NOTE TO: Medicare Advantage Organizations and Other Interested Parties

SUBJECT: Advance Notice of Methodological Changes for Calendar Year 2008 for Medicare Advantage (MA) Capitation Rates

In accordance with Section 1853(b)(2) of the Social Security Act (the Act), we are notifying you of proposed changes in the MA capitation rate methodology and risk adjustment methodology applied under Part C of the Act for CY 2008. Preliminary estimates of the national per capita MA growth percentage and other MA payment methodology changes for CY 2008 are also discussed. For 2008, CMS will announce the MA capitation rates on the first Monday in April 2007, in accordance with the timetable established in the Medicare Prescription Drug, Improvement, and Modernization Act of 2003 (MMA). This Advance Notice is published 45 days before that date.

For 2008, all non-ESRD rates will be minimum percentage increase rates. As permitted under section 1853(c)(1)(D)(ii), CMS will not rebase the amount representing the actuarial value of costs under the original Medicare fee-for-service program for 2008. (CMS rebased these costs for 2007.) Attachment I shows the preliminary estimates of the national per capita MA growth percentage component of the minimum percentage increase. See Attachment II, section E2, for a discussion of ESRD rates for 2008. Attachment II sets forth in detail the changes in payment methodology for 2008 for MA organizations.

Any changes to employer/union-only group waiver plan payment for 2008 will be issued in future guidance.

Comments or questions may be submitted electronically to the following address: AdvanceNotice2008@cms.hhs.gov. Comments or questions also may be mailed to:

Anne Hornsby Centers for Medicare & Medicaid Services 7500 Security Boulevard S3-16-16 Baltimore, Maryland 21244 In order to receive consideration prior to the April 2, 2007 Announcement of Calendar Year (CY) 2008 Medicare Advantage Capitation Rates and Payment Policies, comments must be received by 6:00 PM EST on Friday, March 2, 2007.

/ s / Abby L. Block Director Center for Beneficiary Choices

/ s / Paul Spitalnic, A.S.A., M.A.A.A. Director Parts C & D Actuarial Group Office of the Actuary

Attachments

Attachment I Preliminary Estimate of the National Per Capita Growth Percentage for Calendar Year (CY) 2008

Section 1853(c)(1) of the Social Security Act (the Act) provides that, for years when CMS is not "rebasing" the amount representing the actuarial value of costs under original fee-for-service (FFS) Medicare, MA capitation rates will be based on the minimum percentage increase, which is the higher of two percent or the national per capita MA growth percentage, with no adjustment to this percentage for over- or under-estimates for years before 2004.

The current estimate of the change in the national per capita MA growth percentage for aged and disabled enrollees combined in CY 2008 is 4.1 percent. This estimate reflects an underlying trend change for CY 2008 in per capita costs of 3.4 percent and adjustments to the estimates for CY 2007, CY 2006, CY 2005, and CY 2004 aged and disabled MA growth percentages of 1.9 percent, -0.5 percent, -0.3 percent, and -0.5 percent, respectively. Our new estimates for these years are lower than the estimates actually used in calculating the CY 2007 capitation rate book for CY 2006 and higher for CY 2007 than was published April 3, 2006, and are required by Section 1853(c)(6)(C) of the Act.

The following table summarizes the estimates for the change in the national per capita MA growth percentage.

	-			0
	Aged	Disabled	ESRD	Aged+Disabled
2008 Trend Change	3.3%	4.2%	-0.1%	3.4%
Revision to CY 2007 Estimate	1.9%	2.1%	5.6%	1.9%
Revision to CY 2006 Estimate	-0.5%	-0.4%	-0.6%	-0.5%
Revision to CY 2005 Estimate	-0.3%	-0.4%	0.9%	-0.3%
Revision to CY 2004 Estimate	-0.4%	-0.4%	-1.1%	-0.5%
Total Change	4.0%	5.2 %	4.7%	4.1%

 Table I-1. National Per Capita MA Growth Percentage

Notes: (1) The total percentage change is multiplicative, not additive and may not exactly match due to rounding.

(2) Starting in 2008, the trend change for ESRD will reflect an estimate of the trend for dialysisonly beneficiaries.

These estimates are preliminary and could change before the final rates are announced on April 2, 2007 in the Announcement of Calendar Year (CY) 2008 Medicare Advantage Capitation Rates and Payment Policies. Further details on the derivation of the national per capita MA growth percentage will also be presented in the Announcement.

Attachment II Changes in the Payment Methodology for Original Medicare Benefits for CY 2008

Section A. Frailty Adjustment

Since 2004, CMS has applied a frailty adjustment to payments for enrollees in PACE organizations and certain demonstration plans. Frailty adjustment allows for improved prediction of Medicare expenditures for community populations with functional impairments that are not reflected in the CMS-HCC risk adjustment factors. The sections below discuss CMS' proposed changes in the calculation and application of frailty adjustment, starting in 2008.

A1. No Program-Wide Application of Frailty Adjustment

CMS has conducted research to determine whether or not to apply a frailty adjustment to all MA plans in 2008. We have determined that for 2008 there will not be program-wide application of frailty factors due to several methodological issues associated with use of survey data for calculating payments for entire program.

