

Complex Care Committee April 24, 2015





Making a Difference

Analysis Overview

- Analysis was performed to identify and evaluate member risk for three MME populations:
 - Population 1: All members includes all members with both Medicare and Medicaid enrollment in CY2013. Total # Members – 52,864.
 - Population 2: All members minus community well members members with low or undetermined risk were removed. Total # Members – 49,640.
 - Population 3: All members minus community well members and SNF members - members with low or undetermined risk and SNF members were removed. Total # Members – 37,939.

Analysis Overview (Cont)

- Each analysis evaluates:
 - Population Age and Gender
 - Average Risk Scores
 - □ Resource Utilization Band (RUB) Distribution
 - □ Average Per Member Per Year (PMPY) costs
 - □ Top Medical Conditions
 - Primary Care Provider Attribution

Analysis Inclusion Criteria

- Medicare and Medicaid Medical claims for services incurred in CY2013
- Medicaid pharmacy data with fill dates in CY2013
- Medicare and Medicaid member eligibility in CY2013

Analysis Exclusion Criteria

- Members enrolled with an ACO 841
- Members enrolled with Medicare Advantage 9,661
- Members not found in CHNCT Medicaid data warehouse 5,599
- Members with Medicare enrollment in CY2013 but no Medicaid enrollment in CY2013 – 5,860
- Part D pharmacy claims due to lack of financial information
- Final # members in dataset 52,864

CareAnalyzer® Risk Methodology

- CareAnalyzer® uses the Johns Hopkins ACG[®] (Adjusted Clinical Group) System logic to identify member risk and severity by aggregating medical claims, and member and provider data.
- Current Relative Risk Score (RRS) is based on a member's diagnostic history, age, and gender during a one-year reporting period.
- RRS represents the cost expectation of an individual compared to the average population. For example, a relative risk score of 1.5 means the individual is expected to cost one and a half time more than the average population.

Resource Utilization Bands for Risk Categories

Based on their risk assignment, members are grouped into one of six Resource Utilization Bands (RUBs) of risk categories:

- 0 No Diagnosis
- 1 Healthy Users
- 2 Low Risk
- 3 Moderate or Emerging Risk
- 4 High Risk
- 5 Very High Risk

Results: Population 1 – All Members

Distribution by Age and Gender

	Ferr	nale	Ma	le	То	tal
Age	#	%	#	%	#	%
Less Than 65	15,116	51.7%	14,103	48.3%	29,219	55.3%
65 and Older	15,532	65.7%	8,113	34.3%	23,645	44.7%
Total	30,648	58.0%	22,216	42.0%	52,864	100.0%

Attribution by Age

		Attributed to a PCP Unattributed Total				
Age	#	%	#	%	#	%
Less than 65	18,417	63.0%	10,802	37.0%	29,219	55.3%
65 and Older	9,217	39.0%	14,428	61.0%	23,645	44.7%
Total	27,634	52.3%	25,230	47.7%	52,864	100.0%

Results: Population 1 – All Members

Resource Utilization Band Distribution

			1			Resou	rce Utilizati	ion Band (RUB)					
)												
	No or only invalid 1		2		3	3		4		5				
	diagnoses Healthy User		Low	Risk	Modera	ate Risk	High	Risk	Very Hi	gh Risk	Tota	al		
	#		#		#		#		#		#		#	
Program	Members	%	Members	%	Members	%	Members	%	Members	%	Members	%	Members	%
HUSKY A	83	1.9%	94	2.2%	146	3.4%	1,417	32.9%	1,423	33.1%	1,142	26.5%	4,305	8.1%
HUSKY C	826	1.7%	1,075	2.2%	962	2.0%	13,144	27.4%	12,674	26.4%	19,329	40.3%	48,010	90.8%
HUSKY D	16	2.9%	12	2.2%	10	1.8%	170	31.0%	155	28.2%	186	33.9%	549	1.0%
Total	925	1.7%	1,181	2.2%	1,118	2.1%	14,731	27.9%	14,252	27.0%	20,657	39.1%	52,864	100.0%

