## Minutes

Quality-Based Reimbursement initiative Evaluation Work Group Meeting September 8, 2008 9:00 AM to 10:30 AM

Health Services Cost Review Commission 4160 Patterson Avenue Baltimore, MD 21215

**EWG Members present:** Don S. Hillier, Former Chairman, HSCRC (Vice Chair); Pam Barclay, MHCC; Robert Brooks, MD, PhD, MBA, Delmarva Foundation for Medical Care, Inc.; Barbara Epke, MPH, MA, LifeBridge Health System; Cynthia Hancock, Fort Washington Medical Center; Charles Reuland, ScD, Johns Hopkins Health System; Renee B. Webster, DHMH; Robert Murray, Steve Ports, and Dianne Feeney, HSCRC.

**EWG Members on by conference call**: George Chedraoui, IBM; Julianne R. Howell, PhD, Independent Technical Advisor, CMS; Ernest Moy, MD, AHRQ; Donald M. Steinwachs, PhD, Johns Hopkins Bloomberg School of Public Health.

Interested parties present: Vahe Kazandjian, PhD, Nikolas Matthes, Center for Performance Sciences; Ing-Jye Cheng and Beverly Miller, MHA; Kristen Geisler, Navigant Consulting; Theressa Lee and Carol Christmyer, MHCC.; John S. Hughes, MD, Yale Medical Center/3M; Elizabeth McCullough, 3M; Mary Mussman, DHMH; Lisa Grabert, CMS.

Interested parties on by conference call: Grant Ritter, PhD, Brandeis University; Hal Cohen, Hal Cohen, Inc.; Rena Litten, Western Maryland Health System; Gail Thompson, Kaiser Foundation Health Plan of the Mid-Atlantic States; Sylvia Daniel, University of Maryland Medical Center; Sam Agumbo and Karol Wicker, Center for Performance Sciences; Gerry Macks, MedStar Health; Jean Acuna, Mercy Medical Center.

- Welcome and introduction of EWG members and other participants- Don Hillier called the meeting to order and invited EWG members and interested parties joining the meeting in person and by conference call to introduce themselves.
- Review and approval of the August 11, 2008 meeting minutes Barbara Epke noted that the minutes attribute to her a comment about possibly withholding quality-based payment for periods when hospitals do not meet Medicare Conditions of Participation, and she indicated she commented that the group did need to discuss conditions of participation in the QBR Initiative, but did not comment about payment. Dianne Feeney indicated she would amend the minutes. A motion to approve the minutes as amended was made and seconded with unanimous approval.
- Changes to the New measures discussion (refer to new measures discussion document September 5, 2008 revised draft) Ms. Feeney noted changes to the new

measures discussion document from the previous draft including the clustering of the healthcare-associated measures that were to be added in the nearer term to the MHCC Hospital Performance Guide which specifically include: central line-associated blood stream infection, healthcare worker influenza vaccine rate, Methycillin-Resistant Staphylococcus Aureus screening for ICU patients, and surgical site infection rates. Ms. Feeney noted that the detailed specifications would be provided and that these measures would be discussed at a subsequent meeting in the near term.

• CMS Hospital Acquired Conditions (HAC) Presentation- Ms. Feeney introduced Lisa Grabert, Health Insurance Specialist, Hospital & Ambulatory Policy Group, CMS, and noted that Ms. Grabert has agreed to provide an overview of the CMS approach to adjusting payment for HACs and that this would be helpful in providing some national context as we do our work in Maryland. Ms. Grabert reviewed the content of her slides on HACs and the Present on Admission indicator (see Appendix A).

Robert Murray asked for clarification on the relationship between the HACs and the CMS Value-Based Purchasing (VBP) program. Ms. Grabert noted that some of the HACs may be good candidates for VBP in providing rates of occurrence for certain conditions, e.g., stage III and IV pressure ulcers which are high occurrence conditions in the Medicare population. Mr. Hiller asked for clarification on CMS moving to ICD10 codes, and Ms. Grabert noted the target transition timeframe was 2011 and that CMS would use the ICD9 codes in the interim for identifying pressure ulcers.