<u>Background.</u> In developing the frailty adjustment model that is currently used for enrollees in PACE organizations and certain demonstration plans, CMS adopted the approach taken by many researchers and clinicians of defining frailty as functional impairment, and using counts of difficulty in performing Activities of Daily Living (ADLs) as the core measure of functional impairment. Individuals are grouped according to their difficulties with ADLs: 0 ADLs, 1 to 2 ADLs, 3 to 4 ADLs, and 5 to 6 ADLs. The frailty adjustment model consists of payment factors that are associated with different levels of functional impairment.

CMS calibrated the current frailty factors using 1994 to 1997 data from the Medicare Current Beneficiary Surveys (MCBS). At the time we created the initial frailty model, these survey data were the only comprehensive data available that allowed CMS to link individual-level functional impairment data to Medicare claims data. Information from the MCBS survey was used to predict expenditures unexplained by the CMS-HCC model (residual expenditures calculated as the difference between actual expenditures and predicted payments). Actual frailty scores are calculated at the contract level (rather than the plan benefit package (PBP) level) using these frailty factors and an estimate of the ADL limitations of enrollees collected from Health Outcomes Survey (HOS) data. These frailty scores are added to the risk adjustment factors in payment.

<u>Rationale for not applying frailty adjustment program-wide</u>. Methodological concerns have led us to conclude that the application of frailty adjustment program-wide in 2008 would not improve payment accuracy.

First, the HOS data used currently to determine frailty scores for payment is sampled only at the contract level and, therefore, does not allow us to calculate accurate frailty scores at the plan benefit package (PBP) level. Because bids and plan benefit designs are made at the PBP level,

applying a contract-level frailty score would lead to inconsistent payments across plans and beneficiaries.

Second, if frailty were applied program wide, MA organizations would need to project a frailty score in their plan bids. However, when CMS pays plans, we use frailty scores calculated after the bid has been submitted. Due to the changing nature of the marketplace and the different enrollment profiles of plans from year to year, this creates a risk that the level of frailty assumed by a plan in its bid would not reflect its actual frailty score in the payment year. PACE plans do not bid on Part C benefits, and would not be affected by this issue.

CMS will continue to explore ways to incorporate factors into the CMS-HCC model that will predict costs associated with the frailty of individual beneficiaries.

A2. Update to Frailty Factors for PACE

CMS has updated and refined the current frailty adjustment factors. Effective 2008, CMS will apply these new frailty factors to PACE organization payments on a phase-in schedule (discussed at the end of this section).

CMS changed the source of data used to calibrate the frailty factors so that the methodologies used to gather ADL-related data for both calibration and payment would be similar, avoiding a bias that comes from using different data collection methodologies. As noted above, the current frailty factors were calibrated using ADL limitation information from MCBS. These MCBS data are gathered through in-person surveys. CAHPS data, which we used to recalibrate the frailty factors, and HOS data, which we use to calculate frailty scores for payment, both collect ADL information via mail surveys with telephone follow-up. We added questions regarding ADLs to the FFS CAHPS collected between March 2003 and February 2004 to obtain data from that source, used claims data for the beneficiaries in the sample from the 12 months following this period, and recalibrated the frailty factors with these data.

CMS also refined the frailty adjustment model to compute two sets of frailty factors: one for those Medicare beneficiaries who are dually eligible for Medicaid and another set for those who are not. Table II-1 below contains the new frailty factors. Medicaid beneficiaries have different cost patterns than non-Medicaid beneficiaries and this difference is incorporated into the CMS-HCC risk adjustment model. Our research shows that that there are significant differences in the relationship between unexplained expenditures from the CMS-HCC model and functional impairment for those Medicare beneficiaries who are dually eligible for Medicaid and those who are not. While the sample size of the MCBS that we used to develop the current frailty model did not allow us to reliably estimate separate models for Medicaid and non-Medicaid beneficiaries, we can do so for the recalibrated model because the CAHPS sample is much larger. The revised factors differ because the additional predicted expenditures associated with Medicaid status in the CMS-HCC model account for some portion of frailty-related spending. Using this revised model produces the appropriate factors for each population.

	Tuble II IV Revised Francy Fuctors					
ADL	Current Factor	Revised Model	Revised Model			
		Factors (Non-	Factors			
		Medicaid)	(Medicaid)			
0	-0.141	-0.089	-0.183			
1-2	+0.171	+0.110	+0.024			
3-4	+0.344	+0.200	+0.132			
5-6	+1.088	+0.377	+0.188			

Table II-1. Revised Frailty Factors

The revised frailty factors are generally lower for at least two reasons. The main source of the change is the decrease in home health payments mandated by the BBA, which took effect in years following the 1994-1997 MCBS data used to calibrate the current frailty factors. This decrease in home health payments partially explains the decrease in the frailty factors because, in a community setting, frailty is highly correlated to home health expenditures.

A second reason the new frailty factors are different is the survey methodology. As noted above, MCBS is a face-to-face survey, whereas CAHPS is a mail survey. Survey research has shown that respondents may be less willing to share what could be perceived as negative personal information with someone in a face-to-face interview than they would in a written, more anonymous, survey. The experience with MCBS and CAHPS bears this out: 68 percent of the MCBS sample indicated that they had no difficulty with an ADL, yet 61.5 percent of the CAHPS sample reported no difficulty with an ADL. At the other end of the scale, 4.3 percent of the MCBS respondents indicated problems with 5 or 6 ADLs compared to 6.4 percent of the CAHPS respondents. The respondents who report high numbers of ADLs in a face-to-face situation tend to be frailer and have higher costs. When respondents are given the opportunity to report limitations in ADLs anonymously, the rate of reporting increases but this broader population is less frail with lower average costs. This means that the incremental dollars associated with ADL reporting (and, therefore, the frailty factors) are lower when more respondents admit to functional impairment.