Average Risk Score by RUB

		Resource Utilization Band (RUB)												
	()												
	No or on	ly invalid	1		2		3		4		5			
	diagr	noses	Health	y User	Low	Risk	Modera	ate Risk	High	Risk	Very Hi	Very High Risk		tal
	#	Avg Risk	#	Avg Risk	#	Avg Risk	#	Avg Risk	#	Avg Risk	#	Avg Risk	#	Avg Risk
Program	Members	Score	Members	Score	Members	Score	Members	Score	Members	Score	Members	Score	Members	Score
HUSKY A	83	0.00	94	0.24	146	0.30	1,417	0.56	1,423	0.85	1,142	1.44	4,305	0.86
HUSKY C	826	0.00	1,075	0.24	962	0.31	13,144	0.56	12,674	0.90	19,329	1.51	48,010	1.01
HUSKY D	16	0.00	12	0.22	10	0.28	170	0.57	155	0.89	186	1.51	549	0.95
Total	925	0.00	1,181	0.24	1,118	0.30	14,731	0.56	14,252	0.89	20.657	1.51	52,864	1.00

			_			Resou	rce Utilizat	ion Band	(RUB)					
	(C)												
	No or only invalid		or only invalid 1		2		3		4		5			
	diagr	noses	Health	y User	Low	Risk	Modera	ate Risk	High	Risk	Very Hi	gh Risk	Tot	:al
	#	Avg Cost	#	Avg Cost	#	Avg Cost	#	Avg Cost	#	Avg Cost	#	Avg Cost	#	Avg Cost
Program	Members	PMPY	Members	PMPY	Members	PMPY	Members	PMPY	Members	PMPY	Members	PMPY	Members	PMPY
HUSKY A	83	\$0	94	\$1,949	146	\$2,135	1,417	\$5,101	1,423	\$12,621	1,142	\$33,549	4,305	\$14,866
ниѕкү с	826	\$0	1,075	\$13,315	962	\$17,734	13,144	\$31,627	12,674	\$49,801	19,329	\$80,047	48,010	\$54,686
HUSKY D	16	\$0	12	\$473	10	\$1,329	170	\$9,771	155	\$15,334	186	\$41,853	549	\$21,569
Total	925	\$0	1,181	\$12,280	1,118	\$15,550	14,731	\$28,823	14,252	\$45,714	20,657	\$77,133	52,864	\$51,099

Results: Population 2 - All Members Minus Community Well

Distribution by Age and Gender

	Fen	nale	Ma	le	То	tal
Age	#	%	#	%	#	%
Less Than 65	14,330	52.9%	12,768	47.1%	27,098	54.6%
65 and Older	14,954	66.3%	7,588	33.7%	22,542	45.4%
Total	29,284	59.0%	20,356	41.0%	49,640	100.0%

Attribution by Age

		uted to a PCP				Total		
Age	#	%	#	%	#	%		
Less than 65	17,729	65.4%	9,369	34.6%	27,098	54.6%		
65 and Older	8,976	39.8%	13,566	60.2%	22,542	45.4%		
Total	26,705	53.80%	22,935	46.20%	49,640	100.0%		

Results: Population 2 - All Members Minus Community Well

Resource Utilization Band Distribution

			Resou	urce Utilizati	on Band (RU	В)			
	3			ļ.	Ę	5			
	Moderate Risk		High Risk		Very Hi	gh Risk	Total		
		0/		0/		0/		0/	
Program	# Members	%	# Members	%	# Members	%	# Members	%	
HUSKY A	1,417	35.6%	1,423	35.7%	1,142	28.7%	3,982	8.0%	
HUSKY C	13,144	29.1%	12,674	28.1%	19,329	42.8%	45,147	90.9%	
HUSKY D	170	33.3%	155	30.3%	186	36.4%	511	1.0%	
Total	14,731	29.7%	14,252	28.7%	20,657	41.6%	49,640	100.0%	

Average Risk Score by RUB

			Reso	ource Utilizat	tion Band (RU	В)			
	3	}	4	ļ.	5	5			
	Moderate Risk		High Risk		Very Hi	gh Risk	Total		
		Avg Risk		Avg Risk		Avg Risk		Avg Risk	
Program	# Members	Score	# Members	Score	# Members	Score	# Members	Score	
HUSKY A	1,417	0.53	1,423	0.81	1,142	1.37	3,982	0.87	
ниѕкү с	13,144	0.54	12,674	0.86	19,329	1.44	45,147	1.01	
HUSKY D	170	0.54	155	0.84	186	1.44	511	0.96	
Total	14,731	0.54	14,252	0.85	20,657	1.43	49,640	1.00	

