CMS Manual System	**Department of Health & Human Services (DHHS)**
Pub 100-04 Medicare Claims Processing	**Centers for Medicare & Medicaid Services (CMS)**
Transmittal 1883	**Date: December 23, 2009**
	Change Request 6759

SUBJECT: Limitation on Home Health Prospective Payment System (HH PPS) Outlier Payments

I. SUMMARY OF CHANGES: This Change Request describes the 10 percent annual limitation that applies to outlier payments under the HH PPS.

New / Revised Material
Effective Date: January 1, 2010
Implementation Date: January 25, 2010

Disclaimer for manual changes only: The revision date and transmittal number apply only to red italicized material. Any other material was previously published and remains unchanged. However, if this revision contains a table of contents, you will receive the new/revised information only, and not the entire table of contents.

II. CHANGES IN MANUAL INSTRUCTIONS: (N/A if manual is not updated)
R=REVISED, N=NEW, D=DELETED

R/N/D	CHAPTER/SECTION/SUBSECTION/TITLE
R	10/10.1.21/Adjustments of Episode Payment - Outlier Payments
R	10/70.2/Input/Output Record Layout
R	10/70.4/Decision Logic Used by the Pricer on Claims

III. FUNDING:
SECTION A: For Fiscal Intermediaries and Carriers:
No additional funding will be provided by CMS; contractor activities are to be carried out within their operating budgets.

SECTION B: For Medicare Administrative Contractors (MACs):
The Medicare Administrative Contractor is hereby advised that this constitutes technical direction as defined in your contract. CMS does not construe this as a change to the MAC Statement of Work. The contractor is not obligated to incur costs in excess of the amounts allotted in your contract unless and until specifically authorized by the contracting officer. If the contractor considers anything provided, as described above, to be outside the current scope of work, the contractor shall withhold performance on the part(s) in question and immediately notify the contracting officer, in writing or by e-mail, and request formal directions regarding

continued performance requirements.

IV. ATTACHMENTS:

Business Requirements

Manual Instruction

Unless otherwise specified, the effective date is the date of service.

Attachment - Business Requirements

Pub. 100-04	Transmittal: 1883	Date: December 23, 2009	Change Request: 6759

SUBJECT: Limitation on Home Health Prospective Payment System (HH PPS) Outlier Payments

Effective Date: January 1, 2010
Implementation Date: January 25, 2010

I. GENERAL INFORMATION

A. Background: Both the Notice of Proposed Rulemaking (NPRM) and Final Rule regarding 2010 HH PPS payment updates included discussions of the outlier policy. Those rules outlined the rationale for revising outlier payments for calendar year (CY) 2010 to include an annual limitation on outlier payments that can be paid to each home health agency (HHA).

Due to the limited timeframe between the publication of the Final Rule and the implementation date of this policy, instructions for changes to Medicare systems based on the NPRM were provided to Medicare contractors confidentially, subject to change based on public comments. Since the Final Rule implements the limitation as proposed, Medicare contractors will implement those instructions as written. This Change Request serves to provide public notification about those instructions and requires provider education regarding the new policy.

B. Policy: Effective January 1, 2010, for CY 2010, the outlier payments made to each HHA will be subject to an annual limitation. Medicare systems will ensure that outlier payments comprise no more than 10% of the HHA's total HH PPS payments for the year.

II. BUSINESS REQUIREMENTS TABLE

Number	Requirement	Responsibility (place an "X" in each applicable column)									
		A/B MAC	DME MAC	FI	CARRIER	RHHI	Shared-System Maintainers				OTHER
							FISS	MCS	VMS	CWF	
6759.1	Medicare contractors shall be aware of the information regarding the outlier limitation in Pub. 100-04, Medicare Claims Processing Manual, chapter.10.					X					HH MAC
6759.2	Medicare contractors shall inform HHAs that claims subject to the outlier limitation will be identified on remittance advices using claim adjustment reason code 45.					X					HH MAC

III. PROVIDER EDUCATION TABLE

Number	Requirement	Responsibility (place an "X" in each applicable column)									
		A/B MAC	DME MAC	FI	CARRIER	RHHI	Shared-System Maintainers				OTHER
							FISS	MCS	VMS	CWF	
6759.3	A provider education article related to this instruction will be available at http://www.cms.hhs.gov/MLNMattersArticles/ shortly after the CR is released. You will receive notification of the article release via the established "MLN Matters" listserv. Contractors shall post this article, or a direct link to this article, on their Web site and include information about it in a listserv message within 1 week of the availability of the provider education article. In addition, the provider education article shall be included in your next regularly scheduled bulletin. Contractors are free to supplement MLN Matters articles with localized information that would benefit their provider community in billing and administering the Medicare program correctly.					X					HH MAC

IV. SUPPORTING INFORMATION

Section A: For any recommendations and supporting information associated with listed requirements, use the box below:

X-Ref Requirement Number	Recommendations or other supporting information:
	N/A

Section B: For all other recommendations and supporting information, use this space: N/A

V. CONTACTS

Pre-Implementation Contact(s): Wil Gehne, wilfried.gehne@cms.hhs.gov, 410-786-6148 or Yvonne Young, yvonne.young@cms.hhs.gov, 410-786-1886

Post-Implementation Contact(s): Appropriate Regional Office.

VI. FUNDING

Section A: For *Fiscal Intermediaries (FIs), Regional Home Health Intermediaries (RHHIs),* and/or *Carriers*

No additional funding will be provided by CMS; contractor activities are to be carried out within their operating budgets.

