\$1.70	\$1.64	\$1.82	\$1.74		
	P_Office_Visits	P_Office_Visits_PCP	\$44.90	\$49.00	\$46.17	\$50.90	\$30.34	\$42.93		
	P_Office_Visits	P_Office_Visits_Specialist	\$124.12	\$125.91	\$123.20	\$126.52	\$95.06	\$117.28		
	P_Cardiovascular	P_Cardiovascular	\$36.82	\$30.77	\$44.18	\$35.19	\$5.21	\$27.84		
	P_Physician_Medicine	P_Physician_Medicine	\$25.68	\$19.36	\$21.65	\$20.43	\$19.09	\$23.58		
	P_Therapeutic_Injections	P_Therapeutic_Injections	\$124.99	\$129.76	\$104.97	\$136.17	\$82.73	\$120.03		
	P_Allergy_Testing	P_Allergy_Testing	\$0.11	\$0.09	\$0.07	\$0.09	\$0.25	\$0.13		
	P_Allergy_Immunotherapy	P_Allergy_Immunotherapy	\$0.26	\$0.41	\$0.17	\$0.28	\$0.34	\$0.28		
	P_Radiology_IP	P_Radiology_IP	\$16.89	\$17.24	\$17.01	\$18.00	\$10.92	\$15.56		
	P_Radiology_OP	P_Radiology_OP	\$29.44	\$28.11	\$27.12	\$26.72	\$22.78	\$27.81		
	P_Radiology_Surgical_Center	P_Radiology_Surgical_Center	\$0.03	\$0.03	\$0.02	\$0.03	\$0.02	\$0.03		
	P_Radiology_Office	P_Radiology_Office	\$30.03	\$25.17	\$23.03	\$32.19	\$20.19	\$27.22		
	P_Pathology_IP	P_Pathology_IP	\$4.03	\$4.12	\$3.97	\$4.46	\$3.73	\$4.07		
	P_Pathology_OP	P_Pathology_OP	\$30.51	\$30.50	\$27.75	\$32.60	\$30.14	\$30.26		
	P_Pathology_Independent_Lab	P_Pathology_Independent_Lab	\$0.02	\$0.03	\$0.02	\$0.02	\$0.13	\$0.05		
	P_Pathology_Office	P_Pathology_Office	\$7.13	\$6.88	\$6.50	\$7.34	\$5.35	\$6.88		
	P_MHSA	P_MHSA_Mental_Health	\$10.48	\$12.81	\$9.31	\$8.00	\$23.75	\$13.61		
	P_MHSA	P_MHSA_Substance_Abuse	\$0.04	\$0.05	\$0.04	\$0.04	\$0.02	\$0.04		
	P_Chiro	P_Chiro	\$1.11	\$1.10	\$1.08	\$1.00	\$0.73	\$1.06		
	P_Vision	P_Vision	\$8.52	\$9.54	\$7.69	\$8.31	\$4.42	\$7.73		
	P_Hearing	P_Hearing	\$1.59	\$1.03	\$1.30	\$1.36	\$1.19	\$1.63		
	P_Speech	P_Speech	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
	P_Preventive	P_Preventive	\$7.94	\$7.53	\$7.83	\$8.09	\$5.74	\$7.50		
	P_Miscellaneous	P_Miscellaneous	\$90.45	\$90.72	\$88.21	\$91.30	\$48.41	\$80.04		
Professional - Total			\$1,141.96	\$1,166.05	\$1,137.03	\$1,196.10	\$825.23	\$1,068.07		
Other	A_Home_Health_PDN	A_Home_Health_PDN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
	A_DME	A_DME	\$59.55	\$70.17	\$69.14	\$60.37	\$29.25	\$55.06		
	A_Prosthetics	A_Prosthetics	\$9.72	\$12.01	\$6.98	\$7.08	\$2.57	\$7.51		
	A_Ambulance	A_Ambulance	\$158.87	\$169.36	\$161.41	\$155.11	\$149.45	\$157.35		
	A_Hearing_Aids_Devices	A_Hearing_Aids_Devices	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
	A_Dental	A_Dental	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Other - Total			\$228.14	\$251.53	\$237.53	\$222.56	\$181.27	\$219.92		

**Appendix A.3 - Segmentation by Risk Score Cohorts**

Service Category Group	Service Category	Service Subcategory	Non Home Health Utilizers							
			Risk Score between 1.69 and 2.07							
			1. Cardiovascular	2. Diabetes	3. Chronic Heart Failure	4. Severe Hematologic Disorders	Other	Total		
Member Months			25,987	16,238	18,410	12,039	3,360	34,623		
Enrollees			2,419	1,485	1,722	1,126	309	3,224		
Average Member Risk Score			1.87	1.87	1.87	1.88	1.86	1.87		
Average Stay	Inpatient Medical (Stays)		2.63	2.73	2.68	2.64	2.60	2.62		
	Skilled Nursing Facility (Stays)		0.78	0.81	0.75	0.72	0.22	0.71		
Average Length of Stay	Home health (Days)		6.1	6.4	6.2	5.9	7.2	6.2		
	Inpatient Medical (Days)		23.7	24.2	22.7	22.6	27.0	24.0		
Readmissions	90-day Readmission Rate		6.1%	7.8%	6.4%	5.7%	16.0%	7.8%		
Total Home Health Claims										
	.....Early Admission (% of Claims)									
Total Home Health Services										
Home Health Utilization										
	Home Health Aids (% of Services)									
	Skilled Nursing (% of Services)									
	Medical Social Work (% of Services)									
	Physical Therapy (% of Services)									
	Occupational Therapy (% of Services)									
	Speech Pathology (% of Services)									
	Other (% of Services)									
Condition Prevalence Rates	1: Chronic alcohol and other drug dependence		7.6%	9.3%	6.5%	6.1%	30.7%	11.1%		
	2: Autoimmune disorders		12.7%	12.5%	12.7%	11.6%	14.3%	13.0%		
	3: Cancer		24.6%	22.1%	23.6%	24.7%	21.3%	24.2%		
	4: Cardiovascular disorders		100.0%	77.1%	88.8%	84.6%	0.0%	75.1%		
	5: Chronic heart failure		62.9%	55.1%	100.0%	66.3%	0.0%	53.2%		
	6: Dementia		26.3%	25.9%	21.3%	24.0%	20.6%	25.4%		
	7: Diabetes mellitus		48.2%	100.0%	48.6%	57.1%	0.0%	46.9%		
	8: End-stage liver disease		22.7%	28.3%	24.8%	27.9%	13.5%	22.7%		
	9: End-stage renal disease		9.2%	10.8%	7.2%	10.8%	16.3%	10.5%		
	10: Severe hematologic disorders		39.2%	42.4%	43.4%	100.0%	0.0%	34.8%		
	11: HIV/AIDS		5.1%	4.3%	5.1%	5.8%	3.6%	4.7%		
	12: Chronic lung disorders		0.3%	0.7%	0.2%	0.2%	1.1%	0.6%		
	13: Chronic and disabling mental health conditions		37.1%	33.0%	40.2%	32.9%	31.7%	36.3%		
	14: Neurologic disorders		30.5%	36.2%	26.4%	26.4%	54.8%	34.7%		
	15: Stroke		29.1%	29.6%	23.9%	23.2%	38.4%	30.2%		
<b>Total</b>			<b>\$7,644.91</b>	<b>\$7,853.23</b>	<b>\$7,799.32</b>	<b>\$7,498.90</b>	<b>\$6,042.21</b>	<b>\$7,371.77</b>		
Inpatient Facility	I_Medical_Surgical	I_Medical	\$2,530.39	\$2,567.56	\$2,722.03	\$2,542.95	\$1,685.90	\$2,433.02		
	I_Medical_Surgical	I_Surgical	\$1,562.03	\$1,515.67	\$1,601.75	\$1,543.31	\$1,044.05	\$1,419.31		
	I_Maternity	I_Maternity	\$0.00	\$0.00	\$0.00	\$2.58	\$0.00	\$0.90		
	I_MHSA	I_MHSA_Mental_Health	\$99.94	\$180.66	\$52.63	\$80.58	\$789.91	\$205.73		
	I_SNF	I_MHSA_Substance_Abuse	\$17.82	\$9.73	\$14.91	\$2.97	\$140.42	\$28.94		
<b>Inpatient - Total</b>			<b>\$1,198.98</b>	<b>\$1,322.73</b>	<b>\$1,150.02</b>	<b>\$1,058.75</b>	<b>\$544.90</b>	<b>\$1,108.34</b>		
Outpatient Facility	O_Observations	O_Observations	\$16.59	\$18.84	\$13.27	\$17.85	\$8.94	\$15.72		
	O_ER	O_ER	\$86.55	\$92.94	\$82.53	\$85.74	\$125.31	\$91.68		
	O_Surgery	O_Surgery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
	O_Surgery	O_Surgery_Hospital	\$98.16	\$100.74	\$99.02	\$107.84	\$94.84	\$101.75		
	O_Surgery	O_Surgery_Surgical_Center	\$20.58	\$25.73	\$22.69	\$15.64	\$9.27	\$18.94		
	O_Radiology	O_Radiology_High_Tech	\$41.11	\$40.44	\$38.35	\$39.34	\$38.26	\$41.28		
	O_Radiology	O_Radiology_Diagnostic	\$25.99	\$27.07	\$29.76	\$31.52	\$16.97	\$24.91		
	O_Radiology	O_Radiology_Other	\$28.21	\$28.79	\$29.42	\$21.62	\$37.30	\$30.52		
	O_Pathology	O_Pathology	\$26.06	\$27.10	\$27.59	\$30.61	\$20.69	\$26.16		
	O_Cardiovascular	O_Cardiovascular	\$100.19	\$78.31	\$121.46	\$101.22	\$2.95	\$76.99		
	O_Therapy	O_Therapy	\$97.35	\$91.07	\$90.46	\$80.50	\$62.01	\$89.28		
	O_Pharmacy	O_Pharmacy	\$109.62	\$126.69	\$100.55	\$137.65	\$185.38	\$131.54		
	O_Dialysis	O_Dialysis	\$14.18	\$19.64	\$21.10	\$34.67	\$0.00	\$12.09		
	O_MHSA	O_MHSA_Mental_Health	\$6.31	\$7.78	\$2.72	\$1.64	\$14.69	\$7.56		
	O_MHSA	O_MHSA_Substance_Abuse	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
	O_Preventive	O_Preventive	\$2.25	\$2.49	\$2.44	\$2.62	\$2.40	\$2.27		
	O_Miscellaneous	O_Miscellaneous	\$147.35	\$126.48	\$141.65	\$136.33	\$108.88	\$142.63		
<b>Outpatient - Total</b>			<b>\$820.49</b>	<b>\$814.11</b>	<b>\$822.99</b>	<b>\$844.80</b>	<b>\$727.89</b>	<b>\$813.31</b>		
Professional	P_IP_Surgery	P_IP_Surgery_Primary_Surgeon	\$60.36	\$56.60	\$59.58	\$55.92	\$58.64	\$59.17		
	P_IP_Surgery	P_IP_Surgery_Assistant_Surgeon	\$0.46	\$0.34	\$0.53	\$0.39	\$0.47	\$0.45		