ADL Categories	MCBS: % of Respondents	CAHPS: % of Respondents
0	67.9%	61.5
1-2	21.0%	23.7%
3-4	6.8%	8.4%
5-6	4.3%	6.4%

 Table II-2. MCBS and CAHPS Distributions of Activities of Daily Living

As shown in Table II-2, our results confirm the known survey bias that occurs with face-to-face interviews, as compared with mail surveys. Through the use of a mail survey, beneficiaries more accurately report their ADLs, and their residual expenditures are more accurately accounted for, thus making the frailty factors more accurate with the mail survey data (CAHPS) than with face-to-face survey data (MCBS).

CMS will transition PACE organization payments to 100 percent of the revised frailty factors over a four-year period. In each year, the monthly PACE organization payment would be based

on the A/B risk score, plus the frailty component determined under the following transition schedule:

- In 2008 (year 1): 75% of the current frailty factors and 25% of the revised frailty factors.
- In 2009 (year 2) 50% of the current frailty factors and 50% of the revised frailty factors.
- In 2010 (year 3) 25% of the current frailty factors and 75% of the revised frailty factors.
- In 2011, 100% of the revised frailty factors.

A3. Frailty Adjustment for Certain Demonstrations

Since January 2004, CMS has applied a frailty adjustment to payments for enrollees in Social Health Maintenance Organizations (S/HMOs), Minnesota Senior Health Options (MSHO)/ Minnesota Disability Health Options (MnDHO), Wisconsin Partnership Program (WPP) and Massachusetts Senior Care Options (SCO) demonstrations.

CMS will phase-out the frailty payments to these plans over a four-year period. In each year, the monthly plan payment would be based on the A/B risk score, plus the frailty component determined under the following transition schedule:

- In 2008 (year 1): 75% of the current frailty factors
- In 2009 (year 2) 50% of the current frailty factors
- In 2010 (year 3) 25% of the current frailty factors
- In 2011, 0% of the current frailty factors

Section B. Adjustment for MA Coding Intensity

Section 1853(k)(2)(B)(iv)(III) requires CMS to reflect in its risk adjustment for Part C payment "differences in coding patterns between Medicare Advantage plans and providers under part A and B to the extent that the Secretary has identified such differences." The Conference Report for the Deficit Reduction Act of 2005, which added section 1853(k), calls upon the Secretary to "conduct an analysis" in order to attempt to identify such differences in coding patterns, and that "[t]he conferees intend that any adjustments made for differences in coding patterns be made for differences resulting from inaccurate coding." The Report further provides that "[t]o the extent that the Secretary identifies any differences, they are to be incorporated into calculations of the risk rates and the budget neutrality factor in 2008, 2009, and 2010."

CMS calibrates the risk factors under the CMS-HCC model on the diagnoses and expenditure data of fee-for-service Medicare beneficiaries. Risk scores are then developed for each Medicare beneficiary (including those in managed care) using their own diagnoses. These individual risk scores are used to adjust Part C payments to MA organizations for each plan enrollee. An upward trend in fee-for-service coding results in average risk scores that are greater than 1.0 after the calibration year. Increases in risk scores over time are a result of changes in diagnostic coding over time which, in turn, can be a result of more specific coding, increased illness, or more severe manifestations of illness. In order to keep the average risk score at 1.0, CMS adjusts the CMS-HCC risk scores for these changes in fee-for-service coding patterns using a fee-for-service normalization factor (in 2007, this factor is 1.45 percent per year). A key reason for

normalizing risk scores is to keep them tied to the county ratebook, which is standardized with the average county FFS risk scores.

Because the CMS-HCC model is calibrated on fee-for-service data and the resulting risk scores are adjusted for fee-for-service normalization, MA coding patterns that differ from patterns in fee-for-service may result in risk scores that are not equivalent to the risk scores of the FFS beneficiaries used to calculate the county rates.

CMS is conducting studies designed to assess the degree of coding patterns differences that may be identified between FFS and MA and the extent to which any differences could be appropriately addressed by an adjustment to the CMS-HCC risk scores. Below is a description of two pending studies.

1. <u>Differences in disease progression between MA and FFS.</u> The goal of this study is to assess any differences in coding patterns by comparing overall changes in risk scores and the disease component of the risk scores for beneficiaries in FFS and in MA. This study is being conducted to test the hypothesis that MA plans code more thoroughly and, therefore, similarly situated beneficiaries appear sicker. To conduct this study, CMS will analyze the change in risk scores from 2004 to 2006 among beneficiaries in FFS and MA. We will also explore the extent to which changes in risk scores are attributable to case mix in FFS and MA plans by separately analyzing changes among continuing enrollees (stayers), leavers, and joiners. The analysis of case mix will allow us to decompose the overall trends in risk scores into the effect of changes in enrollee composition versus changes due to differences in coding patterns.