Section B: *For Medicare Administrative Contractors (MACs),* include the following statement:

The Medicare Administrative Contractor is hereby advised that this constitutes technical direction as defined in your contract. CMS does not construe this as a change to the MAC Statement of Work. The contractor is not obligated to incur costs in excess of the amounts allotted in your contract unless and until specifically authorized by the contracting officer. If the contractor considers anything provided, as described above, to be outside the current scope of work, the contractor shall withhold performance on the part(s) in question and immediately notify the contracting officer, in writing or by e-mail, and request formal directions regarding continued performance requirements.

10.1.21 - Adjustments of Episode Payment - Outlier Payments

(Rev. 1883; Issued: 12-23-09; Effective Date: 01-01-10; Implementation Date: 01-25-10)

HH PPS payment groups are based on averages of home care experience. When cases "lie outside" expected experience by involving an unusually high level of services in 60-day periods, Medicare claims processing systems will provide extra or "outlier" payments in addition to the case-mix adjusted episode payment. Outlier payments can result from medically necessary high utilization in any or all of the service disciplines.

Outlier determinations will be made by comparing the **total of the products** of:

- The number of visits of each discipline on the claim **and** each wage-adjusted national standardized per visit rate for each discipline; with

- The **sum** of the episode payment **and** a wage-adjusted standard fixed loss threshold amount.

If the total product of the number of the visits and the national standardized visit rates is greater than the case-mix specific payment amount plus the fixed loss threshold amount, a set percentage (the loss sharing ratio) of the amount by which the product exceeds the sum will be paid to the HHA as an outlier payment in addition to the episode.

Outlier payment amounts are wage index adjusted to reflect the CBSA in which the beneficiary was served. Outlier payments are to be made for specific episode claims. The outlier payment is a payment for an entire episode, and therefore carried only at the claim level in paid claim history; and not allocated to specific lines of the claim.

HHAs do not submit anything on their claims to be eligible for outlier consideration. The outlier payment will be included in the total payment for the episode claim on a remittance, but it will be identified separately on the claim in history using value code 17 with an associated dollar amount representing the outlier payment.

Outlier payments will also appear on the electronic remittance advice in a separate segment. The term outlier has been used in the past by Medicare to address exceptional cases both in terms of cost and length of stay. While there is a cost outlier, there is no need for a long stay outlier payment for HH PPS, because the number of continuous episodes of care for eligible beneficiaries is unlimited.

Effective January 1, 2010, for calendar year 2010, the outlier payments made to each HHA will be subject to an annual limitation. Medicare systems will ensure that outlier payments comprise no more than 10% of the HHA's total HH PPS payments for the year. Medicare systems will track both the total amount of HH PPS payments that each HHA has received and the total amount of outlier payments that each HHA has received. When each HH PPS claim is processed, Medicare systems will compare these two amounts and determine whether the 10% has currently been met.

If the limitation has not yet been met, any outlier amount will be paid normally. (Partial outlier payments will not be made. Only if the entire outlier payment on the claim does not result in the limitation being met, will outlier payments be made for a particular claim.) If the limitation has been met or would be exceeded by the outlier amount calculated for the current claim, other HH PPS amounts for the episode will be paid but any outlier amount will not be paid. When the calculated outlier amount is not paid, HHAs will be alerted to this by the presence of claim adjustment reason code 45 on the accompanying remittance advice. This code is defined: "Charge exceeds fee schedule/maximum allowable or contracted/legislated fee arrangement."

Since the payment of subsequent claims may change whether an HHA has exceeded the limitation over the course of the timely filing period, Medicare systems will conduct a quarterly reconciliation process. All claims where an outlier amount was calculated but not paid when the claim was initially processed will be reprocessed to determine whether the outlier has become payable. If the outlier can be paid, the claim will be adjusted to increase the payment by the outlier amount.

These adjustments will appear on the HHA's remittance advice with a type of bill code that indicates a contractor-initiated adjustment (type of bill 3XI) and the coding that typically identifies outlier payments. This quarterly reconciliation process occurs four times per year, in February, May, August and November.

70.2 - Input/Output Record Layout

(Rev. 1883; Issued: 12-23-09; Effective Date: 01-01-10; Implementation Date: 01-25-10)

The HH Pricer input/output file is *500* bytes in length. The required data and format are shown below:

File Position	Format	Title	Description
1-10	X(10)	NPI	This field will be used for the National Provider Identifier *if it is sent to the HH Pricer in the future.*
11-22	X(12)	HIC	Input item: The Health Insurance Claim number of the beneficiary, copied from the claim form.
23-28	X(6)	PROV-NO	Input item: The six-digit OSCAR system provider number, copied from the claim form.
29-31	X(3)	TOB	Input item: The TOB code, copied from the claim form.
32	X	PEP-INDICATOR	Input item: A single Y/N character to indicate if a claim must be paid a partial episode payment (PEP) adjustment. Medicare claims processing systems must set a Y if the patient discharge status code of the claim is 06. An N is set in all other

File Position	Format	Title	Description
			cases.
33-35	9(3)	PEP-DAYS	Input item: The number of days to be used for PEP payment calculation. Medicare claims processing systems determine this number by the span of days from and including the first line item service date on the claim to and including the last line item service date on the claim.
36	X	INIT-PAY-INDICATOR	Input item: A single character to indicate if normal percentage payments should be made on RAP or whether payment should be based on data drawn by the Medicare claims processing systems from field 19 of the provider specific file. Valid values: 0 = Make normal percentage payment 1 = Pay 0% 2 = Make final payment reduced by 2% 3 = Make final payment reduced by 2%, pay RAPs at 0%
37-43	X(7)	FILLER	Blank.
44-46	X(2)	FILLER	Blank.
47-50	X(5)	CBSA	Input item: The core based statistical area (CBSA) code, copied from the value code 61 amount on the claim form.
51-52	X(2)	FILLER	Blank.
53-60	X(8)	SERV-FROM-DATE	Input item: The statement covers period “From” date, copied from the claim form. Date format must be CCYYMMDD.
61-68	X(8)	SERV-THRU DATE	Input item: The statement covers period “through” date, copied from the claim form. Date format must be CCYYMMDD.
69-76	X(8)	ADMIT-DATE	Input item: The admission date, copied from claim form. Date format must be CCYYMMDD.
77	X	HRG-MED - REVIEW - INDICATOR	Input item: A single Y/N character to indicate if a HIPPS code has been changed by medical review. Medicare claims processing systems must set a Y if an ANSI code on the line item indicates a medical review change. An N must be set in all other cases.
78-82	X(5)	HRG-INPUT-CODE	Input item: Medicare claims processing systems must copy the HIPPS code reported by the provider on each 0023 revenue code line. If an