	P_IP_Surgery	P_IP_Surgery_Anesthesia	\$16.22	\$14.91	\$16.10	\$14.69	\$12.04	\$15.09		
	P_IP_Maternity	P_IP_Maternity_Vaginal	\$0.00	\$0.00	\$0.00	\$0.19	\$0.00	\$0.07		
	P_IP_Maternity	P_IP_Maternity_Caesarean	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
	P_OP_Surgery	P_OP_Surgery_Hospital	\$26.50	\$27.67	\$24.81	\$25.14	\$14.74	\$25.05		
	P_OP_Surgery	P_OP_Surgery_Surgical_Center	\$4.76	\$5.24	\$4.97	\$5.08	\$3.55	\$4.67		
	P_OP_Surgery	P_OP_Surgery_Office	\$35.92	\$36.86	\$31.39	\$29.36	\$18.06	\$31.53		
	P_IP_Visits	P_IP_Visits	\$296.78	\$309.79	\$316.24	\$314.26	\$215.64	\$283.08		
	P_ER_Visits	P_ER_Visits	\$82.60	\$86.67	\$88.05	\$87.74	\$70.97	\$80.80		
	P_Urgent_Care	P_Urgent_Care	\$1.99	\$1.54	\$1.90	\$1.77	\$2.22	\$1.85		
	P_Office_Visits	P_Office_Visits_PCP	\$48.84	\$47.16	\$50.54	\$51.15	\$34.32	\$46.65		
	P_Office_Visits	P_Office_Visits_Specialist	\$128.98	\$124.58	\$130.06	\$133.45	\$104.48	\$124.70		
	P_Cardiovascular	P_Cardiovascular	\$35.79	\$29.67	\$41.59	\$35.58	\$4.83	\$28.59		
	P_Physical_Medicine	P_Physical_Medicine	\$30.36	\$26.38	\$24.45	\$24.90	\$17.49	\$27.53		
	P_Therapeutic_Injections	P_Therapeutic_Injections	\$152.69	\$155.14	\$148.50	\$171.42	\$132.26	\$150.07		
	P_Allergy_Testing	P_Allergy_Testing	\$0.10	\$0.12	\$0.04	\$0.01	\$0.23	\$0.11		
	P_Allergy_Immunotherapy	P_Allergy_Immunotherapy	\$0.22	\$0.42	\$0.07	\$0.12	\$1.12	\$0.32		
	P_Radiology_IP	P_Radiology_IP	\$16.11	\$16.82	\$15.93	\$16.11	\$9.53	\$15.11		
	P_Radiology_OP	P_Radiology_OP	\$30.81	\$29.89	\$28.47	\$27.27	\$25.75	\$30.06		
	P_Radiology_Surgical_Center	P_Radiology_Surgical_Center	\$0.01	\$0.05	\$0.02	\$0.02	\$0.00	\$0.03		
	P_Radiology_Office	P_Radiology_Office	\$27.61	\$28.54	\$25.57	\$23.63	\$23.88	\$26.87		
	P_Pathology_IP	P_Pathology_IP	\$3.76	\$3.55	\$3.80	\$3.89	\$3.10	\$3.76		
	P_Pathology_OP	P_Pathology_OP	\$31.25	\$33.01	\$29.96	\$35.75	\$43.38	\$32.99		
	P_Pathology_Independent_Lab	P_Pathology_Independent_Lab	\$0.06	\$0.00	\$0.02	\$0.12	\$0.00	\$0.05		
	P_Pathology_Office	P_Pathology_Office	\$8.01	\$8.30	\$8.00	\$8.44	\$8.00	\$8.00		
	P_MHSA	P_MHSA_Mental_Health	\$10.57	\$13.39	\$9.31	\$8.28	\$20.58	\$12.96		
	P_MHSA	P_MHSA_Substance_Abuse	\$0.04	\$0.04	\$0.04	\$0.03	\$0.02	\$0.04		
	P_Chiro	P_Chiro	\$1.19	\$1.03	\$1.31	\$1.31	\$0.64	\$1.20		
	P_Vision	P_Vision	\$8.92	\$9.66	\$8.92	\$9.01	\$5.09	\$8.49		
	P_Hearing	P_Hearing	\$1.86	\$1.18	\$1.59	\$1.71	\$1.01	\$1.71		
	P_Speech	P_Speech	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
	P_Preventive	P_Preventive	\$8.11	\$8.13	\$8.19	\$8.45	\$6.04	\$7.79		
	P_Miscellaneous	P_Miscellaneous	\$98.24	\$103.95	\$91.43	\$92.27	\$53.85	\$89.97		
<b>Professional - Total</b>			<b>\$1,176.25</b>	<b>\$1,187.72</b>	<b>\$1,179.22</b>	<b>\$1,195.01</b>	<b>\$898.84</b>	<b>\$1,126.01</b>		
Other	A_Home_Health_PDN	A_Home_Health_PDN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
	A_DME	A_DME	\$70.72	\$80.14	\$82.66	\$70.23	\$60.84	\$72.08		
	A_Prosthetics	A_Prosthetics	\$5.15	\$7.09	\$2.64	\$3.29	\$6.38	\$5.61		
	A_Ambulance	A_Ambulance	\$163.15	\$167.82	\$161.46	\$154.42	\$143.10	\$158.52		
	A_Hearing_Aids_Devices	A_Hearing_Aids_Devices	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
	A_Dental	A_Dental	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
<b>Other - Total</b>			<b>\$239.02</b>	<b>\$255.06</b>	<b>\$246.76</b>	<b>\$227.95</b>	<b>\$210.31</b>	<b>\$236.21</b>		

**Appendix A.3 - Segmentation by Risk Score Cohorts**

Service Category Group	Service Category	Service Subcategory	Non Home Health Utilizers													
			Risk Score 2.07+													
			1. Cardiovascular	2. Diabetes	3. Chronic Heart Failure	4. Severe Hematologic Disorders	Other	Total								
Member Months			98,422	66,617	76,308	51,168	8,089	121,000								
Enrollees			9,672	6,502	7,554	5,027	795	11,898								
Average Member Risk Score			3.76	3.83	3.79	3.80	3.55	3.72								
Average Stay	Inpatient Medical (Stays)		2.86	2.91	2.88	2.89	2.77	2.84								
	Skilled Nursing Facility (Stays)		0.89	0.93	0.89	0.87	0.27	0.82								
Average Length of Stay	Home health (Days)		6.7	7.0	6.8	6.6	6.3	6.7								
	Inpatient Medical (Days)		23.7	24.2	23.2	22.7	25.3	23.8								
	Skilled Nursing Facility (Days)															
Readmissions	90-day Readmission Rate		8.3%	8.7%	8.3%	8.2%	13.2%	9.0%								
Total Home Health Claims																
	.....Early Admission (% of Claims)															
Total Home Health Services																
Home Health Utilization																
	Home Health Aids (% of Services)															
	Skilled Nursing (% of Services)															
	Medical Social Work (% of Services)															
	Physical Therapy (% of Services)															
	Occupational Therapy (% of Services)															
	Speech Pathology (% of Services)															
	Other (% of Services)															
Condition Prevalence Rates	1: Chronic alcohol and other drug dependence		13.1%	13.2%	12.0%	10.4%	23.3%	14.2%								
	2: Autoimmune disorders		14.0%	12.7%	14.1%	13.3%	12.0%	13.5%								
	3: Cancer		35.0%	30.9%	32.8%	35.1%	45.0%	36.0%								
	4: Cardiovascular disorders		100.0%	85.4%	90.6%	88.3%	0.0%	81.3%								
	5: Chronic heart failure		70.3%	68.9%	100.0%	76.6%	0.0%	63.1%								
	6: Dementia		25.1%	25.8%	23.6%	24.7%	17.0%	24.2%								
	7: Diabetes mellitus		57.8%	100.0%	60.2%	65.4%	0.0%	55.1%								
	8: End-stage liver disease		33.6%	38.7%	36.9%	40.5%	18.1%	32.5%								
	9: End-stage renal disease		14.2%	15.1%	13.6%	14.5%	17.2%	15.0%								
	10: Severe hematologic disorders		45.9%	50.3%	51.4%	100.0%	0.0%	42.3%								
	11: HIV/AIDS		10.5%	9.7%	10.1%	11.3%	15.0%	11.1%								
	12: Chronic lung disorders		0.7%	0.8%	0.7%	0.8%	1.7%	0.9%								
	13: Chronic and disabling mental health conditions		51.5%	49.0%	55.9%	49.2%	31.5%	49.2%								
	14: Neurologic disorders		36.7%	40.0%	35.4%	33.1%	37.2%	37.6%								
	15: Stroke		38.1%	38.8%	34.2%	33.5%	48.1%	39.1%								
<b>Total</b>			<b>\$9,920.55</b>	<b>\$10,072.34</b>	<b>\$9,852.19</b>	<b>\$9,593.14</b>	<b>\$8,681.41</b>	<b>\$9,708.89</b>								
Inpatient Facility	I_Medical_Surgical	I_Medical	\$3,392.66	\$3,442.46	\$3,495.53	\$3,414.49	\$3,006.50	\$3,340.06								
	I_Medical_Surgical	I_Surgical	\$1,746.41	\$1,770.31	\$1,704.67	\$1,663.42	\$1,165.43	\$1,836.00								
	I_Maternity	I_Maternity	\$0.96	\$0.46	\$0.97	\$0.00	\$25.77	\$2.76								
	I_MHSA	I_MHSA_Mental_Health	\$91.30	\$131.96	\$83.93	\$64.57	\$324.06	\$133.93								
	I_SNF	I_MHSA_Substance_Abuse	\$17.91	\$14.45	\$16.39	\$11.64	\$114.08	\$26.16								
<b>Inpatient - Total</b>			<b>\$1,464.85</b>	<b>\$1,581.52</b>	<b>\$1,453.60</b>	<b>\$1,359.06</b>	<b>\$643.38</b>	<b>\$1,369.21</b>								
Outpatient Facility	O_Observations	O_Observations	\$22.31	\$21.70	\$21.31	\$21.16	\$29.37	\$22.68								
	O_ER	O_ER	\$112.18	\$120.21	\$112.11	\$103.18	\$153.84	\$116.80								
	O_Surgery	O_Surgery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00								
	O_Surgery	O_Surgery_Hospital	\$120.21	\$122.22	\$109.65	\$127.21	\$116.02	\$120.39								
	O_Surgery	O_Surgery_Surgical_Center	\$17.52	\$18.32	\$15.83	\$19.43	\$8.87	\$16.05								