2. <u>Differences in persistence</u>. The goal of this study is to assess any differences in coding patterns by comparing the differences in the 'persistence' of HCCs among continuing enrollees in FFS and in MA. This study is being conducted to test the hypothesis that greater coding in MA is reflected in greater persistence in of diseases (HCCs) across years. To conduct this study, CMS will analyze rates of persistence and changes in the rates of persistence for specific diseases in the CMS-HCC model from 2004 to 2006 among beneficiaries in FFS and MA. We will explore whether persistence rates differ between FFS and MA. This analysis will specifically address rates of persistence among those who remain continuously enrolled in FFS and MA over time.

CMS will use the results of these studies and additional analysis (if any), once completed, to determine the necessity for, and if necessary the magnitude of, an adjustment to the Part C risk scores based on differences in coding patterns between MA and FFS. To the extent that these studies produce valid results that identify differences in coding prior to the April 2, 2007 Announcement, that Announcement will reflect any warranted adjustments based on these differences. If there are no conclusive results as of that date, no adjustment will be made for 2008. We invite public comment on the relative strengths of each of these studies as well as suggestions for alternative studies that could help identify differences in coding patterns.

Section C. Normalization of the Aged-Disabled CMS-HCC Model

The FFS normalization factor for the aged-disabled CMS-HCC model, used to adjust for population and coding changes between the data years used in model calibration and the payment year, has been updated to include more recent data.

<u>Background.</u> When we calibrate a risk adjustment model and normalize the risk scores to 1.0, we produce a fixed set of dollar expenditures and coefficients appropriate to the population and data for that calibration year. When the model with fixed coefficients is used to predict expenditures for other years, predictions for prior years are lower and predictions for succeeding years are higher than for the calibration year. Because average predicted FFS expenditures increase after the model calibration year due to coding and population changes, CMS applies a normalization factor to adjust beneficiaries' risk scores so that the average risk score is 1.0 in subsequent years.

The normalization factor is derived by first using the model to predict risk scores for the FFS population for each year in which data are available. Next, we trend the risk scores to determine the average percent change in the risk score. This amount is then compounded by the number of years between the model calibration year and the payment year to produce the normalization factor.

<u>Factor for 2008.</u> On April 3, 2006 CMS announced that the FFS normalization factor for 2007 is 2.9%. This factor was calculated based on an estimate of the average annual increase in predicted expenditures of 1.45 percent for the two years from 2005 (the year on which the model coefficients are denominated) to 2007. For 2008, the FFS normalization will reflect an estimate for three years, i.e., from 2005 to 2008. The preliminary estimate of the FFS normalization factor for 2008, calculated based on data from 1999 to 2006, is 4.0 percent. This figure represents more recent trends in FFS coding changes. The final FFS normalization factor will be included in the April 2, 2007 Announcement.

As in 2007, CMS will continue to apply the FFS normalization factor to the risk scores when calculating the beneficiary-level monthly payment amounts for aged and disabled enrollees.

Section D. Budget Neutrality

From 2003 through 2006, CMS implemented risk adjusted payments in a budget neutral manner by applying to the risk rates 100 percent of the Budget Neutrality (BN) factor, which is calculated as the estimated difference between payments to MA organizations at 100 percent of the demographic rates and payments at 100 percent of the risk rates. As previously announced by CMS on February 17, 2006 in the Advance Notice for 2007, and as summarized in Table II-3, the phase-out of budget-neutral risk adjusted payments began in 2007 and will be completed by 2011, when plans will receive no budget neutrality payment adjustment. For 2008, 40 percent of the BN factor will be applied to the risk rates.

Since CMS cannot calculate the BN factor until the final capitation rates are determined, the factor will be announced in the April 2, 2007 Rate Announcement. The size of the total BN factor is determined by the difference in aggregate payments made to MA organizations under the risk model and aggregate payments made under the demographic only model.

Year	Budget Neutrality Percentage
2007	55%
2008	40%
2009	25%
2010	5%
2011	0%

 Table II-3.
 Schedule for Phase-out of Budget Neutral Risk Adjusted Payments

Section E. ESRD Bidding and Payment

Pursuant to Section 1853(a)(1)(H) of the Act, CMS has the authority to determine whether to apply the competitive bidding methodology to ESRD enrollees, and must establish "separate rates of payment" with respect to ESRD beneficiaries.

E1. ESRD Bidding Policy

For 2008, CMS will continue the policy of excluding costs for ESRD enrollees in the plan A/B bid. CMS continues to work toward including ESRD costs into MA plans bids. However, we need additional time to further evaluate different methodological approaches for incorporating ESRD costs. Therefore, for 2008, ESRD enrollee costs will not be included in the plan A/B bid. As a result, the 2008 payment methodology for ESRD enrollees in MA plans is unchanged from 2007. CMS will release Bidding Instructions for 2008 with guidance on the option of adjusting A/B mandatory supplemental premiums to reflect the costs or savings for ESRD enrollees in the basic and supplemental benefits.

E2. Refinement of Growth Trend for ESRD State Rates

Effective with the 2005 implementation of the ESRD CMS-HCC model, CMS changed how ESRD payments were made: the State rates became dialysis/transplant-only rates, and payments for functioning graft beneficiaries were determined using the county capitation rates. CMS is recalculating the State rates using more recent data and for 2008 will apply a dialysis-only growth trend for the first time. The dialysis-only trend will be applied to the State rates for 2008 and subsequent years. (See section E5 below for discussion of the proposed phase-in schedule for these new State rates).