File Position	Format	Title	Description
			ANSI code on the line item indicates a medical review change, Medicare claims processing systems must copy the additional HIPPS code placed on the 0023 revenue code line by the medical reviewer.
83-87	X(5)	HRG - OUTPUT - CODE	Output item: The HIPPS code used by the Pricer to determine the payment amount on the claim. This code will match the input code in all cases except when the therapy threshold for the claim was not met.
88-90	9(3)	HRG-NO-OF - DAYS	Input item: A number of days calculated by the shared systems for each HIPPS code. The number is determined by the span of days from and including the first line item service date provided under that HIPPS code to and including the last line item service date provided under that HIPPS code.
91-96	9(2)V9(4)	HRG-WGTS	Output item: The weight used by the Pricer to determine the payment amount on the claim.
97-105	9(7)V9(2)	HRG-PAY	Output item: The payment amount calculated by the Pricer for each HIPPS code on the claim.
106-250	Defined above	Additional HRG data	Five more occurrences of all HRG/HIPPS code related fields defined above, since up to six HIPPS codes can be automatically processed for payment in any one episode.
251-254	X(4)	REVENUE - CODE	Input item: One of the six home health discipline revenue codes (042X, 043X, 044X, 055X, 056X, 057X). All six revenue codes must be passed by the Medicare claims processing systems even if the revenue codes are not present on the claim.
255-257	9(3)	REVENUE-QTY - COV-VISITS	Input item: A quantity of covered visits corresponding to each of the six revenue codes. Medicare claims processing systems must count the number of covered visits in each discipline on the claim. If the revenue codes are not present on the claim, a zero must be passed with the revenue code.
258-266	9(7)V9(2)	REVENUE - DOLL-RATE	Output item: The dollar rates used by the Pricer to calculate the payment for the visits in each discipline if the claim is paid as a low utilization payment adjustment (LUPA). Otherwise, the dollar rates used by the Pricer to impute the costs of the claim for purposes of calculating an outlier payment, if any.

File Position	Format	Title	Description	
267-275	9(7)V9(2)	REVENUE - COST	Output item: The dollar amount determined by the Pricer to be the payment for the visits in each discipline if the claim is paid as a LUPA. Otherwise, the dollar amounts used by the Pricer to impute the costs of the claim for purposes of calculating an outlier payment, if any.	
276-400	Defined above	Additional REVENUE data	Five more occurrences of all REVENUE related data defined above.	
401-402	9(2)	PAY-RTC	Output item: A return code set by Pricer to define the payment circumstances of the claim or an error in input data.	
			Payment return codes:	
			00	Final payment where no outlier applies
			01	Final payment where outlier applies
			03	Initial percentage payment, 0%
			04	Initial percentage payment, 50%
			05	Initial percentage payment, 60%
			06	LUPA payment only
			07	Final payment, SCIC
			08	Final payment, SCIC with outlier
			09	Final payment, PEP
			11	Final payment, PEP with outlier
			12	Final payment, SCIC within PEP
			13	Final payment, SCIC within PEP with outlier
			14	LUPA payment, 1st episode add-on payment applies
			Error return codes:	
			10	Invalid TOB
			15	Invalid PEP days
			16	Invalid HRG days, *greater than* 60
			20	PEP indicator invalid
			25	Med review indicator invalid
			30	Invalid MSA/CBSA code
			35	Invalid Initial Payment Indicator
			40	Dates *before* Oct 1, 2000 or invalid
			70	Invalid HRG code
			75	No HRG present in 1st occurrence
			80	Invalid revenue code
			85	No revenue code present on 3x9 or adjustment TOB
403-407	9(5)	REVENUE - SUM 1-3-	Output item: The total therapy visits used by the Pricer to determine if the therapy threshold was	

File Position	Format	Title	Description
		QTY-THR	met for the claim. This amount will be the total of the covered visit quantities input in association with revenue codes 042x, 043x, and 044x.
408-412	9(5)	REVENUE - SUM 1-6- QTY-ALL	Output item: The total number of visits used by the Pricer to determine if the claim must be paid as a LUPA. This amount will be the total of all the covered visit quantities input with all six HH discipline revenue codes.
413-421	9(7)V9(2)	OUTLIER - PAYMENT	Output item: The outlier payment amount determined by the Pricer to be due on the claim in addition to any HRG payment amounts.
422-430	9(7)V9(2)	TOTAL - PAYMENT	Output item: The total payment determined by the Pricer to be due on the RAP or claim.
431-435	9(3)V9(2)	LUPA-ADD-ON- PAYMENT	Output item: The add-on amount to be paid for LUPA claims that are the first episode in a sequence. This amount is added by the Shared System to the payment for the first visit line on the claim.
436	X	LUPA-SRC-ADM	Input Item: The source of admission code on the RAP or claim.
437	X	RECODE-IND	Input Item: A recoding indicator set by Medicare claims processing systems in response to the Common Working File identifying that the episode sequence reported in the first position of the HIPPS code must be changed. Valid values: 0 = default value 1 = HIPPS code shows later episode, should be early episode 2 = HIPPS code shows early episode, but this is not a first or only episode 3 = HIPPS code shows early episode, should be later episode
438	9	EPISODE-TIMING	Input item: A code indicating whether a claim is an early or late episode. Medicare systems copy this code from the 10th position of the treatment authorization code. Valid values: 1 = early episode 2 = late episode