	O_Radiology	O_Radiology_High_Tech	\$53.30	\$50.27	\$48.40	\$46.33	\$84.40	\$56.02								
	O_Radiology	O_Radiology_Diagnostic	\$41.89	\$36.48	\$44.54	\$35.77	\$75.19	\$43.69								
	O_Radiology	O_Radiology_Other	\$51.25	\$44.60	\$41.15	\$43.61	\$132.43	\$58.68								
	O_Pathology	O_Pathology	\$39.42	\$40.72	\$39.30	\$40.23	\$39.63	\$39.55								
	O_Cardiovascular	O_Cardiovascular	\$81.12	\$75.49	\$91.02	\$82.02	\$7.04	\$68.03								
	O_Therapy	O_Therapy	\$129.49	\$137.01	\$124.68	\$122.08	\$69.59	\$121.89								
	O_Pharmacy	O_Pharmacy	\$351.51	\$305.11	\$292.66	\$326.89	\$682.22	\$400.64								
	O_Dialysis	O_Dialysis	\$11.09	\$16.71	\$12.56	\$24.46	\$0.00	\$10.37								
	O_MHSA	O_MHSA_Mental_Health	\$4.32	\$5.08	\$3.24	\$4.64	\$15.66	\$5.52								
	O_MHSA	O_MHSA_Substance_Abuse	\$0.05	\$0.00	\$0.06	\$0.00	\$0.00	\$0.08								
	O_Preventive	O_Preventive	\$2.48	\$2.64	\$2.45	\$2.64	\$2.47	\$2.54								
	O_Miscellaneous	O_Miscellaneous	\$195.35	\$182.44	\$188.30	\$191.84	\$208.94	\$193.62								
<b>Outpatient - Total</b>			<b>\$1,233.48</b>	<b>\$1,178.99</b>	<b>\$1,147.26</b>	<b>\$1,191.49</b>	<b>\$1,625.67</b>	<b>\$1,276.55</b>								
Professional	P_IP_Surgery	P_IP_Surgery_Primary_Surgeon	\$59.38	\$59.74	\$55.84	\$55.92	\$61.21	\$57.96								
	P_IP_Surgery	P_IP_Surgery_Assistant_Surgeon	\$0.35	\$0.33	\$0.28	\$0.31	\$0.54	\$0.37								
	P_IP_Surgery	P_IP_Surgery_Anesthesia	\$15.42	\$15.46	\$14.75	\$14.20	\$13.97	\$14.80								
	P_IP_Maternity	P_IP_Maternity_Vaginal	\$0.00	\$0.03	\$0.00	\$0.00	\$0.00	\$0.02								
	P_IP_Maternity	P_IP_Maternity_Caesarean	\$0.00	\$0.00	\$0.00	\$0.00	\$0.51	\$0.03								
	P_IP_Maternity	P_IP_Maternity_Non_Delivery	\$0.00	\$0.00	\$0.01	\$0.00	\$0.00	\$0.00								
	P_OP_Surgery	P_OP_Surgery_Hospital	\$35.40	\$37.21	\$32.71	\$32.52	\$24.83	\$34.10								
	P_OP_Surgery	P_OP_Surgery_Surgical_Center	\$4.09	\$4.11	\$4.08	\$4.36	\$3.65	\$3.97								
	P_OP_Surgery	P_OP_Surgery_Office	\$40.33	\$43.38	\$39.01	\$39.81	\$14.51	\$36.02								
	P_IP_Visits	P_IP_Visits	\$390.25	\$412.01	\$408.74	\$415.74	\$264.25	\$371.88								
	P_ER_Visits	P_ER_Visits	\$111.92	\$119.13	\$117.21	\$110.59	\$90.53	\$108.69								
	P_Urgent_Care	P_Urgent_Care	\$1.59	\$1.54	\$1.49	\$1.59	\$1.31	\$1.56								
	P_Office_Visits	P_Office_Visits_PCP	\$49.10	\$48.64	\$49.39	\$51.34	\$43.06	\$48.59								
	P_Office_Visits	P_Office_Visits_Specialist	\$147.49	\$145.45	\$144.63	\$153.97	\$133.43	\$145.83								
	P_Cardiovascular	P_Cardiovascular	\$31.83	\$30.35	\$35.83	\$33.26	\$6.46	\$27.66								
	P_Physical_Medicine	P_Physical_Medicine	\$26.13	\$23.94	\$26.19	\$25.50	\$12.39	\$23.76								
	P_Therapeutic_Injections	P_Therapeutic_Injections	\$374.69	\$295.25	\$343.17	\$304.86	\$546.30	\$380.14								
	P_Allergy_Testing	P_Allergy_Testing	\$0.10	\$0.10	\$0.11	\$0.09	\$0.04	\$0.09								
	P_Allergy_Immunotherapy	P_Allergy_Immunotherapy	\$0.14	\$0.15	\$0.17	\$0.11	\$0.27	\$0.14								
	P_Radiology_IP	P_Radiology_IP	\$18.87	\$19.15	\$18.55	\$18.63	\$15.19	\$18.21								
	P_Radiology_OP	P_Radiology_OP	\$38.08	\$37.53	\$35.30	\$34.64	\$45.40	\$38.56								
	P_Radiology_Surgical_Center	P_Radiology_Surgical_Center	\$0.02	\$0.03	\$0.03	\$0.02	\$0.01	\$0.02								
	P_Radiology_Office	P_Radiology_Office	\$33.67	\$30.78	\$31.10	\$34.11	\$35.14	\$34.47								
	P_Pathology	P_Pathology_IP_Hospital	\$4.52	\$4.50	\$4.20	\$4.44	\$5.48	\$4.62								
	P_Pathology	P_Pathology_OP_Hospital	\$43.42	\$43.63	\$41.37	\$45.35	\$48.68	\$44.14								
	P_Pathology	P_Pathology_Independent_Lab	\$0.02	\$0.02	\$0.02	\$0.02	\$0.01	\$0.02								
	P_Pathology	P_Pathology_Office	\$9.43	\$8.94	\$9.17	\$10.68	\$9.45	\$9.32								
	P_MHSA	P_MHSA_Mental_Health	\$15.33	\$18.15	\$13.53	\$13.17	\$15.91	\$16.06								
	P_MHSA	P_MHSA_Substance_Abuse	\$0.04	\$0.04	\$0.03	\$0.04	\$0.03	\$0.04								
	P_Chiro	P_Chiro	\$1.05	\$1.02	\$1.12	\$1.10	\$0.55	\$0.97								
	P_Vision	P_Vision	\$9.06	\$10.01	\$9.00	\$9.08	\$5.47	\$8.63								
	P_Hearing	P_Hearing	\$1.45	\$1.29	\$1.44	\$1.21	\$0.85	\$1.42								
	P_Speech	P_Speech	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00								
	P_Preventive	P_Preventive	\$8.20	\$8.46	\$8.11	\$8.51	\$5.18	\$7.93								
	P_Miscellaneous	P_Miscellaneous	\$143.59	\$153.88	\$137.78	\$134.19	\$66.61	\$133.53								
<b>Professional - Total</b>			<b>\$1,622.14</b>	<b>\$1,581.35</b>	<b>\$1,591.30</b>	<b>\$1,566.97</b>	<b>\$1,476.75</b>	<b>\$1,580.50</b>								
Other	A_Home_Health_PDN	A_Home_Health_PDN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00								
	A_DME	A_DME	\$125.86	\$126.91	\$131.42	\$112.76	\$131.11	\$126.66								
	A_Prosthetics	A_Prosthetics	\$16.13	\$20.90	\$13.90	\$16.72	\$2.11	\$13.87								
	A_Ambulance	A_Ambulance	\$208.86	\$222.97	\$213.24	\$192.02	\$166.47	\$203.16								
	A_Hearing_Aids_Devices	A_Hearing_Aids_Devices	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00								
	A_Dental	A_Dental	\$0.00	\$0.06	\$0.00	\$0.00	\$0.06	\$0.04								
<b>Other - Total</b>			<b>\$350.85</b>	<b>\$370.84</b>	<b>\$358.56</b>	<b>\$321.50</b>	<b>\$299.76</b>	<b>\$343.72</b>								

**Appendix A.3 - Segmentation by Risk Score Cohorts**

Service Category Group	Service Category	Service Subcategory	Home Health Utilizers					
			Risk Score below 1.13					
			1. Cardiovascular	2. Diabetes	3. Chronic Heart Failure	4. Severe Hematologic Disorders	Other	Total
Member Months			260,219	165,297	116,261	113,777	173,323	536,484
Enrollees			23,194	14,955	10,678	10,337	15,232	47,609
Average Member Risk Score			0.70	0.67	0.63	0.58	0.65	0.68
Average Stay	Inpatient Medical (Stays)		1.43	1.38	1.91	1.71	0.58	1.05
	Skilled Nursing Facility (Stays)		0.32	0.20	0.42	0.27	0.12	0.24
Average Length of Stay	Home health (Days)		63.4	67.5	67.8	67.0	49.9	58.3
	Inpatient Medical (Days)		6.7	6.8	7.0	6.9	5.4	6.3
	Skilled Nursing Facility (Days)		24.2	24.2	24.1	23.7	22.6	23.9
Readmissions	90-day Readmission Rate		4.5%	5.0%	5.6%	5.8%	2.3%	3.9%
	Total Home Health Claims		2.6	2.8	2.8	2.8	2.2	2.4
	..... Early Admission (% of Claims)		38%	36%	36%	35%	46%	41%
	Total Home Health Services		24.4	25.7	26.1	25.5	18.4	22.0
Home Health Utilization	Home Health Aids (% of Services)		3.8%	3.8%	4.0%	3.7%	3.8%	3.8%
	Skilled Nursing (% of Services)		47.8%	51.6%	49.3%	48.2%	39.1%	45.1%
	Medical Social Work (% of Services)		0.5%	0.6%	0.6%	0.6%	0.5%	0.5%
	Physical Therapy (% of Services)		34.8%	32.3%	33.0%	34.5%	44.5%	38.0%
	Occupational Therapy (% of Services)		8.8%	7.8%	9.0%	8.9%	8.2%	8.6%
	Speech Pathology (% of Services)		1.4%	1.1%	1.2%	1.1%	1.7%	1.4%
	Other (% of Services)		2.8%	2.8%	2.9%	2.9%	2.2%	2.5%
Condition Prevalence Rates	1: Chronic alcohol and other drug dependence		4.4%	3.8%	5.3%	4.2%	3.7%	3.9%
	2: Autoimmune disorders		8.8%	8.1%	9.7%	9.3%	7.8%	8.4%
	3: Cancer		17.7%	16.2%	18.3%	18.6%	13.6%	15.9%
	4: Cardiovascular disorders		100.0%	57.6%	81.4%	65.5%	0.0%	48.5%
	5: Chronic heart failure		36.4%	31.7%	100.0%	42.8%	0.0%	21.7%
	6: Dementia		16.3%	12.1%	14.6%	15.5%	12.9%	14.5%
	7: Diabetes mellitus		36.6%	100.0%	45.1%	52.0%	0.0%	30.8%
	8: End-stage liver disease		21.3%	27.8%	30.0%	34.9%	9.3%	17.2%
	9: End-stage renal disease		5.2%	6.2%	7.3%	7.1%	2.6%	4.2%