Charles Reuland asked how would risk adjustment apply at the individual level, and noted that, when looking at a risk score to compare patients at hospitals by region one can make a broad adjustment, although this is difficult. Vahe Kazandjian asked whether Mr. Reuland was referring to risk adjustment or severity adjustment, as what was described was not looking at types of patients at risk to develop the pressure ulcer, but rather about severity differences when they already have ulcers. Ms. Grabert responded CMS was looking at severity adjustment. Robert Brooks noted that it is an important distinction to make because some conditions that develop are clearly identified for anybody. For others, e.g., deep vein thrombosis or infection after knee surgery, certain patient groups such as those with obesity and diabetes are at higher risk for developing them. Dr. Brooks added that we would not want to set up a pay for performance system that incented physicians to not treat higher risk patients. Dr. Kazandjian added that it is important to keep in mind the relationship between process measures and outcome measures, understanding that all the recommended care can be provided and a complication or bad outcome can occur, and that risk adjustment is a critical component for outcomes.

Mr. Murray asked for clarification on CMS HACs in terms of their preventability. Ms. Grabert clarified that the level of preventability varies by condition, and that the CMS payment policy was attempting to recognize this, and that an additional

complicating factor, e.g., obesity for bariatric surgery, will result in higher payment even if an HAC occurs, because of the presence of the complicating factor.

• 3M Potentially Preventable Complication (PPC) and Potentially Preventable Readmission Rates (PPR)- Dr. John Hughes and Elizabeth McCullough provided an overview of the 3M PPC and PPR development and measurement approaches (see Appendix B).

## PPC Discussion

Dr. Kazandjian noted that the 3M PPCs and PPRs seem to provide a flag for probabilities or potentials of problems that can point toward where additional investigation should be conducted, and that this is more in the spirit of performance improvement. Dr. Hughes responded this is the case, but that is not to say reimbursement policies cannot be devised based on a deviation from rates.

Dr. Kazandjian asked whether reference groups are used to compare observed to expected PPC rates for hospitals. Dr. Hughes responded that, in New York, 3M provides a statewide average as expected as well as regional and peer group averages. Dr. Kazandjian added that a challenge to using observed to expected ratios is whether the expected is what should be expected or what is actually observed but not what should be expected. Dr. Hughes responded that the PPCs are a tool that can be used perhaps for policy purposes. Dr. Kazandjian added that the CMS presentation and HAC approach illustrates their interpretation of the data and its translation into reimbursement policy. Alternatively, the 3M presentation highlighted performance measurement tools based on certain criteria that seem to be well tested and repeatedly verified and that allow users to make determinations on how the data can be used. Mr. Hillier noted that, with fewer hospitals in the state, one outlier hospital's performance can throw off the average/expected value. Ms. McCullough responded that the outlier hospital can be removed from the calculation of the expected value. Mr. Hillier also commented that the target level is not necessarily the expected average value. Ms. McCullough responded that best practice performance levels can be used as the target, and that the largest gains will be achieved when the overall averages come down overall.

Dr. Brooks noted that some of the complications are very rare and asked if there are different statistical methods used for analyzing these small numbers. Ms. McCullough noted that complications can be aggregated to calculate rates, and that the analysis is sensitive to statistically significant differences in actual to expected rates.

## PPR Discussion

Dr. Kazandjian asked how patients are identified across hospitals absent a unique identifier (which Maryland does not have), and asked if probability testing had been done for the patient matching approach, adding that there are now two sets of probabilities, the expected rate of readmission and the patient matching, making interpretation of results challenging. Ms. McCullough responded that, for Florida and other states, 3M has used their unique identifier, and that patient-level data such

as date of birth, zip code, gender, etc. can be used to perform probability matching of patients, adding that data from states with unique identifiers can be used as normative statistics to compare accuracy of the probability matching and the PPR rates. Mr. Murray asked how MHCC was matching patients for the readmission rates that are posted to the Hospital Performance Guide, with Pam Barclay responding that probabilistic matching was used for rates currently being posted, and that Delmarva had developed the algorithm.