File Position	Format	Title	Description
439	X	CLINICAL-SEV-EQ1	Input item: A hexivigesimal code that converts to a number representing the clinical score for this patient calculated under equation 1 of the case-mix system. Medicare systems copy this code from the 11th position of the treatment authorization code.
440	X	FUNCTION-SEV-EQ1	Input item: A hexivigesimal code that converts to a number representing the functional score for this patient calculated under equation 1 of the case-mix system. Medicare systems copy this code from the 12th position of the treatment authorization code.
441	X	CLINICAL-SEV-EQ2	Input item: A hexivigesimal code that converts to a number representing the clinical score for this patient calculated under equation 2 of the case-mix system. Medicare systems copy this code from the 13th position of the treatment authorization code.
442	X	FUNCTION-SEV-EQ2	Input item: A hexivigesimal code that converts to a number representing the functional score for this patient calculated under equation 2 of the case-mix system. Medicare systems copy this code from the 14th position of the treatment authorization code.
443	X	CLINICAL-SEV-EQ3	Input item: A hexivigesimal code that converts to a number representing the clinical score for this patient calculated under equation 3 of the case-mix system. Medicare systems copy this code from the 15th position of the treatment authorization code.
444	X	FUNCTION-SEV-EQ3	Input item: A hexivigesimal code that converts to a number representing the functional score for this patient calculated under equation 3 of the case-mix system. Medicare systems copy this code from the 16th position of the treatment authorization code.
445	X	CLINICAL-SEV-EQ4	Input item: A hexivigesimal code that converts to a number representing the clinical score for this patient calculated under equation 4 of the case-mix system. Medicare systems copy this code from the 17th position of the treatment authorization code.
446	X	FUNCTION-SEV-EQ4	Input item: A hexivigesimal code that converts to a number representing the functional score for this

File Position	Format	Title	Description
			patient calculated under equation 4 of the case-mix system. Medicare systems copy this code from the 18th position of the treatment authorization code.
447-456	*9(8)V99*	*PROV-OUTLIER-PAY-TOTAL*	*Input item: The total amount of outlier payments that have been made to this HHA during the current calendar year.*
456 - 466	*9(8)V99*	*PROV-PAYMENT-TOTAL*	*Input item: The total amount of HH PPS payments that have been made to this HHA during the current calendar year.*
467-500	*X(34)*	*FILLER*	

Input records on RAPs will include all input items except for "REVENUE" related items, and input records on RAPs will never report more than one occurrence of "HRG" related items. Input records on claims must include all input items. Output records will contain all input and output items. If an output item does not apply to a particular record, Pricer will return zeroes.

The Medicare claims processing systems will move the following Pricer output items to the claim record. The return code will be placed in the claim header. The HRG-PAY amount for each HIPPS code will be placed in the total charges and the covered charges field of the appropriate revenue code 0023 line. The OUTLIER-PAYMENT amount, if any, will be placed in a value code 17, Amount. If the return code is 06 (indicating a low utilization payment adjustment), the Medicare claims processing systems will apportion the REVENUE-COST amounts to the appropriate line items in order for the per-visit payments to be accurately reflected on the remittance advice.

70.4 - Decision Logic Used by the Pricer on Claims

(Rev. 1883; Issued: 12-23-09; Effective Date: 01-01-10; Implementation Date: 01-25-10)

A. The following calculations shall apply to claims with "From" dates on or after October 1, 2000, and before January 1, 2008. For calculations which apply to claims with "From" dates on or after January 1, 2008, see subsection B below.

On input records with TOB 329, 339, 327, 337, 32F, 33F, 32G, 33G, 32H, 33H, 32I, 33I, 32J, 33J, 32K, 33K, 32M, 33M, 32P, or 33P (that is, all provider submitted claims and provider or FI initiated adjustments), Pricer will perform the following calculations in the numbered order.

Prior to these calculations, determine the applicable Federal standard episode rate to apply by reading the value in "INIT-PYMNT-INDICATOR." If the value is 0 or 1, use the full standard episode rate in subsequent calculations. If the value is 2 or 3, use the

standard episode rate which has been reduced by 2% due to the failure of the provider to report required quality data.

1. Low Utilization Payment Adjustment (LUPA) calculation.

    a. If the "REVENUE-SUM1-6-QTY-ALL" (the total of the 6 revenue code quantities, representing the total number of visits on the claim) is less than 5, read the national standard per visit rates for each of the six "REVENUE-QTY-COV-VISITS" fields from the revenue code table for the Federal fiscal year in which the "SERV-THRU-DATE" falls. Multiply each quantity by the corresponding rate. Wage index adjust and sum the six products. The result is the total payment for the episode.

    Return this amount in the "TOTAL-PAYMENT" field with return code 06. No further calculations are required.

    b. If "REVENUE-SUM1-6-QTY-ALL" is greater than or equal to 5, proceed to the therapy threshold determination.

2. Therapy threshold determination.

    a. If the "REVENUE-SUM1-3-QTY-THR" (the total of the quantities associated with therapy revenue codes, 042x, 043x, 044x, which will be passed from the shared systems sorted in this order) is less than 10, perform the following:

    If the "MED-REVIEW-INDICATOR" is a Y for any HRG, do not alter the HIPPS code reported in "HRG-INPUT-CODE." Copy that code to the "HRG-OUTPUT-CODE" field. Proceed to the next HRG occurrence.