	10: Severe hematologic disorders		28.7%	35.8%	41.9%	100.0%	0.0%	21.2%
	11: HIV/AIDS		3.0%	3.0%	4.5%	4.5%	1.0%	2.1%
	12: Chronic lung disorders		0.3%	0.3%	0.3%	0.5%	0.2%	0.2%
	13: Chronic and disabling mental health conditions		18.9%	16.9%	27.0%	20.1%	9.1%	14.5%
	14: Neurologic disorders		18.1%	18.0%	19.2%	19.9%	15.4%	17.1%
	15: Stroke		19.1%	18.7%	20.4%	20.3%	16.3%	17.7%
Total			\$5,743.62	\$5,898.61	\$7,591.64	\$7,139.81	\$2,721.29	\$4,353.90
Inpatient Facility	I_Medical_Surgical	I_Medical	\$1,300.44	\$1,305.18	\$1,969.09	\$1,702.24	\$406.29	\$904.85
	I_Surgical	I_ER	\$1,312.89	\$1,259.02	\$1,689.19	\$1,445.56	\$532.10	\$929.22
	I_Maternity	I_Maternity	\$0.15	\$0.00	\$0.00	\$0.00	\$0.05	\$0.09
	I_MHSA	I_MHSA_Mental_Health	\$14.27	\$13.67	\$12.87	\$10.92	\$11.72	\$13.61
	I_SNF	I_MHSA_Substance_Abuse	\$2.68	\$1.93	\$3.14	\$1.32	\$2.04	\$2.26
Inpatient - Total			\$479.10	\$459.14	\$635.21	\$535.91	\$166.78	\$342.82
Outpatient Facility	O_Observations	O_Observations	\$16.91	\$17.49	\$20.51	\$20.70	\$6.54	\$12.14
	O_ER	O_ER	\$64.62	\$62.21	\$80.40	\$74.89	\$30.81	\$49.78
	O_Surgery	O_Surgery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	O_Surgery_Hospital	O_Surgery_Hospital	\$211.26	\$236.69	\$193.11	\$228.77	\$315.22	\$251.16
	O_Surgery_Surgical_Center	O_Surgery_Surgical_Center	\$34.63	\$38.59	\$31.73	\$40.97	\$50.67	\$39.35
	O_Radiology	O_Radiology_High_Tech	\$28.63	\$25.19	\$29.12	\$25.82	\$18.90	\$24.32
	O_Radiology_Diagnostic	O_Radiology_Diagnostic	\$22.31	\$20.50	\$27.19	\$23.86	\$13.36	\$18.04
	O_Radiology_Other	O_Radiology_Other	\$26.67	\$26.45	\$26.37	\$23.14	\$20.84	\$24.41
	O_Pathology	O_Pathology	\$16.65	\$17.13	\$20.48	\$20.29	\$9.89	\$14.03
	O_Cardiovascular	O_Cardiovascular	\$61.23	\$47.50	\$86.18	\$45.42	\$4.47	\$33.35
	O_Therapy	O_Therapy	\$24.90	\$22.03	\$22.41	\$21.82	\$26.85	\$24.95
	O_Pharmacy	O_Pharmacy	\$94.38	\$99.86	\$110.20	\$111.70	\$64.19	\$84.53
	O_Dialysis	O_Dialysis	\$313.26	\$455.05	\$609.16	\$829.42	\$0.00	\$175.91
	O_MHSA	O_MHSA_Mental_Health	\$1.03	\$1.59	\$1.24	\$0.92	\$2.47	\$1.59
	O_MHSA_Substance_Abuse	O_MHSA_Substance_Abuse	\$0.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.01
	O_Preventive	O_Preventive	\$3.15	\$4.08	\$4.83	\$5.95	\$1.46	\$2.47
	O_Miscellaneous	O_Miscellaneous	\$82.93	\$64.64	\$88.16	\$77.19	\$64.64	\$72.48
Outpatient - Total			\$1,002.58	\$1,138.99	\$1,351.10	\$1,550.85	\$620.31	\$828.50
Professional	P_IP_Surgery	P_IP_Surgery_Primary_Surgeon	\$65.86	\$62.04	\$71.53	\$64.27	\$43.80	\$55.07
	P_IP_Surgery	P_IP_Surgery_Assistant_Surgeon	\$0.88	\$0.74	\$0.92	\$0.75	\$0.52	\$0.70
	P_IP_Surgery	P_IP_Surgery_Anesthesia	\$16.27	\$14.72	\$18.30	\$15.79	\$9.18	\$12.73
	P_IP_Maternity	P_IP_Maternity_Vaginal	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	P_IP_Maternity	P_IP_Maternity_Caesarean	\$0.00	\$0.00	\$0.00	\$0.00	\$0.01	\$0.00
	P_IP_Maternity	P_IP_Maternity_Non_Delivery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	P_OP_Surgery	P_OP_Surgery_Hospital	\$33.96	\$36.81	\$31.41	\$36.66	\$41.70	\$36.65
	P_OP_Surgery	P_OP_Surgery_Surgical_Center	\$7.37	\$8.36	\$6.30	\$7.92	\$10.92	\$8.63
	P_OP_Surgery	P_OP_Surgery_Office	\$48.44	\$54.70	\$54.60	\$65.87	\$20.03	\$34.42
	P_OP_Surgery	P_OP_Surgery_Anesthesia	\$9.49	\$10.52	\$9.31	\$10.54	\$11.44	\$10.16
	P_IP_Visits	P_IP_Visits	\$179.88	\$185.45	\$276.34	\$249.22	\$43.97	\$117.65
	P_ER_Visits	P_ER_Visits	\$47.43	\$46.21	\$70.45	\$59.15	\$14.22	\$32.21
	P_Urgent_Care	P_Urgent_Care	\$1.85	\$1.66	\$1.79	\$1.59	\$1.67	\$1.76
	P_Office_Visits	P_Office_Visits_PCP	\$44.11	\$47.01	\$48.70	\$47.56	\$29.25	\$38.66
	P_Office_Visits	P_Office_Visits_Specialist	\$113.14	\$112.68	\$121.83	\$118.32	\$77.30	\$97.44
	P_Cardiovascular	P_Cardiovascular	\$25.24	\$19.52	\$34.59	\$22.04	\$4.20	\$15.03
	P_Physician_Medicine	P_Physician_Medicine	\$31.76	\$27.63	\$23.20	\$24.65	\$44.53	\$35.71
	P_Therapeutic_Injections	P_Therapeutic_Injections	\$130.59	\$143.05	\$135.34	\$154.88	\$63.64	\$99.21
	P_Allergy_Testing	P_Allergy_Testing	\$0.22	\$0.21	\$0.15	\$0.15	\$0.20	\$0.21
	P_Allergy_Immunotherapy	P_Allergy_Immunotherapy	\$0.30	\$0.34	\$0.14	\$0.18	\$0.44	\$0.35
	P_Radiology_IP	P_Radiology_IP	\$10.56	\$10.15	\$14.19	\$12.23	\$3.25	\$7.22
	P_Radiology_OP	P_Radiology_OP	\$21.38	\$19.28	\$22.98	\$20.87	\$13.91	\$17.99
	P_Radiology_Surgical_Center	P_Radiology_Surgical_Center	\$0.07	\$0.09	\$0.10	\$0.13	\$0.04	\$0.05
	P_Radiology_Office	P_Radiology_Office	\$37.67	\$34.73	\$32.06	\$29.36	\$26.36	\$31.83
	P_Pathology_IP	P_Pathology_IP	\$3.06	\$2.92	\$3.69	\$3.33	\$1.64	\$2.44
	P_Pathology_OP	P_Pathology_OP	\$36.82	\$39.47	\$36.47	\$38.01	\$24.53	\$32.26
	P_Pathology_Independent_Lab	P_Pathology_Independent_Lab	\$0.05	\$0.07	\$0.04	\$0.04	\$0.07	\$0.06
	P_Pathology_Office	P_Pathology_Office	\$7.97	\$7.89	\$7.43	\$7.66	\$5.66	\$7.02
	P_MHSA	P_MHSA_Mental_Health	\$5.96	\$5.09	\$5.80	\$5.05	\$6.06	\$5.89
	P_MHSA	P_MHSA_Substance_Abuse	\$0.06	\$0.06	\$0.05	\$0.06	\$0.05	\$0.06
	P_Chiro	P_Chiro	\$1.38	\$1.28	\$1.17	\$1.05	\$1.93	\$1.58
	P_Vision	P_Vision	\$8.16	\$9.06	\$7.85	\$8.46	\$6.36	\$7.51
	P_Hearing	P_Hearing	\$0.93	\$0.59	\$0.72	\$0.62	\$0.71	\$0.78
	P_Speech	P_Speech	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	P_Preventive	P_Preventive	\$9.31	\$9.14	\$8.59	\$8.87	\$9.11	\$9.28
	P_Miscellaneous	P_Miscellaneous	\$91.50	\$110.62	\$134.04	\$154.64	\$24.10	\$60.89
Professional - Total			\$991.68	\$1,022.06	\$1,180.05	\$1,169.93	\$540.80	\$781.44
Other	A_Home_Health_PDN	A_Home_Health_PDN	\$460.09	\$490.64	\$500.85	\$488.15	\$354.96	\$417.22
	A_DME	A_DME	\$68.56	\$83.74	\$89.98	\$80.44	\$40.15	\$57.61
	A_Prosthetics	A_Prosthetics	\$15.26	\$20.76	\$19.78	\$22.82	\$6.15	\$10.81
	A_Ambulance	A_Ambulance	\$95.95	\$99.47	\$140.37	\$131.68	\$29.95	\$65.46
	A_Hearing_Aids_Devices	A_Hearing_Aids_Devices	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	A_Dental	A_Dental	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other - Total			\$639.85	\$694.60	\$750.99	\$723.10	\$431.22	\$551.11

**Appendix A.3 - Segmentation by Risk Score Cohorts**

Service Category Group	Service Category	Service Subcategory	Home Health Utilizers						
			Risk Score between 1.13 and 1.69						
			1. Cardiovascular	2. Diabetes	3. Chronic Heart Failure	4. Severe Hematologic Disorders	Other	Total	
Member Months			189,500	111,814	95,814	78,088	51,152		296,039
Enrollees			16,658	9,898	8,502	6,873	4,604		26,215
Average Member Risk Score			1.40	1.39	1.41	1.40	1.37		1.39
Average Stay	Inpatient Medical (Stays)		1.28	1.20	1.57	1.38	0.66		1.09
	Skilled Nursing Facility (Stays)		0.40	0.25	0.46	0.41	0.19		0.23
Average Length of Stay	Home health (Days)		73.3	77.0	72.1	70.5	73.2		73.3
	Inpatient Medical (Days)		6.3	6.4	6.3	6.3	6.0		6.2
	Skilled Nursing Facility (Days)		25.3	25.0	24.2	23.9	25.0		25.1
Readmissions	90-day Readmission Rate		3.8%	4.2%	4.4%	4.3%	3.4%		3.8%
	Total Home Health Claims		3.0	3.1	2.9	2.9	3.0		3.0
	.....Early Admission (% of Claims)		33%	32%	34%	34%	31%		33%
	Total Home Health Services		28.3	29.9	27.8	26.8	25.8		27.6
Home Health Utilization	Home Health Aids (% of Services)		4.2%	4.3%	3.7%	3.8%	5.4%		4.6%
	Skilled Nursing (% of Services)		46.6%	51.2%	47.8%	45.4%	42.0%		46.1%