	Resource Utilization Band (RUB)											
	3 Moderate Risk		4 High Risk		5							
					Very Hi	•	Tot					
		Avg Cost		Avg Cost		Avg Cost		Avg Cost				
Program	# Members	PMPY	# Members	PMPY	# Members	PMPY	# Members	PMPY				
HUSKY A	1,417	\$5,101	1,423	\$12 <i>,</i> 621	1,142	\$33,549	3,982	\$15,947				
HUSKY C	13,144	\$31,627	12,674	\$49,801	19,329	\$80,047	45,147	\$57,459				
HUSKY D	170	\$9,771	155	\$15,334	186	\$41,853	511	\$23,136				
Total	14,731	\$28,823	14,252	\$45,714	20,657	\$77,133	49,640	\$53,776				

SNF Members

Distribution by Age and Gender

	Fen	nale	Male		То	tal	
Age	#	%	#	%	#	%	
Less Than 65	907	44.1%	1,149	55.9%	2,056	17.6%	
65 and Older	6,587	68.3%	3,058	31.7%	9,645	82.4%	
Total	7,494	64.0%	4,207	36.0%	11,701	100.0%	

Attribution by Age

		buted PCP	Unattributed		То	otal	
Age	# %		#	%	#	%	
Less than 65	628	30.5%	1,428	69.5%	2,056	17.6%	
65 and Older	849	8.8%	8,796	91.2%	9,645	82.4%	
Total	1,477	12.6%	10,224	87.4%	11,701	100.0%	

Resource Utilization Band Distribution

	Resource Utilization Band (RUB)										
3 Moderate Risk		ے High	l Risk	y Very Hi	Total						
# Members	%	# Members	%	# Members	%	# Members					
988	8.4%	2,481	21.2%	8,232							

Average Risk Score by RUB

-													
	Resource Utilization Band (RUB)												
	3 Moderate Risk		4 High R	isk	5 Very High	n Risk	Total						
	# Members	Avg Risk Score	# Members	Avg Risk	# Members	Avg Risk	# Members	Avg Risk Score					
1		Score	# WEITDELS	Score	# Weilibers	Score	# Weinbers	Score					
	988	0.54	2,481	0.87	8,232	1.48	11,701	1.27					

	Resource Utilization Band (RUB)												
	3			4		5							
	Moder	ate Risk	High Risk		Very	/ High	Total						
	Avg Cost			Avg Cost		Avg Cost		Avg Cost					
	# Members	•	# Members	-	# Members		# Members	-					
	988	\$121,795	2,481	\$108,496	8,232	\$112,980	11,701	\$112,773					

Results: Population 3 - All Members Minus Community Well and SNF

Distribution by Age and Gender

	Fen	nale	Ma	le	Total		
Age	# %		# % # %		%	#	%
Less Than 65	13,423	53.6%	11,619	46.4%	25,042	66.0%	
65 and Older	8,367	64.9%	4,530	35.1%	12,897	34.0%	
Total	21,790	57.4%	16,149	42.6%	37,939	100.0%	

Attribution by Age

		uted to a PCP	Unat	tributed	Total		
Age	#	%	#	%	#	%	
Less than 65	17,101	68.3%	7,941	31.7%	25,042	66.0%	
65 and Older	8,127	63.0%	4,770	37.0%	12,897	34.0%	
Total	25,228	66.5%	12,711	33.5%	37,939	100.0%	

Results: Population - 3 All Members Minus Community Well and SNF

Resource Utilization Band Distribution

		Resource Utilization Band (RUB)												
	3 Moderate Risk			4		5								
			High	Risk	Very Hi	gh Risk	Total							
Program	# Members	%	# Members	%	# Members	%	# Members	%						
HUSKY A	1,417	35.6%	1,423	35.7%	1,142	28.7%	3,982	10.5%						
ниѕкү с	12,156	36.3%	10,193	30.5%	11,097	33.2%	33,446	88.2%						
HUSKY D	170	33.3%	155	30.3%	186	36.4%	511	1.3%						
Total	13,743	36.2%	11,771	31.0%	12,425	32.7%	37,939	100.0%						