    If "MED-REVIEW-INDICATOR" is an N for any HRG, read the table of HIPPS codes for the Federal fiscal year in which the "SERV-THRU-DATE" falls. The table of HIPPS codes in the Pricer is arranged in two columns. The first column contains all 640 HIPPS codes. For each code in the first column, the second column shows the code to be used for payment if the therapy threshold is not met. If the code in first column matches the code in the second column (indicating the therapy threshold does not need to be met for that code), copy the code from the first column to the "HRG-OUTPUT-CODE" field.

    If the code in the first column does not match the code in the second column (indicating the therapy threshold is unmet for that code), place the code from the second column in the "HRG-OUTPUT-CODE" field.

    b. If "HHA-REVENUE-SUM1-3-QTY-THR" is greater than or equal to 10: Copy all "HRG-INPUT-CODE" entries to the "HRG-OUTPUT-CODE"

fields. Proceed to HRG payment calculations. Use the weights associated with the codes in the "HRG-OUTPUT-CODE fields for all further calculations involving each HRG.

3. HRG payment calculations.

   a. If the "HRG-OUTPUT-CODE" occurrences are less than 2, and the "PEP-INDICATOR" is an N:

      Find the weight for the "HRG-OUTPUT-CODE" from weight table for the Federal fiscal year in which the "SERV-THRU-DATE" falls. Multiply the weight times the Federal standard episode rate for the Federal fiscal year in which the "SERV-THRU-DATE" falls. The product is the case-mix adjusted rate. Multiply the case-mix adjusted rate by the current labor-related percentage (which is updated via Recurring Update Notifications, per section 70.5 below) to determine the labor portion. Multiply the labor portion by the wage index corresponding to "MSA1." Multiply the case-mix adjusted rate by the current nonlabor-related percentage (which is updated via Recurring Update Notifications, per section 70.5 below) to determine the nonlabor portion. Sum the labor and nonlabor portions. The sum is the wage index and case-mix adjusted payment for this HRG.

      Proceed to the outlier calculation (see 4 below).

   b. If the "HRG-OUTPUT-CODE" occurrences are less than 2, and the "PEP-INDICATOR" is a Y:

      Perform the calculation of the case-mix and wage index adjusted payment for the HRG, as above. Determine the proportion to be used to calculate this partial episode payment (PEP) by dividing the "PEP-DAYS" amount by 60. Multiply the case-mix and wage index adjusted payment by this proportion. The result is the PEP payment due on the claim. Proceed to the outlier calculation (4 below).

   c. If the "HRG-OUTPUT-CODE" occurrences are greater than or equal to 2, and the "PEP-INDICATOR" is an N:

      Perform the calculation of the case-mix and wage index adjusted payment for each HRG, as above. Multiply each of the resulting amounts by the number of days in the "HRG-NO-OF-DAYS" field for that code divided by 60. Repeat this for up to six occurrences of the "HRG-OUTPUT-CODE." These amounts will be returned in separate occurrence of the "HRG-PAY" fields, so that the shared systems can associate them to the claim 0023 lines and pass the amounts to the remittance advice. Therefore each amount must be wage index adjusted separately. Sum all resulting

dollar amounts. This is the total HRG payment for the episode. Proceed to the outlier calculation (see 4 below).

d. If the "HRG-OUTPUT-CODE" occurrences are greater than or equal to 2, and the "PEP-INDICATOR" is a Y:

Perform the calculation of the case-mix and wage index adjusted payment for each HRG, as above. Multiply each of the resulting amounts by the quantity in the "PEP -DAYS" field divided by 60. Multiply the result by the quantity in the "HRG-NO-OF-DAYS" field divided by the quantity in the "PEP-DAYS" field. Repeat this for up to six occurrences of "HRG-CODE." These amounts will be returned separately in the corresponding "HRG-PAY" fields. Sum all resulting dollar amounts. This is total HRG payment for the episode. Proceed to the outlier calculation (see 4 below).

4. Outlier calculation:

a. Wage index adjust the outlier fixed loss amount for the Federal fiscal year in which the "SERV-THRU-DATE" falls, using the MSA code in the "MSA1" field. Add the resulting wage index adjusted fixed loss amount to the total dollar amount resulting from all HRG payment calculations. This is the outlier threshold for the episode.

b. For each quantity in the six "REVENUE-QTY-COV-VISITS" fields, read the national standard per visit rates from revenue code table for the Federal fiscal year in which the "SERV-THRU-DATE" falls. Multiply each quantity by the corresponding rate. Sum the six results and wage index adjust this sum as described above, using the MSA code in the "MSA1" field. The result is the wage index adjusted imputed cost for the episode.

c. Subtract the outlier threshold for the episode from the imputed cost for the episode.

d. If the result is greater than $0.00, calculate .80 times the result. Return this amount in the "OUTLIER-PAYMENT" field. Add this amount to the total dollar amount resulting from all HRG payment calculations. Return the sum in the "TOTAL-PAYMENT" field, with return code 01.

e. If the result is less than or equal to $0.00, the total dollar amount resulting from all HRG payment calculations is the total payment for the episode. Return zeroes in the "OUTLIER-PAYMENT" field. Return the total of all HRG payment amounts in the "TOTAL-PAYMENT" field, with return code 00.

B. The following calculations shall apply to claims with "From" dates on or after January 1, 2008.

On input records with TOB 329, 339, 327, 337, 32F, 33F, 32G, 33G, 32H, 33H, 32I, 33I, 32J, 33J, 32K, 33K, 32M, 33M, 32P, or 33P (that is, all provider submitted claims and provider or FI initiated adjustments), Pricer will perform the following calculations in the numbered order.