To calculate the 2008 State rates, CMS used Medicare FFS claims data by State for beneficiaries in dialysis status between the years 2001 and 2005 to determine the average geographic adjustment (AGA) for each State and to determine the 2005 national average per capita FFS dialysis cost. CMS then adjusted the 2005 national average by each State AGA to determine revised 2005 State rates. To develop the 2008 ESRD State ratebook, CMS will apply the dialysis-only trend to this revised 2005 rate for 2007 to 2008, and will also account for claims run-out and provider cost reports and will develop growth trend factors based on 2001-2005 FFS ESRD dialysis costs by state. The final 2008 State rates will be developed by taking into account the Graduate Medical Education (GME) carve-out and the \$5.25 ESRD user fee.

The distribution of changes in payment across plans using the revised State rates will depend on how many ESRD dialysis enrollees are enrolled in each plan, as well as the change in the ESRD State rates.

E3. Recalibration of the ESRD CMS-HCC Risk Adjustment Model

In 2008, CMS will implement an updated version of the current ESRD CMS-HCC risk adjustment model. Fee-for-service (FFS) claims data for the years 2002 and 2003 are used in the recalibration of the model. (Diagnostic data for 2002 predict 2003 expenditures.)

The current ESRD CMS-HCC model is calibrated on 1999 and 2000 data, and recalibrating the model on more current data results in more appropriate relative weights for each HCC because they reflect more recent coding and expenditure patterns in FFS Medicare. In addition, recalibrating updates the total costs associated with ESRD dialysis beneficiaries.

Both updates (total costs and relative cost factors) can potentially result in changes in risk scores for individual ESRD dialysis beneficiaries and for average plan ESRD risk scores. Depending on an individual beneficiary's combination of diagnoses, the newly recalibrated model may result in a different ESRD risk score for that beneficiary.

All segments of the ESRD risk adjustment model will be updated (the full-risk and new enrollee dialysis factors, the transplant factors, the post-graft full-risk community, full-risk institutional and new enrollee factors). In this notice, we are providing the relative factors for each HCC for each segment of the model (see Exhibit 1). Disease groupings are the same as in past models; however, the factors are different.

The MSP factor remains at 0.215.

E4. Normalization of ESRD CMS-HCC Model

Normalization of risk scores is done in order to maintain a 1.0 average risk score in the FFS population on which the factors were calibrated. Without normalization, risk scores rise over time in response to population and coding changes between the data years used in model calibration and the payment year. See the background discussion in Section C above for further detail on FFS normalization.

CMS is applying an ESRD normalization factor for the first time in 2008, calculated based on data from 1999-2004. For 2008, the ESRD FFS normalization factor will reflect an estimate for five years, i.e., from 2003 to 2008. The preliminary estimate of the 2008 ESRD FFS normalization factor (dialysis model) is 3.9 percent. This normalization factor will applied under the transition schedule set forth in section E5. The final FFS normalization factor will be included in the April 2, 2007 Announcement.

E5. Transition to New ESRD Payment

CMS will phase-in the revised State rates by blending payments based on the current ratebook and the ratebook based on the dialysis-only trend. Over a four-year period, we will apply the payment blend according to the schedule described below. During the transition period, we will continue to trend forward the current and the revised State rates using the same dialysis-only growth trend.

- In 2008 (year 1), CMS payments for ESRD dialysis beneficiaries enrolled in MA plans will be a blend of 75% current ratebook-based payments and 25% revised ratebook-based payments.
- In 2009 (year 2), CMS payments for ESRD dialysis beneficiaries enrolled in MA plans will be a blend of 50% current ratebook-based payment and 50% revised ratebook-based payments.
- In 2010 (year 3), CMS payments for ESRD dialysis beneficiaries enrolled in MA plans will be a blend of 25% current ratebook-based payments and 75% revised ratebook-based payments.
- In 2011, CMS payments for ESRD dialysis beneficiaries enrolled in MA plans will be based on 100% of the revised ratebook.

In States where the revised ratebook is higher than the current ratebook, we will apply the revised ESRD State rate, beginning with 2008 payments.

Section F. Transition Payment Blends

From 2004 through 2006, risk adjusted payment was phased-in for all MA plan payments, with one portion of CMS' payment to plans based on the demographic-only method and the other portion based on the CMS-HCC risk adjustment model. For 2007, Part C payments are 100 percent risk adjusted. CMS pays the Program of All-Inclusive Care for the Elderly (PACE) organizations and certain demonstrations at the announced blend for 2007 – the final year before their transition to fully risk-adjusted payments.

Starting in 2008, 100 percent of payments will be risk adjusted for PACE organizations and those plans that have been operating under demonstration authority: Social Health Maintenance Organizations (S/HMOs), Minnesota Senior Health Options (MSHO)/ Minnesota Disability Health Options (MnDHO), Wisconsin Partnership Program (WPP), and Massachusetts Senior Care Options (SCO) demonstrations. See section A3 on application of the frailty adjusters.

Section G. Regional Plan Stabilization Fund

Section 221 of the MMA added Section 1858(e) to the Act to create a new MA Regional Plan Stabilization Fund. The purpose of the fund is to provide financial incentives to MA organizations to offer MA regional PPO plans in each MA region, and to retain MA regional PPO plans in regions with relatively low MA market penetration.

Section 301 of Division B, Title III, of the Tax Relief and Health Care Act of 2006 – enacted December 20, 2006 – delayed Stabilization Fund payments until January 1, 2012.