Average Risk Score by RUB

	3	3		4		5			
	Modera	ate Risk	High	Risk	Very Hi	gh Risk	Total		
	#	Avg Risk							
Program	Members	Score	Members	Score	Members	Score	Members	Score	
HUSKY A	1,417	0.63	1,423	0.91	1,142	1.47	3,982	0.97	
HUSKY C	12,156	0.62	10,193	0.91	11,097	1.50	33,446	1.00	
HUSKY D	170	0.62	155	0.89	186	1.54	511	1.04	
Total	13,743	0.62	11,771	0.91	12,425	1.50	37,939	1.00	

			Reso	ource Utilizat	tion Band (RL	JB)			
	3 Moderate Risk		3 4 Moderate Risk High Risk		5 Very Hi		Total		
Program	# Members	Avg Cost PMPY	# Members	Avg Cost	# Members	Avg Cost PMPY	# Members	Avg Cost PMPY	
HUSKY A	1,417	\$5,101	1,423	\$12,621	1,142	\$33,549	3,982	\$15,947	
ниѕкү с	12,156	\$24,298	10,193	\$35,514	11,097	\$55,617	33,446	\$38,107	
HUSKY D	170	\$9,771	155	\$15,334	186	\$41,853	511	\$23,136	
Total	13,743	\$22,139	11,771	\$32,481	12,425	\$53,382	37,939	\$35,580	

Results: Top 15 Medical Conditions

Population 1			Population 2			Population 3	Population 3			
	# of	% of		# of	% of		# of	% of		
Description	Members	Members	Description	Members	Members	Description	Members	Members		
Hypertension	30,443	57.6%	Hypertension	30,233	60.9%	Hypertension	21,429	56.5%		
Musculoskeletal signs and			Musculoskeletal signs and							
symptoms	23,748	44.9%	symptoms	23,605	47.6%	Disorders of lipid metabolism	17,678	46.6%		
						Musculoskeletal signs and				
Disorders of lipid metabolism	22,832	43.2%	Disorders of lipid metabolism	22,681	45.7%	symptoms	17,297	45.6%		
Depression	17,547	33.2%	Depression	17,478	35.2%	Depression	11,627	30.6%		
Anxiety, neuroses	16,105	30.5%	Anxiety, neuroses	16,033	32.3%	Diabetes	11,603	30.6%		
Diabetes	15,880	30.0%	Diabetes	15,759	31.7%	Anxiety, neuroses	11,411	30.1%		
Gastroesophageal reflux	13,273	25.1%	Gastroesophageal reflux	13,241	26.7%	Low back pain	11,048	3 29.1%		
Low back pain	12,957	24.5%	Low back pain	12,904	26.0%	Refractive errors	10,405	27.4%		
Musculoskeletal disorders, other	12,592	23.8%	Musculoskeletal disorders, other	12,571	25.3%	Gastroesophageal reflux	9,531	25.1%		
Respiratory signs and symptoms	11,888	22.5%	Respiratory signs and symptoms	11,872	23.9%	Respiratory signs and symptoms	8,465	22.3%		
Refractive errors	11,330	21.4%	Dementia and delirium	11,322	22.8%	Abdominal pain	7,627	20.1%		
Dementia and delirium	11,323	21.4%	Refractive errors	11,184	22.5%	Cardiovascular signs and symptoms	7,540) 19.9%		
Iron deficiency, other deficiency anemias	11,181	21.2%	Iron deficiency, other deficiency anemias	11,168	22.5%	Musculoskeletal disorders, other	7,417	7 19.5%		
Cardiovascular signs and			Cardiovascular signs and							
symptoms	10,341	19.6%	symptoms	10,328	20.8%	Chest pain	6,958	18.3%		
Degenerative joint disease	10,340	19.6%	Degenerative joint disease	10,315	20.8%	Cataract, aphakia	6,747	7 17.8%		

Population 1: All members Population 2: All members minus community well Population 3: All members minus community well and SNF

Questions/Comments