Prior to these calculations, determine the applicable Federal standard episode rate to apply by reading the value in "INIT-PYMNT-INDICATOR." If the value is 0 or 1, use the full standard episode rate in subsequent calculations. If the value is 2 or 3, use the standard episode rate which has been reduced by 2% due to the failure of the provider to report required quality data.

1. Low Utilization Payment Adjustment (LUPA) calculation.

    a. If the "REVENUE-SUM1-6-QTY-ALL" (the total of the 6 revenue code quantities, representing the total number of visits on the claim) is less than 5, read the national standard per visit rates for each of the six "REVENUE-QTY-COV-VISITS" fields from the revenue code table for the Federal fiscal year in which the "SERV-THRU-DATE" falls. Multiply each quantity by the corresponding rate. Wage index adjust each value and report the payment in the associated "REVENUE-COST" field.

    If the following conditions are met, calculate an additional LUPA add-on payment:

    - the dates in the "SERV-FROM-DATE" and "ADMIT-DATE" fields match
    - the first position of the HIPPS code is a 1 or a 2
    - the value in "LUPA-SRC-ADM" is not a B or C AND
    - the value in "RECODE-IND" is not a 2.

    Wage index adjust the current LUPA add-on amount (published via Recurring Update Notification) and return this amount in the "LUPA-ADD-ON-PAYMENT" field.

    Return the sum of all "REVENUE-COST" amounts in the "TOTAL-PAYMENT" field. If the LUPA payment includes LUPA add-on amount, return 14 in the "PAY-RTC" field. Otherwise, return 06 in the "PAY-RTC" field. These distinct return codes assist the shared systems in apportioning visit payments to claim lines. No further calculations are required.

b. If "REVENUE-SUM1-6-QTY-ALL" is greater than or equal to 5, proceed to the recoding process in step 2.

2. Recoding of claims based on episode sequence and therapy thresholds.

a. Read the "RECODE-IND." If the value is 0, proceed to step c below.

If the value in "RECODE-IND" is 1, find the number of therapy services reported in "REVENUE - SUM 1-3-QTY-THR." If the number of therapy services is in the range 0-13, recode the first position of the HIPPS code to 1. If the number of therapy services is in the range 14-19, recode the first position of the HIPPS code to 2.

If the value in "RECODE-IND" is 3, find the number of therapy services reported in "REVENUE - SUM 1-3-QTY-THR." If the number of therapy services is in the range 0-13, recode the first position of the HIPPS code to 3. If the number of therapy services is in the range 14-19, recode the first position of the HIPPS code to 4.

b. Read the alphabetic values in the "CLINICAL-SEV-EQ" field and "FUNCTION-SEV-EQ" field for which the number at the end of the field names corresponds to the recoded first position of the HIPPS code determined in step a. Translate the alphabetic value from a hexavigesimal code to its corresponding numeric value. These are the severity scores in the clinical and functional domains of the case mix model under the payment equation that applies to the claim.

If the recoded first position of the HIPPS code is 1, use the numeric values for the clinical and functional severity levels and the number of therapy visits in the "REVENUE - SUM 1-3-QTY-THR" field to recode the 2nd, 3rd and 4th positions of the HIPPS code as follows.

- recode the 2nd position of the HIPPS code according to the table below:

Treatment Authorization Code position 11 – CLINICAL-SEV-EQ1 value	CLINICAL-SEV-EQ1 converted point value	Clinical Severity Level	Resulting HRG - OUTPUT – CODE 2nd position value
A thru D	0-4	C1 (Min)	A
E thru H	5-8	C2 (Low)	B
I +	9+	C3 (Mod)	C

- recode the 3rd position of the HIPPS code according to the table below:

Treatment Authorization Code position 12 – FUNCTION-SEV-EQ1 value	FUNCTION-SEV-EQ1 converted point value	Functional Severity Level	Resulting HRG - OUTPUT – CODE 3rd position value
A thru E	0-5	F1 (Min)	F
F	6	F2 (Low)	G
G +	7+	F3 (Mod)	H

- change the 4th position of the HIPPS code according to the table below:

REVENUE - SUM 1-3-QTY-THR value	Resulting HRG - OUTPUT – CODE 4th position value
0-5	K
6	L
7-9	M
10	N
11-13	P

If the recoded first position of the HIPPS code is 2, use the numeric values for the clinical and functional severity levels and the number of therapy visits in the "REVENUE - SUM 1-3-QTY-THR" field to recode the 2nd, 3rd and 4th positions of the HIPPS code as follows:

- recode the 2nd position of the HIPPS code according to the table below:

Treatment Authorization Code position 13 – CLINICAL-SEV-EQ2 value	CLINICAL-SEV-EQ2 converted point value	Clinical Severity Level	Resulting HRG - OUTPUT – CODE 2nd position value
A thru F	0-6	C1 (Min)	A
G thru N	7-14	C2 (Low)	B
O+	15+	C3 (Mod)	C

- recode the 3rd position of the HIPPS code according to the table below:

Treatment Authorization Code position 14 – FUNCTION-SEV-	FUNCTION-SEV-EQ2 converted point value	Functional Severity Level	Resulting HRG - OUTPUT – CODE 3rd position value

EQ2 value			
A thru F	0-6	F1 (Min)	F
G	7	F2 (Low)	G
H +	8+	F3 (Mod)	H

- change the 4th position of the HIPPS code according to the table below:

REVENUE - SUM 1-3-QTY-THR value	Resulting HRG - OUTPUT – CODE 4th position value
14-15	K
16-17	L
18-19	M