	Medical Social Work (% of Services)		0.5%	0.6%	0.6%	0.5%	0.6%		0.6%
	Physical Therapy (% of Services)		34.9%	32.0%	34.6%	36.5%	37.6%		35.3%
	Occupational Therapy (% of Services)		9.3%	7.9%	9.3%	9.6%	9.1%		9.0%
	Speech Pathology (% of Services)		1.8%	1.5%	1.5%	1.6%	2.6%		1.9%
	Other (% of Services)		2.6%	2.5%	2.5%	2.5%	2.7%		2.5%
Condition Prevalence Rates	1: Chronic alcohol and other drug dependence		4.9%	4.7%	4.9%	4.5%	7.0%		5.3%
	2: Autoimmune disorders		12.0%	11.1%	11.2%	11.8%	13.2%		12.3%
	3: Cancer		19.7%	18.2%	19.0%	20.1%	18.7%		19.1%
	4: Cardiovascular disorders		100.0%	66.6%	83.3%	72.6%	0.0%		64.0%
	5: Chronic heart failure		42.1%	34.7%	100.0%	43.1%	0.0%		32.4%
	6: Dementia		25.3%	22.9%	21.5%	25.1%	27.1%		25.8%
	7: Diabetes mellitus		39.3%	100.0%	40.5%	46.5%	0.0%		37.8%
	8: End-stage liver disease		18.3%	23.4%	22.3%	25.5%	10.8%		17.5%
	9: End-stage renal disease		5.0%	5.7%	5.9%	5.8%	4.6%		5.0%
	10: Severe hematologic disorders		29.9%	32.5%	35.1%	100.0%	0.0%		26.4%
	11: HIV/AIDS		2.2%	1.8%	2.6%	2.4%	1.4%		2.0%
	12: Chronic lung disorders		0.2%	0.3%	0.2%	0.2%	0.3%		0.2%
	13: Chronic and disabling mental health conditions		24.7%	22.4%	28.9%	22.9%	20.1%		23.1%
	14: Neurologic disorders		23.8%	24.3%	21.7%	25.0%	26.0%		24.7%
	15: Stroke		25.4%	23.6%	21.1%	22.4%	31.1%		27.1%
Total			\$4,722.54	\$4,556.67	\$5,387.79	\$4,717.20	\$3,066.01		\$4,181.91
Inpatient Facility	I_Medical_Surgical	I_Medical	\$1,138.49	\$1,098.49	\$1,467.62	\$1,242.16	\$542.43		\$964.25
	I_Maternity	I_Surgical	\$837.21	\$798.47	\$987.63	\$785.10	\$440.18		\$692.32
	I_MHSA	I_MHSA_Mental_Health	\$0.39	\$0.67	\$0.00	\$0.00	\$0.00		\$0.25
	I_SNF	I_MHSA_Substance_Abuse	\$19.48	\$21.65	\$15.56	\$16.13	\$33.99		\$24.13
	I_SNF	I_SNF	\$1.80	\$1.79	\$2.14	\$0.62	\$4.51		\$2.29
Inpatient - Total			\$2,595.56	\$2,463.00	\$3,152.86	\$2,634.18	\$1,310.27		\$2,187.01
Outpatient Facility	O_Observations	O_Observations	\$14.71	\$14.77	\$15.46	\$14.36	\$8.86		\$12.81
	O_ER	O_ER	\$67.47	\$63.88	\$72.92	\$68.31	\$43.35		\$60.68
	O_Surgery	O_Surgery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
	O_Surgery	O_Surgery_Hospital	\$130.64	\$137.45	\$133.52	\$125.97	\$133.11		\$131.73
	O_Surgery	O_Surgery_Surgical_Center	\$18.13	\$18.51	\$15.08	\$17.69	\$18.34		\$17.67
	O_Radiology	O_Radiology_High_Tech	\$26.46	\$25.27	\$26.97	\$25.15	\$23.97		\$25.58
	O_Radiology	O_Radiology_Diagnostic	\$18.20	\$17.47	\$20.28	\$18.25	\$12.26		\$16.43
	O_Radiology	O_Radiology_Other	\$19.38	\$18.77	\$20.25	\$17.48	\$21.34		\$19.45
	O_Pathology	O_Laboratory	\$15.43	\$15.61	\$17.36	\$16.23	\$11.25		\$14.45
	O_Pathology	O_Cardiovascular	\$52.41	\$42.41	\$76.92	\$45.63	\$32.23		\$35.57
	O_Therapy	O_Therapy	\$30.41	\$26.70	\$27.37	\$26.40	\$25.50		\$28.42
	O_Pharmacy	O_Pharmacy	\$76.69	\$75.67	\$69.05	\$96.90	\$96.41		\$83.37
	O_Dialysis	O_Dialysis	\$9.02	\$13.27	\$17.27	\$25.21	\$0.01		\$6.66
	O_MHSA	O_MHSA_Mental_Health	\$1.89	\$2.74	\$1.87	\$2.19	\$4.78		\$2.82
	O_MHSA	O_MHSA_Substance_Abuse	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
	O_Preventive	O_Preventive	\$1.43	\$1.71	\$1.59	\$1.63	\$1.22		\$1.40
	O_Miscellaneous	O_Miscellaneous	\$110.85	\$86.73	\$113.26	\$97.47	\$147.05		\$115.86
Outpatient - Total			\$593.10	\$560.95	\$628.15	\$598.88	\$550.69		\$572.88
Professional	P_IP_Surgery	P_IP_Surgery_Primary_Surgeon	\$42.12	\$40.59	\$45.27	\$39.37	\$20.97		\$37.60
	P_IP_Surgery	P_IP_Surgery_Assistant_Surgeon	\$0.42	\$0.39	\$0.47	\$0.38	\$0.40		\$0.40
	P_IP_Surgery	P_IP_Surgery_Anesthesia	\$10.43	\$9.79	\$11.61	\$9.47	\$6.73		\$9.00
	P_IP_Maternity	P_IP_Maternity_Vaginal	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
	P_IP_Maternity	P_IP_Maternity_Caesarean	\$0.01	\$0.01	\$0.00	\$0.00	\$0.00		\$0.00
	P_OP_Surgery	P_OP_Surgery_Hospital	\$24.49	\$24.85	\$23.73	\$22.99	\$21.43		\$23.56
	P_OP_Surgery	P_OP_Surgery_Surgical_Center	\$4.74	\$5.02	\$4.13	\$4.66	\$5.17		\$4.83
	P_OP_Surgery	P_OP_Surgery_Office	\$40.09	\$40.17	\$33.88	\$35.49	\$22.85		\$33.91
	P_IP_Visits	P_IP_Visits	\$140.15	\$136.33	\$181.26	\$159.01	\$55.49		\$114.48
	P_ER_Visits	P_ER_Visits	\$40.20	\$38.60	\$50.33	\$42.56	\$19.09		\$33.84
	P_Urgent_Care	P_Urgent_Care	\$1.74	\$1.48	\$1.80	\$1.62	\$1.72		\$1.68
	P_Office_Visits	P_Office_Visits_PCP	\$45.12	\$47.88	\$48.04	\$47.77	\$33.70		\$42.61
	P_Office_Visits	P_Office_Visits_Specialist	\$113.41	\$113.72	\$117.41	\$114.52	\$86.69		\$105.12
	P_Cardiovascular	P_Cardiovascular	\$22.02	\$18.51	\$20.52	\$20.71	\$3.46		\$16.04
	P_Physical_Medicine	P_Physical_Medicine	\$31.12	\$26.14	\$26.48	\$25.52	\$30.27		\$29.96
	P_Therapeutic_Injections	P_Therapeutic_Injections	\$134.53	\$127.42	\$135.53	\$129.94	\$130.11		\$127.34
	P_Allergy_Testing	P_Allergy_Testing	\$0.20	\$0.22	\$0.15	\$0.10	\$0.12		\$0.17
	P_Allergy_Immunotherapy	P_Allergy_Immunotherapy	\$0.19	\$0.32	\$0.21	\$0.15	\$0.21		\$0.25
	P_Radiology	P_Radiology_IP_Hospital	\$8.28	\$8.03	\$9.85	\$8.53	\$3.74		\$6.88
	P_Radiology	P_Radiology_OP_Hospital	\$21.31	\$19.53	\$21.48	\$19.43	\$16.17		\$19.46
	P_Radiology	P_Radiology_Surgical_Center	\$0.02	\$0.02	\$0.02	\$0.02	\$0.01		\$0.02
	P_Radiology	P_Radiology_Office	\$29.52	\$29.35	\$27.26	\$26.61	\$21.02		\$26.34
	P_Pathology	P_Pathology_IP_Hospital	\$2.05	\$2.05	\$2.27	\$2.20	\$1.43		\$1.82
	P_Pathology	P_Pathology_OP_Hospital	\$33.32	\$36.14	\$30.51	\$33.47	\$27.03		\$31.79
	P_Pathology	P_Pathology_Independent_Lab	\$0.04	\$0.05	\$0.03	\$0.06	\$0.03		\$0.04
	P_Pathology	P_Pathology_Office	\$8.21	\$8.51	\$7.98	\$8.81	\$5.73		\$7.59
	P_MHSA	P_MHSA_Mental_Health	\$7.59	\$6.95	\$6.16	\$6.80	\$10.72		\$8.04
	P_MHSA	P_MHSA_Substance_Abuse	\$0.06	\$0.06	\$0.05	\$0.06	\$0.04		\$0.05
	P_Chiro	P_Chiro	\$1.11	\$1.24	\$0.96	\$1.01	\$0.89		\$1.09
	P_Vision	P_Vision	\$9.35	\$10.01	\$8.70	\$9.06	\$7.44		\$8.93
	P_Hearing	P_Hearing	\$1.59	\$1.18	\$1.08	\$1.27	\$1.44		\$1.44
	P_Speech	P_Speech	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
	P_Preventive	P_Preventive	\$9.74	\$9.87	\$9.40	\$10.33	\$8.28		\$9.45
	P_Miscellaneous	P_Miscellaneous	\$67.37	\$58.19	\$76.68	\$56.99	\$33.90		\$56.52
Professional - Total			\$857.04	\$829.39	\$919.00	\$845.27	\$591.96		\$766.56
Other	A_Home_Health_PDN	A_Home_Health_PDN	\$514.41	\$536.39	\$507.30	\$485.53	\$496.62		\$507.98
	A_DME	A_DME	\$70.51	\$80.51	\$73.73	\$62.77	\$64.52		\$68.22
	A_Prosthetics	A_Prosthetics	\$7.91	\$10.30	\$6.48	\$7.58	\$6.77		\$7.53
	A_Ambulance	A_Ambulance	\$83.41	\$76.14	\$99.26	\$82.99	\$45.18		\$71.72
	A_Hearing_Aids_Devices	A_Hearing_Aids_Devices	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
	A_Dental	A_Dental	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
Other - Total			\$676.24	\$703.34	\$686.78	\$638.87	\$613.09		\$655.46

**Appendix A.3 - Segmentation by Risk Score Cohorts**

Service Category Group	Service Category	Service Subcategory	Home Health Utilizers						
			Risk Score between 1.69 and 2.07						
			1. Cardiovascular	2. Diabetes	3. Chronic Heart Failure	4. Severe Hematologic Disorders	Other	Total	
Member Months			99,453	57,874	61,067	44,544	15,021		137,057
Enrollees			8,762	5,072	5,397	3,912	1,364		12,121
Average Member Risk Score			1.87	1.87	1.87	1.87	1.86		1.87