Barbara Epke commented that readmissions are very complex in terms of the factors that influence the rates, including such issues as patient compliance, and that they are labor intensive and it is challenging for hospitals to analyze and implement improvement strategies, so selecting readmissions down the road as opposed to the near term may be a better strategy.

Mr. Murray noted that the PPRs may be amenable to measuring by payer/insurer and asked if FL was taking that approach, and Ms. McCullough responded she was not aware that they were at this point.

Pam Barclay asked what states are currently using PPRs. Ms. McCullough responded that the state of Florida and the hospital association worked together to adopt public reporting of PPRs that the state began publishing on the web in June of this year, and added that several states have legislative mandates to look at complications and/or readmissions, and that 3M is actively working with NY and MA and exploring options with various payers on these issues. Ms. McCullough added that the PPC development work in NY goes back 4-5 years, with them going live in April of 2008, and the PPRs went live in December 2007.

- *Next meeting date and time* The group agreed the date of next meeting would be convened when Dr. Hall was available, and that the group would be notified shortly.
- *Adjournment* Mr. Hillier adjourned the meeting at 10:50 AM.

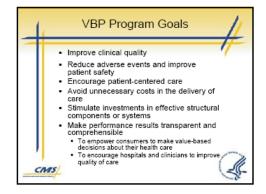
Appendix A: CMS HACs and Present on Admission Indicator Presentation