If the recoded first position of the HIPPS code is 3, use the numeric values for the clinical and functional severity levels and the number of therapy visits in the "REVENUE - SUM 1-3-QTY-THR" field to recode the 2nd, 3rd and 4th positions of the HIPPS code as follows:

- recode the 2nd position of the HIPPS code according to the table below:

Treatment Authorization Code position 15 – CLINICAL-SEV-EQ3 value	CLINICAL-SEV-EQ3 converted point value	Clinical Severity Level	Resulting HRG - OUTPUT – CODE 2nd position value
A thru B	0-2	C1 (Min)	A
C thru E	3-5	C2 (Low)	B
F+	6+	C3 (Mod)	C

- recode the 3rd position of the HIPPS code according to the table below:

Treatment Authorization Code position 16 – FUNCTION-SEV-EQ3 value	FUNCTION-SEV-EQ3 converted point value	Functional Severity Level	Resulting HRG - OUTPUT – CODE 3rd position value
A thru H	0-8	F1 (Min)	F
I	9	F2 (Low)	G

J +	10+	F3 (Mod)	H

- change the 4th position of the HIPPS code according to the table below:

REVENUE - SUM 1-3-QTY-THR value	Resulting HRG - OUTPUT – CODE 4th position value
0-5	K
6	L
7-9	M
10	N
11-13	P

If the recoded first position of the HIPPS code is 4, use the numeric values for the clinical and functional severity levels and the number of therapy visits in the "REVENUE - SUM 1-3-QTY-THR" field to recode the 2nd, 3rd and 4th positions of the HIPPS code as follows:

- recode the 2nd position of the HIPPS code according to the table below:

Treatment Authorization Code position 17 – CLINICAL-SEV-EQ4 value	CLINICAL-SEV-EQ4 converted point value	Clinical Severity Level	Resulting HRG - OUTPUT – CODE 2nd position value
A thru H	0-8	C1 (Min)	A
I thru P	9-16	C2 (Low)	B
Q+	17+	C3 (Mod)	C

- recode the 3rd position of the HIPPS code according to the table below:

Treatment Authorization Code position 18 – FUNCTION-SEV-EQ4 value	FUNCTION-SEV-EQ4 converted point value	Functional Severity Level	Resulting HRG - OUTPUT – CODE 3rd position value
A thru G	0-7	F1 (Min)	F
H	8	F2 (Low)	G
I +	9+	F3 (Mod)	H

- change the 4th position of the HIPPS code according to the table below:

REVENUE - SUM 1-3-QTY-THR value	Resulting HRG - OUTPUT – CODE 4th position value
14-15	K
16-17	L
18-19	M

Move the resulting recoded HIPPS code to the "HRG-OUTPUT-CODE" fields. Proceed to HRG payment calculations. Use the weights associated with the code in the "HRG-OUTPUT-CODE field for all further calculations.

c. If the first position of the HIPPS code submitted in "HRG-INPUT-CODE" is a 5 and the number of therapy services in "REVENUE - SUM 1-3-QTY-THR" is less then 20, read the value in the "EPISODE-TIMING" field.

If the value in the "EPISODE-TIMING" field is a 1, and the number of therapy services is in the range 0-13, recode the first position of the HIPPS code to 1. If the number of therapy services is in the range 14-19, recode the first position of the HIPPS code to 2.

If the value in the "EPISODE-TIMING" field is a 2, and the number of therapy services is in the range 0-13, recode the first position of the HIPPS code to 3. If the number of therapy services is in the range 14-19, recode the first position of the HIPPS code to 4.

Return to step b and recode the remaining positions of the HIPPS code as described above.

d. In all cases, read only the "REVENUE - SUM 1-3-QTY-THR" field and recode the 4th positions of the HIPPS code according to the table below, if possible:

HIPPS codes beginning with 1 or 3		HIPPS codes beginning with 2 or 4	
REVENUE - SUM 1-3-QTY-THR value	Resulting HRG - OUTPUT – CODE 4th position value	REVENUE - SUM 1-3-QTY-THR value	Resulting HRG - OUTPUT – CODE 4th position value
0-5	K	14-15	K
6	L	16-17	L
7-9	M	18-19	M
10	N		

11-13	P		

Move the resulting recoded HIPPS code to the "HRG-OUTPUT-CODE" fields. Proceed to HRG payment calculations. Use the weights associated with the code in the "HRG-OUTPUT-CODE field for all further calculations.

If the HIPPS code begins with 1 and the value in "REVENUE - SUM 1-3-QTY-THR" is greater than 13 and less than 20, change the first position of the HIPPS code to 2, and set the "RECODE-IND" to 1. Return to step b and recode the remaining positions of the HIPPS code as described above.

If the HIPPS code begins with 3 and the value in "REVENUE - SUM 1-3-QTY-THR" is greater than 13 and less than 20, change the first position of the HIPPS code to 4, and set the "RECODE-IND" to 3. Return to step b and recode the remaining positions of the HIPPS code as described above.

If the HIPPS code begins with 2 and the value in "REVENUE - SUM 1-3-QTY-THR" is less than 14, change the first position of the HIPPS code to 1, and set the "RECODE-IND" to 1. Return to step b and recode the remaining positions of the HIPPS code as described above.

If the HIPPS code begins with 4 and the value in "REVENUE - SUM 1-3-QTY-THR" is less than 14, change the first position of the HIPPS code to 3, and set the "RECODE-IND" to 3. Return to step b and recode the remaining positions of the HIPPS code as described above.