Section H. Continuation of Clinical Trial Policy

In 2008, we will continue the policy of paying on a fee-for-service basis for clinical trial items and services covered under the September 2000 National Coverage Determination that are provided to MA plan members.

Section I. Operational Policies

Section I1. Reporting of Medicaid Status for Part C Payment

For 2008, to assign Medicaid status for Part C risk adjustment payments, CMS will begin using information regarding title XIX eligibility from the MMA Medicare/Medicaid Dual Eligible monthly submission file, which all States are required to submit to CMS under provisions of the MMA and which CMS currently uses as a source of Medicaid status for Part D. Using these files as a data source for Medicaid status under the Part C CMS-HCC model promotes consistency across Part C and Part D.

The MMA Medicare/Medicaid Dual Eligible monthly files (referred to as the "MMA State files" below) provide monthly identification of each actively enrolled Medicare/Medicare dual eligible beneficiary, including a person-month record for each Medicare/Medicaid dual eligible in a State Medicaid program in the reporting month. The MMA State files also report information on changes in the circumstances for individuals in a prior month. The MMA state files were tested during a validation period of March-May 2005 and have been in production since June 2005. The files continue to be validated monthly by a CMS contractor. The files include those eligible for comprehensive Medicaid benefits (whether eligible through the state plan or a section 1115 demonstration), as well as those for whom the State pays Medicare premiums and/or cost sharing (Qualified Medicare Beneficiaries, Specified Low-Income Medicare Beneficiaries, and Qualifying Individuals).

In 2005, when we proposed transitioning to the use of the then-new MMA State files for 2006, respondents had several concerns: the schedule for transitioning to use of the MMA State files for payment, the accuracy and reliability of the new data, and availability of a process by which plans could report Medicaid status if the CMS system did not accurately reflect the enrollees' status. Currently, CMS has used the MMA State files for well over a year in the Part D program, and we have been able to assess the completeness of the information provided by these files, compared to information obtained from the Third Party Buy-In files and plan-reported files. CMS has determined that the MMA State files more precisely identify dual eligibles. For example, there are an estimated 974,000 individuals reported on MMA files but not on Third Party-Buy In files because they are dual eligibles for whom States do not pay the Part B premium, so the State Third-Party Buy-In file does not include them. These individuals, however, do meet the criteria for Medicaid status for Part C risk adjustment.

<u>Implementation</u>. We are not proposing any changes to how we assign Medicaid status for payment purposes under Part D. This section only proposes changes to how we assign such status for Part C risk adjustment purposes. Currently, CMS assigns Medicaid status for Part C

risk adjustment based on two sources: (1) the Third Party Buy-In file for beneficiaries on whose behalf States report paying Part B premiums and (2) plan-reported Medicaid status.

For the payment year 2008 and beyond, CMS intends to implement the following approaches.

<u>Full risk enrollees</u>. CMS considers full risk Medicare beneficiaries as dually eligible if they were eligible for title XIX during any month in the year prior to the payment year. Full risk Medicare beneficiaries have 12 months of Part B in the year prior to the payment year.

- **Payment year 2008**: For risk scores applied to 2008 payment, CMS will determine Medicaid status during 2007 using the current sources of Medicaid status (plan-reported and Third Party) as well as the MMA State files.
- **Payment years starting in 2009:** CMS will no longer use plan-reported or Third Party files as sources of Medicaid status for risk scores based on data from 2008 and subsequent years (applied to payment calculations in 2009 and subsequent years). For example, for 2009 payment, we will assign Medicaid status in 2008 using data submitted on the MMA State files.

<u>New enrollees</u>. CMS assigns Medicaid status for new enrollees on a concurrent basis, i.e., if a newly-enrolled Medicare beneficiary is eligible for title XIX during any month during the payment year, they are considered Medicaid for that year. For new enrollees, starting with the 2008 payment year, CMS will assign concurrent Medicaid status based only on the MMA State files.

<u>Exceptions process</u>. In 2008, CMS will implement an exceptions process to address situations where an MMA State file record does not accurately reflect a beneficiary's status. Additional information regarding how the exceptions process will work is forthcoming.

Section I2. Standard Set of ICD-9 Diagnosis Codes for Risk Adjustment

Each year, CMS publishes on its website a list of the valid ICD-9-CM codes for the following <u>fiscal</u> year, based on the recommendations of the ICD-9-CM Coordination and Maintenance Committee. All final decisions on codes are made by the Director of the National Center for Health Statistics (NCHS) and the Administrator of CMS. NCHS, a component of the Centers for Disease Control, has the lead on ICD-9-CM diagnosis issues. The published code sets can be found at <u>http://www.cdc.gov/nchs/icd9.htm</u>. More information on the process for updating ICD-9 codes can be found at

http://www.cms.hhs.gov/ICD9ProviderDiagnosticCodes/01_overview.asp#TopOfPage.

As described in Table II-4 below, starting with 2008 payment, the list of acceptable ICD-9-CM codes for the CMS-HCC, ESRD, and RxHCC risk adjustment models for risk adjustment for any given payment year will comprise the list of published NCHS/CMS codes for the three fiscal years prior to and including the payment year.