Average Stay	Inpatient Medical (Stays)		1.38	1.38	1.58	1.54	0.66		1.24
	Skilled Nursing Facility (Stays)		0.44	0.43	0.48	0.46	0.20		0.39
Average Length of Stay	Home health (Days)		80.1	85.1	79.5	78.8	78.6		80.5
	Inpatient Medical (Days)		6.2	6.2	6.1	6.1	6.3		6.1
	Skilled Nursing Facility (Days)		24.9	25.2	23.9	24.2	24.3		24.9
Readmissions	90-day Readmission Rate		4.4%	4.6%	5.0%	5.5%	3.2%		4.4%
	Total Home Health Claims		3.2	3.4	3.2	3.2	3.2		3.3
	..... Early Admission (% of Claims)		29%	28%	30%	30%	27%		29%
	Total Home Health Services		30.9	33.1	30.4	30.0	27.2		30.4
Home Health Utilization	Home Health Aids (% of Services)		4.6%	4.6%	4.5%	4.5%	5.6%		4.9%
	Skilled Nursing (% of Services)		47.0%	50.2%	47.3%	45.6%	43.4%		47.0%
	Medical Social Work (% of Services)		0.5%	0.6%	0.5%	0.5%	0.6%		0.5%
	Physical Therapy (% of Services)		34.0%	31.7%	34.0%	35.3%	35.8%		33.9%
	Occupational Therapy (% of Services)		9.6%	8.9%	9.6%	9.9%	9.6%		9.4%
	Speech Pathology (% of Services)		1.7%	1.4%	1.6%	1.5%	2.5%		1.8%
	Other (% of Services)		2.6%	2.5%	2.4%	2.6%	2.6%		2.6%
Condition Prevalence Rates	1: Chronic alcohol and other drug dependence		5.7%	5.8%	5.3%	5.2%	9.0%		6.3%
	2: Autoimmune disorders		12.5%	11.0%	12.0%	12.0%	14.7%		12.8%
	3: Cancer		21.6%	20.6%	20.0%	21.8%	22.9%		21.9%
	4: Cardiovascular disorders		100.0%	74.8%	86.6%	78.0%	0.0%		72.6%
	5: Chronic heart failure		53.2%	48.0%	100.0%	56.0%	0.0%		44.6%
	6: Dementia		27.9%	25.7%	24.0%	27.5%	30.0%		28.1%
	7: Diabetes mellitus		43.5%	100.0%	45.5%	51.4%	0.0%		42.2%
	8: End-stage liver disease		21.1%	26.2%	24.6%	28.3%	12.5%		20.6%
	9: End-stage renal disease		5.3%	5.7%	5.1%	5.6%	5.5%		5.4%
	10: Severe hematologic disorders		34.9%	39.6%	40.8%	100.0%	0.0%		32.5%
	11: HIV/AIDS		2.9%	2.4%	3.0%	3.0%	1.9%		2.7%
	12: Chronic lung disorders		0.3%	0.3%	0.2%	0.2%	0.4%		0.3%
	13: Chronic and disabling mental health conditions		29.5%	26.7%	32.9%	27.9%	26.2%		29.0%
	14: Neurologic disorders		26.7%	28.3%	23.7%	27.0%	30.5%		28.0%
	15: Stroke		29.4%	29.3%	24.1%	25.1%	41.4%		31.6%
Total			\$4,951.60	\$5,043.56	\$5,275.70	\$5,034.25	\$3,186.89		\$4,584.91
Inpatient Facility	I_Medical_Surgical	I_Medical	\$1,243.67	\$1,224.95	\$1,449.46	\$1,381.81	\$591.18		\$1,115.08
	I_Maternity	I_Surgical	\$789.52	\$805.28	\$858.44	\$789.23	\$347.47		\$687.69
	I_MHSA	I_MHSA_Mental_Health	\$23.24	\$32.51	\$18.13	\$24.71	\$63.52		\$30.08
	I_SNF	I_MHSA_Substance_Abuse	\$2.16	\$1.79	\$0.77	\$1.17	\$4.80		\$2.42
	I_SNF	I_SNF	\$650.59	\$657.28	\$684.99	\$641.35	\$301.35		\$577.98
Inpatient - Total			\$2,709.18	\$2,721.80	\$3,011.79	\$2,838.27	\$1,308.94		\$2,413.32
Outpatient Facility	O_Observations	O_Observations	\$16.11	\$17.75	\$14.51	\$15.17	\$10.74		\$14.84
	O_ER	O_ER	\$71.14	\$67.71	\$73.25	\$70.23	\$47.42		\$66.54
	O_Surgery	O_Surgery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
	O_Surgery	O_Surgery_Hospital	\$112.89	\$116.99	\$104.95	\$108.67	\$109.10		\$110.47
	O_Surgery	O_Surgery_Surgical_Center	\$16.71	\$17.01	\$17.68	\$17.30	\$21.61		\$17.25
	O_Radiology	O_Radiology_High_Tech	\$26.62	\$25.74	\$26.52	\$25.21	\$22.74		\$26.26
	O_Radiology	O_Radiology_Diagnostic	\$18.44	\$17.50	\$20.28	\$19.27	\$11.79		\$17.15
	O_Radiology	O_Radiology_Other	\$16.83	\$17.43	\$13.77	\$15.37	\$19.77		\$17.58
	O_Pathology	O_Laboratory	\$16.43	\$17.31	\$18.37	\$19.11	\$12.07		\$15.99
	O_Pathology	O_Cardiovascular	\$53.23	\$51.15	\$68.32	\$49.31	\$2.82		\$40.45
	O_Therapy	O_Therapy	\$33.73	\$31.45	\$28.56	\$29.46	\$35.48		\$32.55
	O_Pharmacy	O_Pharmacy	\$71.26	\$92.27	\$65.97	\$72.62	\$94.03		\$84.90
	O_Dialysis	O_Dialysis	\$7.85	\$10.14	\$10.34	\$18.93	\$0.00		\$6.15
	O_MHSA	O_MHSA_Mental_Health	\$2.16	\$2.82	\$1.24	\$1.70	\$5.39		\$2.93
	O_MHSA	O_MHSA_Substance_Abuse	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
Professional	O_Preventive	O_Preventive	\$1.51	\$1.68	\$1.70	\$1.83	\$0.82		\$1.44
	O_Miscellaneous	O_Miscellaneous	\$131.49	\$112.00	\$133.75	\$123.87	\$163.85		\$133.90
	P_IP_Surgery	P_IP_Surgery_Primary_Surgeon	\$28.70	\$38.78	\$39.45	\$38.03	\$27.48		\$36.09
	P_IP_Surgery	P_IP_Surgery_Assistant_Surgeon	\$0.43	\$0.43	\$0.38	\$0.19	\$0.31		\$0.40
	P_IP_Surgery	P_IP_Surgery_Anesthesia	\$9.43	\$9.63	\$9.82	\$8.98	\$5.69		\$8.58
Professional	P_IP_Maternity	P_IP_Maternity_Vaginal	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
	P_IP_Maternity	P_IP_Maternity_Caesarean	\$0.00	\$0.00	\$0.00	\$0.00	\$0.17		\$0.02
	P_OP_Surgery	P_OP_Surgery_Hospital	\$22.57	\$23.73	\$20.94	\$21.33	\$18.84		\$21.67
	P_OP_Surgery	P_OP_Surgery_Surgical_Center	\$4.47	\$4.56	\$4.16	\$3.99	\$5.43		\$4.58
	P_OP_Surgery	P_OP_Surgery_Office	\$45.65	\$46.74	\$36.70	\$39.11	\$27.52		\$40.18
	P_OP_Visits	P_OP_Visits	\$5.97	\$16.17	\$5.82	\$5.66	\$5.27		\$5.68
	P_IP_Visits	P_IP_Visits	\$151.99	\$153.54	\$176.88	\$172.54	\$58.49		\$131.74
	P_ER_Visits	P_ER_Visits	\$42.24	\$41.23	\$48.11	\$44.49	\$20.12		\$37.72
	P_Urgent_Care	P_Urgent_Care	\$1.72	\$1.59	\$1.67	\$1.64	\$1.89		\$1.71
	P_Office_Visits	P_Office_Visits_PCP	\$49.31	\$51.44	\$51.50	\$50.85	\$34.53		\$46.83
Professional	P_Office_Visits	P_Office_Visits_Specialist	\$119.82	\$121.98	\$120.11	\$118.16	\$91.47		\$113.82
	P_Cardiovascular	P_Cardiovascular	\$22.67	\$21.01	\$27.60	\$21.18	\$3.84		\$18.06
	P_Physician_Medicine	P_Physician_Medicine	\$33.83	\$29.94	\$30.63	\$29.37	\$28.57		\$31.34
	P_Therapeutic_Injections	P_Therapeutic_Injections	\$167.76	\$182.48	\$168.72	\$153.32	\$127.29		\$163.35
	P_Allergy_Testing	P_Allergy_Testing	\$0.13	\$0.15	\$0.00	\$0.07	\$0.11		\$0.12
	P_Allergy_Immunotherapy	P_Allergy_Immunotherapy	\$0.23	\$0.11	\$0.14	\$0.18	\$0.21		\$0.21
	P_Radiology_IP	P_Radiology_IP	\$8.36	\$8.58	\$9.24	\$9.00	\$3.57		\$7.38
	P_Radiology_OP	P_Radiology_OP_Hospital	\$21.57	\$20.70	\$20.39	\$21.05	\$17.43		\$20.43
	P_Radiology_OP	P_Radiology_Surgical_Center	\$0.02	\$0.03	\$0.02	\$0.02	\$0.01		\$0.03
	P_Radiology_OP	P_Radiology_Office	\$31.06	\$33.22	\$24.76	\$30.50	\$21.11		\$28.47
Professional	P_Pathology	P_Pathology_IP_Hospital	\$1.88	\$2.00	\$2.00	\$1.91	\$1.29		\$1.77
	P_Pathology	P_Pathology_OP_Hospital	\$36.16	\$40.02	\$31.95	\$33.93	\$28.65		\$34.61
	P_Pathology	P_Pathology_Independent_Lab	\$0.02	\$0.04	\$0.02	\$0.02	\$0.00		\$0.02
	P_Pathology	P_Pathology_Office	\$8.20	\$8.79	\$7.99	\$8.33	\$7.85		\$8.15
	P_MHSA	P_MHSA_Mental_Health	\$8.58	\$9.12	\$6.88	\$6.70	\$13.04		\$9.11
	P_MHSA	P_MHSA_Substance_Abuse	\$0.06	\$0.05	\$0.05	\$0.05	\$0.08		\$0.06
	P_Chiro	P_Chiro	\$0.99	\$0.91	\$1.00	\$1.16	\$0.94		\$0.91
	P_Vision	P_Vision	\$10.11	\$10.60	\$9.72	\$9.79	\$7.08		\$9.65
	P_Hearing	P_Hearing	\$1.50	\$0.90	\$1.50	\$1.45	\$1.10		\$1.37
	P_Speech	P_Speech	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
Other	P_Preventive	P_Preventive	\$9.99	\$9.94	\$9.87	\$10.05	\$8.45		\$9.71
	P_Miscellaneous	P_Miscellaneous	\$61.70	\$79.74	\$66.57	\$59.13	\$47.30		\$66.11
	A_Home_Health_PDN	A_Home_Health_PDN	\$917.12	\$958.16	\$934.69	\$902.18	\$615.11		\$859.88
	A_DME	A_DME	\$556.57	\$580.07	\$546.42	\$531.72	\$536.40		\$553.83
	A_Prosthetics	A_Prosthetics	\$6.23	\$6.95	\$4.58	\$5.40	\$7.35		\$5.97
Other	A_Ambulance	A_Ambulance	\$88.21	\$83.54	\$95.94	\$90.23	\$51.48		\$80.00