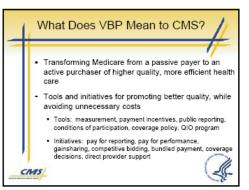


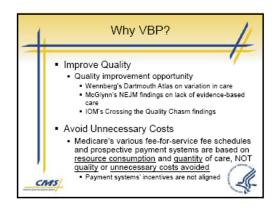


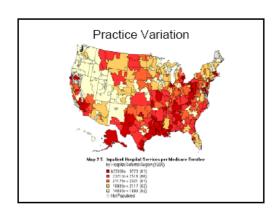


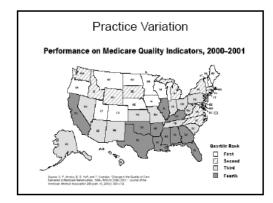


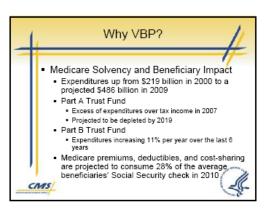


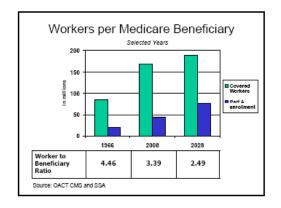


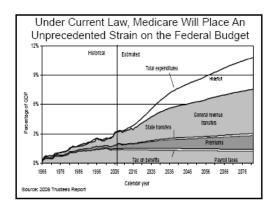


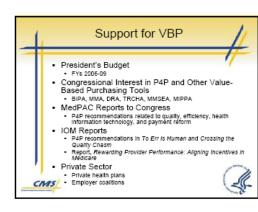




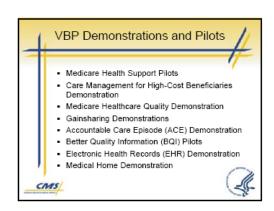


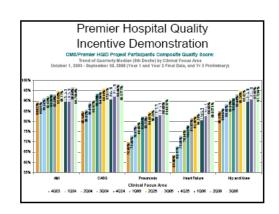


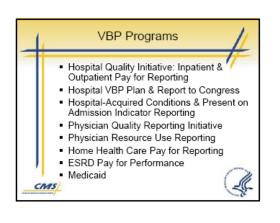




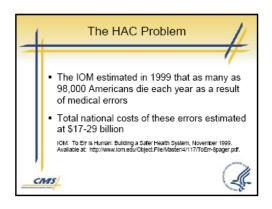


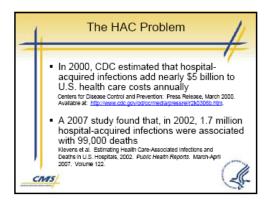


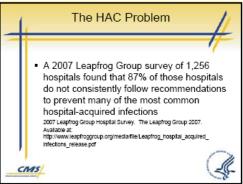


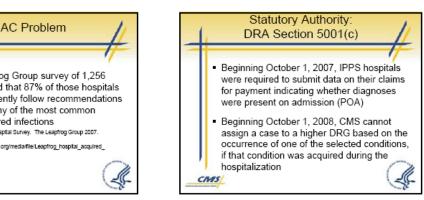


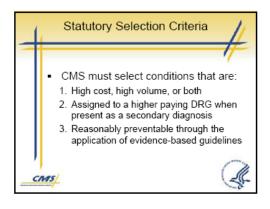


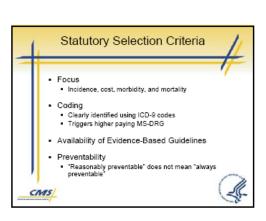


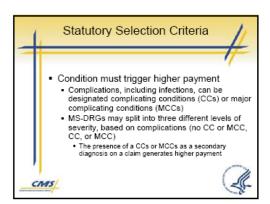




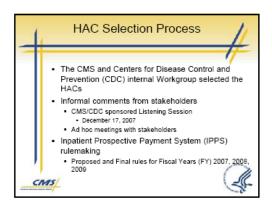


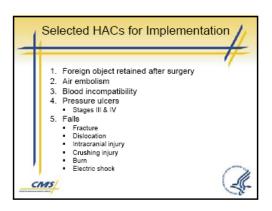


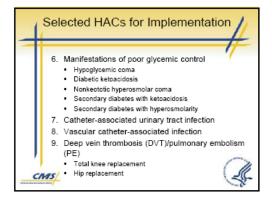


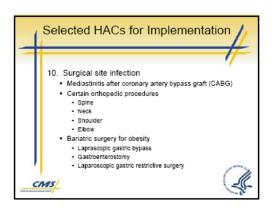


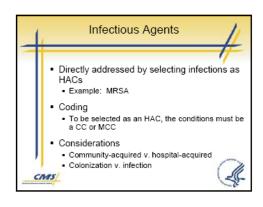
MS-DRG Assignment (Examples for a single secondary diagnosis)	POA Status of Secondary Diagnosis	Average Payment
Principal Diagnosis: MS-DRG 066  Stroke without CC/MCC	-	\$5,347.98
Principal Diagnosis: MS-DRG 065  Stroke with CC Example Secondary Diagnosis:  Injury due to a fall (code 836.4 (CC))	Y	\$6,177.43
Principal Diagnosis: MS-DRG 066  Stroke with CC Example Secondary Diagnosis:  Injury due to a fall (code 836.4 (CC))	N	\$5,347.98
Principal Diagnosis: MS-DRG 064  Stroke with MCC Example Secondary Diagnosis: Stage III pressure ulcer (code 707.23 (MCC))	Y	\$8,030.28
Principal Diagnosis: MS-DRG 066  Stroke with MCC  Example Secondary Diagnosis:  Staze III pressure piler (code 707.23 (MCC))	N	\$5,347.98