Year of Payment	Date Collection	Description/source of codes
	Period	
2007	1/06 - 12/06	All of the following: 1) All risk model codes previously posted on CMS website, 2) IBM's list of risk adjustment codes, 3) Diagnoses codes included in the CMS-HCC and RxHCC model formats published through December 31 st , 2006.
2008	1/07 - 12/07	Valid diagnoses in Fiscal Years 2006, 2007, or 2008
2009	1/08 - 12/08	Valid diagnoses in Fiscal Years 2007, 2008, or 2009
2010	1/09 - 12/09	Valid diagnoses in Fiscal Years 2008, 2009, or 2010
2011	1/10 - 12/10	Valid diagnoses in Fiscal Years 2009, 2010, or 2011

 Table II-4. Phase-in Schedule for New Lists of Diagnosis Codes for Risk Adjustment

Section I3. MSA Plan Submission of Risk Adjustment Data

Section 1853(a)(1)(B)(iii) of the Act requires CMS to risk adjust payments for Medical Savings Account (MSA) plan enrollees. CMS' guidance on risk adjustment under the CMS-HCC model applies to MSA plans, including requirements for data submission. This guidance can be found on the CMS website at

http://www.cms.hhs.gov/MedicareAdvtgSpecRateStats/06_Risk_adjustment.asp#TopOfPage, on the link to "Risk Adjustment Customer Support."

Section I4. Clarification on Institutional Status under Part C CMS-HCC Models

As discussed in Section F above, the transition to 100 percent risk adjusted payments is completed for all plan types in 2008. Because CMS will no longer apply the demographic-only payment method to any plan payments, organizations are no longer required to submit to CMS monthly files on enrollee institutional status (as it was defined for purposes of the Part C demographic payment).

We want to clarify how long-term institutional (LTI) status is determined for Part C risk adjusted payments. For MA plans, CMS uses the information included in the Minimum Data Set (MDS) that is reported by Medicare-certified nursing homes to determine institutional status. Beneficiaries identified as residing in a long-term institution for 90 days prior to the payment month are classified as LTI-status beneficiaries. Enrollees remain in LTI status until discharged to the community for more than 14 days.

CMS uses the Monthly Membership Report (MMR) to report LTI status to MA organizations; therefore, MA organizations may use the MMR to track the institutional status of their enrollees. Specifically, the LTI flag for Part C is provided in position 67 of the MMR. We also recommend that MA organizations review the factor code, position 189-190, which tells whether the beneficiary is community or institutional status. The MMR file layout is available in the *Medicare Advantage and Prescription Drug Plans, Plan Communications User's Guide, Version 2.0* and *Medicare Advantage and Prescription Drug Plans, Plan Communications User's Guide Appendices, Version 2.0* (dated November 16, 2006); these two documents are available on the CMS web site at

http://www.cms.hhs.gov/MedicareMangCareSys/Downloads/PCUG%20v2_Main%20Guide%20 11162006.pdf and http://www.cms.hhs.gov/MedicareMangCareSys/Downloads/PCUG_Appendices%20v2_111620 06.pdf, respectively.

LTI status is a concurrent indicator in the payment year. Beneficiary LTI status is determined at final reconciliation which occurs approximately six months after the payment year. However, in order to prospectively classify beneficiaries for payment status, CMS determines LTI status at a point prior to the payment year. For a given payment year, the beneficiary LTI status will be updated during the initial, mid-year, and final reconciliation risk adjustment factor updates. Plans should notify CMS of any discrepancies between LTI status as reported on the MMR and place of residence for the beneficiary.

<u>Final Reconciliation of Institutional Status for Part C Risk Adjusted Payments</u>. Plans have 45 calendar days after final reconciliation for a payment year to notify CMS of discrepancies in LTI status on the MMR.

Exhibit 1. Relative Factors for CMS-HSS ESRD Model

Table 1-1. Relative Factors for CMS-HCC ESRD Dialysis Model¹

Variable	Disease Group	Relative Factors
Age/Sex Groups		
Female		0.000
0-34 Years		0.699
35-44 Years		0.699
45-54 Years		0.715
55-59 Years		0.746
60-64 Years		0.749
65-69 Years		0.813
70-74 Years		0.813
75-79 Years		0.831
80-84 Years		0.850
85 Years or Over		0.872
Male		
0-34 Years		0.614
35-44 Years		0.650
45-54 Years		0.675
55-59 Years		0.699
60-64 Years		0.722
65-69 Years		0.776
70-74 Years		0.776
75-79 Years		0.790
80-84 Years		0.790
85 Years or Over		0.826
Disease Group Factors		
HCC1	HIV/AIDS	0.235
HCC2	Septicemia/Shock	0.073
HCC5	Opportunistic Infections	0.051
HCC7	Metastatic Cancer and Acute Leukemia	0.189
HCC8	Lung, Upper Digestive Tract, and Other Severe Cancers	0.189
НСС9	Lymphatic, Head and Neck, Brain, and Other Major Cancers	0.160
HCC10	Breast, Prostate, Colorectal and Other Cancers and Tumors	0.058
HCC15	Diabetes with Renal or Peripheral Circulatory Manifestation	0.080
HCC16	Diabetes with Neurologic or Other Specified Manifestation	0.080
HCC17	Diabetes with Acute Complications	0.080
HCC18	Diabetes with Ophthalmologic or Unspecified Manifestation	0.080
HCC19	Diabetes without Complication	0.079
HCC21	Protein-Calorie Malnutrition	0.050
HCC25	End-Stage Liver Disease	0.259
HCC26	Cirrhosis of Liver	0.095
HCC27	Chronic Hepatitis	0.051
HCC31	Intestinal Obstruction/Perforation	0.057
HCC32	Pancreatic Disease	0.084