If the HIPPS code begins with 1 or 2 and the value in "REVENUE - SUM 1-3-QTY-THR" is 20 or more:

- change the first position of the HIPPS code to 5
- recode the 2nd position of the HIPPS code according to the table below:

Treatment Authorization Code position 13 – CLINICAL-SEV-EQ2 value	CLINICAL-SEV-EQ2 converted point value	Clinical Severity Level	Resulting HRG - OUTPUT – CODE 2nd position value
A thru G	0-7	C1 (Min)	A
H thru N	8-14	C2 (Low)	B
O +	15+	C3 (Mod)	C

- recode the 3rd position of the HIPPS code according to the table below:

Treatment Authorization Code position 14 – FUNCTION-SEV-EQ2 value	FUNCTION-SEV-EQ2 converted point value	Functional Severity Level	Resulting HRG - OUTPUT – CODE 3rd position value
A thru F	0-6	F1 (Min)	F
G	7	F2 (Low)	G
H +	8+	F3 (Mod)	H

- change the 4th position of the HIPPS code to K.

If the HIPPS code begins with 3 or 4 and the value in "REVENUE - SUM 1-3-QTY-THR" is 20 or more:

- change the first position of the HIPPS code to 5
- recode the 2nd position of the HIPPS code according to the table below:

Treatment Authorization Code position 17 – CLINICAL-SEV-EQ4 value	CLINICAL-SEV-EQ4 converted point value	Clinical Severity Level	Resulting HRG - OUTPUT – CODE 2nd position value
A thru G	0-7	C1 (Min)	A
H thru N	8-14	C2 (Low)	B
O +	15+	C3 (Mod)	C

- recode the 3rd position of the HIPPS code according to the table below:

Treatment Authorization Code position 18 – FUNCTION-SEV-EQ4 value	FUNCTION-SEV-EQ4 converted point value	Functional Severity Level	Resulting HRG - OUTPUT – CODE 3rd position value
A thru F	0-6	F1 (Min)	F
G	7	F2 (Low)	G
H +	8+	F3 (Mod)	H

- change the 4th position of the HIPPS code to K.

3. HRG payment calculations.

   a. If the "PEP-INDICATOR" is an N:

      Find the weight for the first four positions of the "HRG-OUTPUT-CODE" from the weight table for the calendar year in which the "SERV-THRU-DATE" falls. Multiply the weight times the Federal standard episode rate

for the calendar year in which the "SERV-THRU-DATE" falls. The product is the case-mix adjusted rate. Multiply the case-mix adjusted rate by the current labor-related percentage (which is updated via Recurring Update Notifications, per section 70.5 below) to determine the labor portion. Multiply the labor portion by the wage index corresponding to "MSA1." Multiply the case-mix adjusted rate by the current nonlabor-related percentage (which is updated via Recurring Update Notifications, per section 70.5 below) to determine the nonlabor portion. Sum the labor and nonlabor portions. The sum is the wage index and case-mix adjusted payment for this HRG.

Find the non-routine supply weight corresponding to the fifth positions of the "HRG-OUTPUT-CODE" from the supply weight table for the calendar year in which the "SERV-THRU-DATE" falls. Multiply the weight times the Federal supply conversion factor for the calendar year in which the "SERV-THRU-DATE" falls. The result is the case-mix adjusted payment for non-routine supplies.

Sum the payment results for both portions of the "HRG-OUTPUT-CODE" and proceed to the outlier calculation (see 4 below).

b. If the "PEP-INDICATOR" is a Y:

Perform the calculation of the case-mix and wage index adjusted payment for the HRG and supply amounts, as above. Determine the proportion to be used to calculate this partial episode payment (PEP) by dividing the "PEP-DAYS" amount by 60. Multiply the case-mix and wage index adjusted payment by this proportion. The result is the PEP payment due on the claim. Proceed to the outlier calculation (4 below).

4. Outlier calculation:

a. Wage index adjust the outlier fixed loss amount for the Federal fiscal year in which the "SERV-THRU-DATE" falls, using the MSA code in the "MSA1" field. Add the resulting wage index adjusted fixed loss amount to the total dollar amount resulting from all HRG payment calculations. This is the outlier threshold for the episode.

b. For each quantity in the six "REVENUE-QTY-COV-VISITS" fields, read the national standard per visit rates from revenue code table for the Federal fiscal year in which the "SERV-THRU-DATE" falls. Multiply each quantity by the corresponding rate. Sum the six results and wage index adjust this sum as described above, using the MSA code in the "MSA1" field. The result is the wage index adjusted imputed cost for the episode.

c. Subtract the outlier threshold for the episode from the imputed cost for the episode.

d. If the result *determined in step c* is greater than $0.00, calculate .80 times the result. *This is the outlier payment amount.*

e. Determine whether the outlier payment is subject to the 10% annual limitation on outliers as follows:

i. Multiply the amount in the "PROV-PAYMENT-TOTAL" field by 10% to determine the HHA's outlier limitation amount.

ii. Deduct the amount in the "PROV-OUTLIER-PAY-TOTAL" from the outlier limitation amount. This result is the available outlier pool for the HHA.

iii. If the available outlier pool is greater than or equal to the outlier payment amount calculated in step d, return the outlier payment amount in the "OUTLIER-PAYMENT" field. Add this amount to the total dollar amount resulting from all HRG payment calculations. Return the sum in the "TOTAL-PAYMENT" field, with return code 01.

iv. If the available outlier pool is less than the outlier payment amount calculated in step d, return no payment amount in the "OUTLIER-PAYMENT" field. Assign return code 02 to this record.

f. If the result *determined in step c* is less than or equal to $0.00, the total dollar amount resulting from all HRG payment calculations is the total payment for the episode. Return zeroes in the "OUTLIER-PAYMENT" field. Return the total of all HRG payment amounts in the "TOTAL-PAYMENT" field, with return code 00.