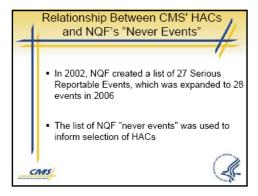






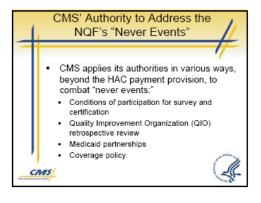


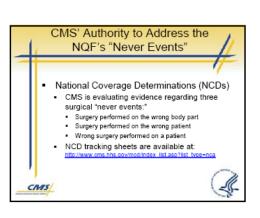


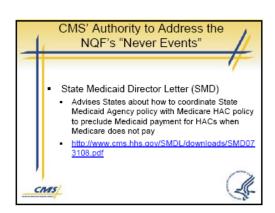


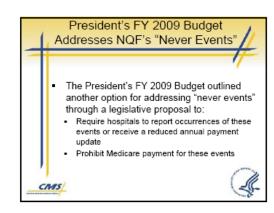


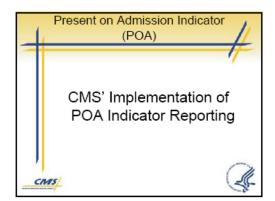


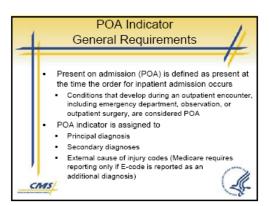




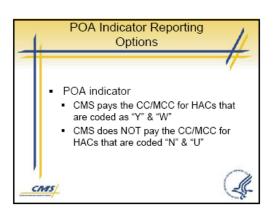


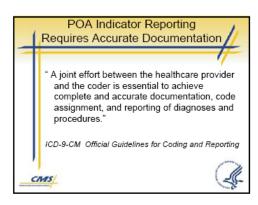


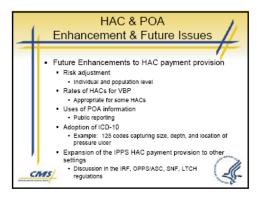




	POA Indicator Reporting Options
POA I	dicator Options and Definitions
Code	Reason for Code
Y	Diagnosis was present at time of inpatient admission.
N	Diagnosis was not present at time of impatient admission.
U	Documentation insufficient to determine if condition was present at the time of inpatient admission.
W	Clinically undetermined. Provider unable to clinically determine whether the condition was present at the time of inpatient admission.
1	Unreported/Not used. Exempt from POA reporting. This code is equivalent code of a blank on the UB-04; however, it was determined that blanks are undesirable when submitting this data via the 4010A.













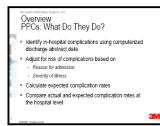


## Appendix B: 3M Presentation on Potentially Preventable Complications and Potentially Preventable Readmissions

















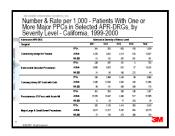


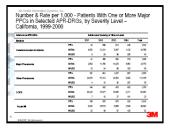


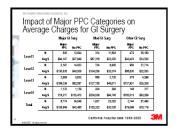






















Assumptions Underlying the Examination of PPRs

Not all readmissions are preventable, but

Patients who have had a protein with the quality of care either during or after a hospitalization will be more likely to be readmissed.

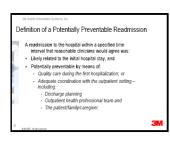
Discharged flows (to oquick Poor of the Charles)

Poor follows pag care

A notice that these types of quality problems will be more likely to have higher rates of readmissions

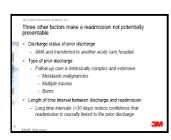
For certain types of patients

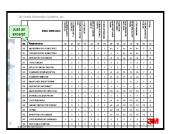
Across the board





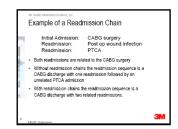










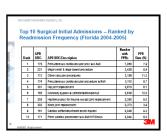


















Admission APR-085	Administra Severity of Bloom Land					
Surgical		50(1	9012	50(1	5014	300
	PPRS	92	581	228	53	1094
Stroke	AL FRICK	1,501	7,385	2,691	217	11,995
	Percent	5.7	7.8	12.1	16.7	87
	PPRH	350	1,774	1,451	112	7,697
Other Programoréa	At First	8,342	20,173	10,407	735	39,657
	Percent	4.1	8.7	13.9	150	9.3
	PPRs	227	1,180	731	157	2,305
CASG without Catholorization	AL FREK	2,542	9,957	3,925	822	17,547
	Percent	7.9	11.8	18.5	20.3	13.1
	PPRs	347	823	573	128	1,771
Acute MI	AL RICK	2,338	5,995	2,990	632	11,955
	Percent	10.5	13.7	19.1	20.2	14.8
	PPRs	411	920	529	109	2.029
Major Large & Small Bowel Procedures	At Rick	5,305	9,245	4,402	915	19,859 31
\$36207 (Romonnel						