	A_Hearing_Aids_Devices	A_Hearing_Aids_Devices	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
	A_Dental	A_Dental	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
	Other - Total		\$728.90	\$764.64	\$730.01	\$705.73	\$723.29		

**Appendix A.3 - Segmentation by Risk Score Cohorts**

Service Category Group	Service Category	Service Subcategory	Home Health Utilizers						
			Risk Score 2.07+						
			1. Cardiovascular	2. Diabetes	3. Chronic Heart Failure	4. Severe Hematologic Disorders	Other	Total	
Member Months			367,686	239,258	272,652	193,613	30,045	454,318	
Enrollees			33,825	21,874	25,232	17,811	2,871	41,921	
Average Member Risk Score			3.66	3.73	3.74	3.73	3.42		3.61
Average Stay	Inpatient Medical (Stays)		1.71	1.75	1.86	1.84	0.97		1.59
	Skilled Nursing Facility (Stays)		0.49	0.50	0.52	0.51	0.21		0.45
Average Length of Stay	Home health (Days)		92.1	96.3	91.7	91.2	85.3		91.4
	Inpatient Medical (Days)		6.6	6.6	6.5	6.6	6.5		6.5
	Skilled Nursing Facility (Days)		23.7	23.8	23.3	23.0	23.3		23.7
Readmissions	90-day Readmission Rate		6.4%	6.6%	6.7%	6.7%	5.5%		6.3%
	Total Home Health Claims		3.7	3.8	3.7	3.7	3.5		3.7
	..... Early Admission (% of Claims)		23%	22%	24%	24%	22%		23%
	Total Home Health Services		36.5	38.4	36.1	35.9	31.0		35.8
Home Health Utilization	Home Health Aids (% of Services)		5.2%	5.1%	5.1%	4.9%	7.3%		5.4%
	Skilled Nursing (% of Services)		51.8%	54.3%	51.4%	51.2%	50.5%		51.7%
	Medical Social Work (% of Services)		0.5%	0.5%	0.5%	0.5%	0.5%		0.5%
	Physical Therapy (% of Services)		29.1%	27.5%	29.7%	30.0%	27.2%		29.0%
	Occupational Therapy (% of Services)		8.3%	7.8%	8.6%	8.6%	7.3%		8.2%
	Speech Pathology (% of Services)		1.4%	1.2%	1.3%	1.3%	2.4%		1.5%
	Other (% of Services)		3.6%	3.6%	3.4%	3.5%	4.8%		3.6%
Condition Prevalence Rates	1: Chronic alcohol and other drug dependence		9.2%	9.0%	8.9%	8.0%	11.4%		9.5%
	2: Autoimmune disorders		16.0%	15.4%	16.0%	15.8%	13.2%		15.8%
	3: Cancer		32.6%	30.1%	30.0%	31.9%	42.1%		33.4%
	4: Cardiovascular disorders		100.0%	84.1%	90.5%	86.9%	0.0%		80.9%
	5: Chronic heart failure		67.1%	65.6%	100.0%	73.2%	0.0%		60.0%
	6: Dementia		26.8%	25.6%	24.9%	26.6%	23.0%		26.4%
	7: Diabetes mellitus		54.7%	100.0%	57.6%	62.7%	0.0%		52.7%
	8: End-stage liver disease		31.0%	36.9%	34.7%	38.1%	14.6%		29.8%
	9: End-stage renal disease		9.9%	11.2%	10.3%	10.5%	9.0%		10.1%
	10: Severe hematologic disorders		45.8%	50.8%	52.0%	100.0%	0.0%		42.6%
	11: HIV/AIDS		7.5%	7.0%	7.5%	8.8%	8.3%		7.6%
	12: Chronic lung disorders		0.4%	0.4%	0.3%	0.4%	0.9%		0.5%
	13: Chronic and disabling mental health conditions		45.6%	44.4%	51.2%	45.4%	30.8%		44.1%
	14: Neurologic disorders		29.5%	30.6%	29.1%	29.2%	29.9%		30.1%
	15: Stroke		37.6%	36.4%	34.1%	33.0%	50.0%		38.6%
Total			\$6,690.72	\$6,804.83	\$6,824.45	\$6,753.92	\$5,202.22		\$6,592.95
Inpatient Facility	I_Medical_Surgical	I_Medical	\$1,797.42	\$1,831.12	\$1,990.31	\$1,929.19	\$1,036.76		\$1,677.83
	I_Maternity	I_Surgical	\$889.79	\$918.84	\$909.42	\$883.87	\$586.27		\$821.75
	I_MHSA	I_MHSA_Mental_Health	\$19.61	\$22.52	\$19.76	\$18.82	\$33.95		\$21.88
	I_SNF	I_MHSA_Substance_Abuse	\$4.56	\$3.71	\$3.85	\$2.39	\$6.00		\$4.70
	I_SNF	I_SNF	\$737.68	\$762.46	\$787.72	\$743.20	\$326.03		\$678.00
Inpatient - Total			\$3,449.05	\$3,534.88	\$3,711.25	\$3,577.46	\$1,989.56		\$3,204.32
Outpatient Facility	O_Observations	O_Observations	\$29.76	\$31.50	\$27.54	\$28.83	\$20.26		\$28.16
	O_ER	O_ER	\$85.77	\$85.48	\$89.50	\$85.26	\$58.71		\$82.34
	O_Surgery	O_Surgery	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
	O_Surgery	O_Surgery_Hospital	\$123.78	\$125.86	\$115.31	\$125.01	\$128.64		\$122.45
	O_Surgery	O_Surgery_Surgical_Center	\$17.16	\$18.16	\$15.52	\$16.22	\$18.94		\$17.58
	O_Radiology	O_Radiology_High_Tech	\$36.90	\$34.48	\$34.78	\$33.02	\$46.78		\$37.94
	O_Radiology	O_Radiology_Diagnostic	\$27.80	\$27.94	\$28.21	\$27.08	\$43.53		\$28.80
	O_Radiology	O_Radiology_Other	\$36.35	\$32.77	\$30.15	\$30.24	\$80.33		\$40.09
	O_Pathology	O_Laboratory	\$22.31	\$22.53	\$23.74	\$24.23	\$21.74		\$22.21
	O_Pathology	O_Cardiovascular	\$56.41	\$55.94	\$66.34	\$59.14	\$3.74		\$47.49
	O_Therapy	O_Therapy	\$33.73	\$33.44	\$32.05	\$33.45	\$27.27		\$32.43
	O_Pharmacy	O_Pharmacy	\$260.88	\$231.42	\$221.65	\$232.43	\$517.14		\$289.16
	O_Dialysis	O_Dialysis	\$6.25	\$9.06	\$8.26	\$13.09	\$0.00		\$5.58
	O_MHSA	O_MHSA_Mental_Health	\$2.76	\$2.58	\$2.55	\$1.66	\$3.09		\$2.90
	O_MHSA	O_MHSA_Substance_Abuse	\$0.02	\$0.02	\$0.00	\$0.03	\$0.00		\$0.01
Professional	O_Preventive	O_Preventive	\$1.55	\$1.68	\$1.61	\$1.69	\$1.59		\$1.57
	O_Miscellaneous	O_Miscellaneous	\$164.89	\$147.42	\$163.28	\$159.23	\$220.60		\$169.40
	O_IP_Surgery	P_IP_Surgery_Primary_Surgeon	\$37.67	\$38.52	\$36.61	\$36.35	\$34.94		\$36.33
	P_IP_Surgery	P_IP_Surgery_Assistant_Surgeon	\$0.29	\$0.34	\$0.26	\$0.25	\$0.34		\$0.32
	P_IP_Surgery	P_IP_Surgery_Anesthesia	\$9.62	\$9.81	\$9.51	\$9.36	\$7.58		\$9.11
	P_IP_Maternity	P_IP_Maternity_Vaginal	\$0.00	\$0.00	\$0.00	\$0.00	\$0.09		\$0.01
	P_IP_Maternity	P_IP_Maternity_Caesarean	\$0.00	\$0.01	\$0.01	\$0.00	\$0.00		\$0.01
	P_OP_Surgery	P_OP_Surgery_Hospital	\$27.14	\$27.97	\$24.42	\$25.18	\$24.80		\$26.39
	P_OP_Surgery	P_OP_Surgery_Surgical_Center	\$4.30	\$4.58	\$4.00	\$4.27	\$4.13		\$4.38
	P_OP_Surgery	P_OP_Surgery_Office	\$54.30	\$57.87	\$50.00	\$52.79	\$24.26		\$48.66
Professional	P_IP_Visits	P_IP_Visits	\$216.51	\$225.85	\$240.08	\$242.10	\$99.36		\$197.75
	P_ER_Visits	P_ER_Visits	\$57.56	\$58.95	\$63.50	\$60.14	\$31.00		\$53.61
	P_Urgent_Care	P_Urgent_Care	\$1.72	\$1.57	\$1.70	\$1.69	\$1.54		\$1.68
	P_Office_Visits	P_Office_Visits_PCP	\$54.74	\$56.92	\$56.22	\$57.27	\$41.15		\$53.21
	P_Office_Visits	P_Office_Visits_Specialist	\$150.38	\$152.95	\$149.29	\$155.10	\$126.04		\$146.13
	P_Cardiovascular	P_Cardiovascular	\$23.28	\$22.31	\$26.80	\$24.08	\$4.04		\$20.05
	P_Physician_Medicine	P_Physician_Medicine	\$29.13	\$26.19	\$26.19	\$25.44	\$27.16		\$28.21
	P_Therapeutic_Injections	P_Therapeutic_Injections	\$441.12	\$437.94	\$337.35	\$425.15	\$438.70		\$424.82
	P_Allergy_Testing	P_Allergy_Testing	\$0.12	\$0.12	\$0.11	\$0.08	\$0.14		\$0.12
	P_Allergy_Immunotherapy	P_Allergy_Immunotherapy	\$0.18	\$0.24	\$0.14	\$0.13	\$0.11		\$0.20
Professional	P_Radiology	P_Radiology_IP_Hospital	\$10.90	\$11.21	\$11.51	\$11.38	\$6.43		\$10.15
	P_Radiology	P_Radiology_OP_Hospital	\$27.31	\$26.55	\$26.31	\$25.56	\$30.33		\$27.36
	P_Radiology	P_Radiology_Surgical_Center	\$0.02	\$0.02	\$0.02	\$0.02	\$0.01		\$0.02
	P_Radiology	P_Radiology_Office	\$42.59	\$40.71	\$37.61	\$36.80	\$62.69		\$44.20
	P_Pathology	P_Pathology_IP_Hospital	\$2.54	\$2.62	\$2.51	\$2.65	\$2.80		\$2.50
Other	P_Pathology	P_Pathology_OP_Hospital	\$41.40	\$43.25	\$39.59	\$42.17	\$41.33		\$41.37
	P_Pathology	P_Pathology_Independent_Lab	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03		\$0.03
	P_Pathology	P_Pathology_Office	\$10.15	\$10.35	\$9.81	\$10.76	\$8.78		\$10.05
	P_MHSA	P_MHSA_Mental_Health	\$8.99	\$9.30	\$8.05	\$7.03	\$11.83		\$9.32
	P_MHSA	P_MHSA_Substance_Abuse	\$0.06	\$0.06	\$0.05	\$0.06	\$0.04		\$0.06
	P_Chiro	P_Chiro	\$0.79	\$0.74	\$0.77	\$0.75	\$0.73		\$0.78
	P_Vision	P_Vision	\$9.99	\$10.68	\$9.84	\$10.32	\$6.29		\$9.63
	P_Hearing	P_Hearing	\$1.45	\$1.22	\$1.24	\$1.14	\$1.50		\$1.39
	P_Speech	P_Speech	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
	P_Preventive	P_Preventive	\$9.46	\$9.56	\$9.37	\$9.75	\$8.00		\$9.31
Professional - Total	P_Miscellaneous	P_Miscellaneous	\$102.05	\$112.18	\$106.16	\$95.14	\$59.91		\$94.55
	A_Home_Health_PDN	A_Home_Health_PDN	\$1,381.92	\$1,406.97	\$1,294.95	\$1,379.06	\$1,111.73		\$1,317.72
Other	A_DME	A_DME	\$674.97	\$700.95	\$668.94	\$656.97	\$630.05		\$666.61
	A_Prosthetics	A_Prosthetics	\$143.54	\$158.05	\$149.18	\$134.47	\$203.61		\$149.59
	A_Ambulance	A_Ambulance	\$115.75	\$119.84	\$124.64	\$119.02	\$66.08		\$109.17
	A_Hearing_Aids_Devices	A_Hearing_Aids_Devices	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
	A_Dental	A_Dental	\$0.00	\$0.00	\$0.00	\$0.00	\$0.01		\$0.00
Other - Total			\$953.43	\$1,002.68	\$957.74	\$926.79	\$908.56		\$942.79

Appendix A.4 - Segmentation by type of HH service

Service Category Group	Service Category	Service Subcategory	Non Home Health User	Home Health Utilizers		
				Skilled Only	Low HHA User	High HHA User
Member Months			231,496	115,931	67,479	63,361
Enrollees			22,310	1,293,058	6,264	5,671
Average Member Risk Score			2.67	1.85	2.01	2.27
Average Stay	Inpatient Medical (Stays)		2.70	1.16	1.64	1.39
	Skilled Nursing Facility (Stays)		0.73	0.30	0.59	0.53
Average Length of Stay	Home health (Days)		6.5	6.7	69.0	137.4
	Inpatient Medical (Days)		23.9	6.3	7.1	6.9
	Skilled Nursing Facility (Days)		23.8	25.1	26.6	
Readmissions	90-day Readmission Rate		8.7%	4.8%	5.4%	5.7%
	Total Home Health Claims			2.8	2.8	5.1
	Early Admission (% of Claims)			32.3%	34.0%	15.9%
Home Health Utilization	Total Home Health Services			24.5	31.6	76.8
	Home Health Aids (% of Services)			0.0%	9.3%	34.1%
	Skilled Nursing (% of Services)			50.7%	40.0%	35.3%
	Medical Social Work (% of Services)			0.5%	1.3%	0.5%
	Physical Therapy (% of Services)			35.5%	32.1%	20.2%
	Occupational Therapy (% of Services)			8.6%	13.1%	6.7%
	Speech Pathology (% of Services)			1.7%	1.8%	1.0%
	Other (% of Services)			3.1%	2.4%	2.2%
Condition Prevalence Rates	1: Chronic alcohol and other drug dependence		13.4%	6.0%	6.6%	5.3%
	2: Autoimmune disorders		12.6%	11.5%	12.3%	10.7%
	3: Cancer		29.5%	21.9%	24.2%	20.1%
	4: Cardiovascular disorders		76.5%	60.8%	67.2%	66.4%
	5: Chronic heart failure		54.1%	35.2%	43.9%	41.2%
	6: Dementia		23.4%	20.4%	24.6%	28.5%
	7: Diabetes mellitus		48.8%	37.2%	40.8%	42.5%
	8: End-stage liver disease		26.7%	20.2%	22.5%	22.0%
	9: End-stage renal disease		12.5%	6.0%	6.9%	5.2%
	10: Severe hematologic disorders		36.3%	27.8%	31.3%	29.8%
	11: HIV/AIDS		7.6%	3.7%	4.5%	3.7%
	12: Chronic lung disorders		0.7%	0.3%	0.3%	0.2%
	13: Chronic and disabling mental health condition		40.2%	25.5%	28.8%	28.1%
	14: Neurologic disorders		35.2%	22.5%	26.3%	25.3%
	15: Stroke		33.8%	25.6%	33.0%	36.1%
<b>Total</b>			<b>\$8,590.60</b>	<b>\$4,827.64</b>	<b>\$6,734.80</b>	<b>\$6,471.13</b>
Inpatient Facility	I_Medical_Surgical	I_Medical	\$2,900.42	\$1,129.42	\$1,854.79	\$1,585.85
		I_Surgical	\$1,584.21	\$808.26	\$1,089.34	\$828.17
	I_Maternity	I_Maternity	\$2.29	\$0.15	\$0.00	\$0.15
	I_MHSA	I_MHSA_Mental_Health	\$189.82	\$19.51	\$30.97	\$18.80
		I_MHSA_Substance_Abuse	\$32.27	\$3.00	\$5.86	\$1.30
Outpatient Facility	I_SNF	I_SNF	\$1,206.89	\$457.51	\$1,000.21	\$966.55
	<b>Inpatient - Total</b>		<b>\$5,915.90</b>	<b>\$2,417.85</b>	<b>\$3,981.17</b>	<b>\$3,400.82</b>
	O_Observations	O_Observations	\$18.63	\$17.35	\$21.74	\$19.45
	O_ER	O_ER	\$107.05	\$62.41	\$85.04	\$75.12
	O_Surgery	O_Surgery	\$0.00	\$0.00	\$0.00	\$0.00
		O_Surgery_Hospital	\$111.33	\$178.66	\$119.29	\$86.12
		O_Surgery_Surgical_Center	\$15.88	\$26.88	\$17.37	\$12.05
	O_Radiology	O_Radiology_High_Tech	\$48.50	\$28.52	\$39.09	\$30.65
		O_Radiology_Diagnostic	\$35.17	\$20.71	\$28.69	\$20.00
		O_Radiology_Other	\$45.72	\$27.36	\$37.16	\$25.13
	O_Pathology	O_Laboratory	\$32.25	\$16.58	\$21.77	\$18.62
		O_Cardiovascular	\$69.13	\$39.63	\$34.60	\$31.07
	O_Therapy	O_Therapy	\$100.02	\$28.55	\$35.19	\$26.85
	O_Pharmacy	O_Pharmacy	\$277.21	\$147.11	\$193.70	\$153.93
	O_Dialysis	O_Dialysis	\$11.21	\$69.60	\$73.21	\$75.67
Professional	O_MHSA	O_MHSA_Mental_Health	\$7.02	\$2.46	\$2.06	\$1.44
		O_MHSA_Substance_Abuse	\$0.04	\$0.01	\$0.00	\$0.00
	O_Preventive	O_Preventive	\$2.42	\$1.86	\$2.09	\$1.67
		O_Miscellaneous	\$161.49	\$112.82	\$168.43	\$177.68
	<b>Outpatient - Total</b>		<b>\$1,043.06</b>	<b>\$780.49</b>	<b>\$878.43</b>	<b>\$755.44</b>
	P_IP_Surgery	P_IP_Surgery_Primary_Surgeon	\$60.41	\$43.60	\$52.37	\$35.01
		P_IP_Surgery_Assistant_Surgeon	\$0.49	\$0.50	\$0.43	\$0.37
		P_IP_Surgery_Anesthesia	\$15.43	\$10.39	\$12.36	\$8.54
	P_IP_Maternity	P_IP_Maternity_Vaginal	\$0.03	\$0.00	\$0.00	\$0.00
		P_IP_Maternity_Caesarean	\$0.06	\$0.00	\$0.00	\$0.04
		P_IP_Maternity_Non_Delivery	\$0.00	\$0.00	\$0.00	\$0.00
	P_OP_Surgery	P_OP_Surgery_Hospital	\$29.21	\$29.86	\$23.97	\$21.53
		P_OP_Surgery_Surgical_Center	\$4.20	\$6.32	\$4.19	\$3.45
		P_OP_Surgery_Office	\$31.98	\$39.48	\$35.07	\$42.69
		P_OP_Surgery_Anesthesia	\$7.06	\$7.79	\$6.50	\$5.12
	P_IP_Visits	P_IP_Visits	\$329.89	\$137.85	\$224.55	\$181.69
	P_ER_Visits	P_ER_Visits	\$96.15	\$38.77	\$56.47	\$45.42
	P_Urgent_Care	P_Urgent_Care	\$1.66	\$1.73	\$1.69	\$1.35
Professional	P_Office_Visits	P_Office_Visits_PCP	\$46.44	\$44.40	\$50.45	\$49.43
		P_Office_Visits_Specialist	\$133.48	\$116.19	\$121.33	\$109.84
	P_Cardiovascular	P_Cardiovascular	\$27.86	\$17.14	\$18.37	\$15.61
	P_Physical_Medicine	P_Physical_Medicine	\$24.27	\$32.04	\$30.23	\$26.43
	P_Therapeutic_Injections	P_Therapeutic_Injections	\$260.48	\$213.32	\$185.82	\$283.29
	P_Allergy_Testing	P_Allergy_Testing	\$0.10	\$0.17	\$0.11	\$0.14
	P_Allergy_Immunotherapy	P_Allergy_Immunotherapy	\$0.21	\$0.28	\$0.11	\$0.15
	P_Radiology	P_Radiology_IP_Hospital	\$16.88	\$7.82	\$12.17	\$9.44
		P_Radiology_OP_Hospital	\$33.76	\$21.22	\$25.65	\$23.15
		P_Radiology_Surgical_Center	\$0.03	\$0.03	\$0.02	\$0.03
		P_Radiology_Office	\$30.96	\$34.70	\$33.73	\$27.02
	P_Pathology	P_Pathology_IP_Hospital	\$4.31	\$2.23	\$3.07	\$2.08
		P_Pathology_OP_Hospital	\$37.92	\$35.26	\$32.20	\$38.29
		P_Pathology_Independent_Lab	\$0.03	\$0.04	\$0.04	\$0.03
		P_Pathology_Office	\$8.32	\$8.32	\$6.93	\$7.37
Other	P_MHSA	P_MHSA_Mental_Health	\$14.79	\$7.52	\$10.69	\$9.19
		P_MHSA_Substance_Abuse	\$0.04	\$0.06	\$0.04	\$0.06
	P_Chiro	P_Chiro	\$1.03	\$1.19	\$1.08	\$0.63
	P_Vision	P_Vision	\$8.31	\$8.71	\$8.56	\$8.28
	P_Hearing	P_Hearing	\$1.54	\$1.20	\$1.20	\$0.67
	P_Speech	P_Speech	\$0.00	\$0.00	\$0.00	\$0.00
	P_Preventive	P_Preventive	\$7.77	\$9.47	\$8.28	\$8.34
		P_Miscellaneous	\$109.48	\$67.97	\$93.00	\$114.57
	<b>Professional - Total</b>		<b>\$1,344.57</b>	<b>\$945.59</b>	<b>\$1,061.69</b>	<b>\$1,079.24</b>
	A_Home_Health_PDN	A_Home_Health_PDN	\$0.00	\$504.09	\$577.52	\$981.85
Other	A_DME	A_DME	\$95.03	\$89.65	\$100.17	\$123.41
	A_Prosthetics	A_Prosthetics	\$10.55	\$11.74	\$10.67	\$13.82
	A_Ambulance	A_Ambulance	\$181.47	\$78.23	\$124.14	\$116.54
	A_Hearing_Aids_Devices	A_Hearing_Aids_Devices	\$0.00	\$0.00	\$0.00	\$0.00
	A_Dental	A_Dental	\$0.02	\$0.00	\$0.00	\$0.00
	<b>Other - Total</b>		<b>\$287.07</b>	<b>\$683.71</b>	<b>\$812.51</b>	<b>\$1,235.62</b>