Risk factors are relative to average total Medicare expenditures per capita for dialysis patients²

HCC37Bone/Joint/Muscle Infections/Necrosis 0.117 HCC38Disease 0.077 HCC44Severe Hematological Disorders ³ 0.000 HCC45Disorders of Immunity 0.113 HCC51Drug/Alcohol Psychosis ¹ 0.000 HCC52Drug/Alcohol Dependence ¹ 0.000 HCC53Schizophrenia 0.179 HCC54Schizophrenia 0.179 HCC55Major Depressive, Bipolar, and Paranoid Disorders 0.129 HCC67Quadriplegia, Other Extensive Paralysis 0.229 HCC68Paraplegia 0.229 HCC69Spinal Cord Disorders/Injuries 0.148 HCC70Muscular Dystrophy ² 0.000 HCC71Polyneuropathy 0.056 HCC72Multiple Sclerosis 0.037 HCC74Seizure Disorders and Convulsions 0.094 HCC77Respirator Dependence/Tracheostomy Status 0.349 HCC78Respiratory Arrest 0.056 HCC79Cardio-Respiratory Haltre and Shock 0.088 HCC80Congestive Heart Failure 0.066 HCC81Acute Myocardial Infarction 0.027 HCC92Specified Heart Artythmias 0.049 HCC94Vascular Disease with Complications 0.049 HCC95Cerebral Henrohrage 0.058 HCC79Cardio-Respiratory Failure and Shock 0.088 HCC81Acute Myocardial Infarction 0.027 HCC92Specified Heart Artythmias 0.066 HCC94Vascular Disease	HCC33	Inflammatory Bowel Disease	0.088
HCC38 Disease 0.077 HCC44 Severe Hematological Disorders ³ 0.000 HCC45 Disorders of Immunity 0.113 HCC51 Drug/Alcohol Psychosis ⁴ 0.000 HCC52 Drug/Alcohol Psychosis ⁴ 0.000 HCC54 Schizophrenia 0.179 HCC55 Major Depressive, Bipolar, and Paranoid Disorders 0.123 HCC68 Paraplegia 0.229 HCC69 Spinal Cord Disorders/Injuries 0.148 HCC70 Muscular Dystrophy ¹ 0.000 HCC71 Polyneuropathy 0.056 HCC72 Multiple Sclerosis 0.038 HCC74 Seizure Disorders and Convulsions 0.034 HCC75 Cona, Brain Compression/Anoxic Damage 0.201 HCC78 Respiratory Arest 0.156 HCC79 Cardio-Respiratory Failure and Shock 0.088 HCC81 Acute Myocardial Infarction 0.017 HCC82 Unstable Angina and Other Acute Ischemic Heart Disease 0.107 HCC83 Angina Acectoris/Old Myocardial Infa	HCC37	Bone/Joint/Muscle Infections/Necrosis	0.115
HCC44 Severe Hematological Disorders ³ 0.000 HCC45 Disorders of Immunity 0.113 HCC51 Drug/Alcohol Psychosis ⁴ 0.000 HCC52 Drug/Alcohol Dependence ⁴ 0.000 HCC55 Major Depressive, Bipolar, and Paranoid Disorders 0.123 HCC67 Quadriplegia, Other Extensive Paralysis 0.229 HCC68 Paraplegia 0.000 HCC70 Muscular Dystrophy ⁴ 0.000 HCC71 Polyneuropathy 0.058 HCC72 Multiple Sclerosis 0.038 HCC73 Parkinson's and Huntington's Diseases 0.038 HCC74 Seizure Disorders and Convulsions 0.049 HCC77 Respirator Dependence/Tracheostomy Status 0.349 HCC78 Respiratory Arrest 0.156 HCC79 Cardio-Respiratory Failure and Shock 0.088 HCC80 Congestive Heart Failure 0.868 HCC81 Acute Myocardial Infarction 0.071 HCC82 Unstable Angina and Other Acute Ischemic Heart Disease 0.107 HCC	HCC38	Disease	0.077
HCC45 Disorders of Immunity 0.11 IICC51 Drug/Alcohol Dependence ⁴ 0.000 HCC52 Drug/Alcohol Dependence ⁴ 0.000 HCC53 Major Depressive, Bipolar, and Paranoid Disorders 0.129 HCC56 Major Depressive, Bipolar, and Paranoid Disorders 0.129 HCC67 Quadriplegia, Other Extensive Paralysis 0.229 HCC68 Paraplegia 0.121 HCC70 Muscular Dystrophy ³ 0.000 HCC71 Polyneuropathy 0.056 HCC72 Multiple Sclerosis 0.038 HCC74 Seizure Disorders and Convulsions 0.094 HCC75 Coma, Brain Compression/Anoxic Damage 0.201 HCC79 Cardio-Respiratory Failure and Shock 0.038 HCC79 Cardio-Respiratory Failure and Shock 0.038 HCC81 Acute Myocardial Infarction 0.017 HCC82 Unstable Angina and Other Acute Ischemic Heart Disease 0.017 HCC82 Unstable Angina and Other Acute Schemic Heart Disease 0.017 HCC82 Unstable Angina and Other Acute Schemic	HCC44	Severe Hematological Disorders ³	0.000
HCC51 Drug/Alcohol Psychosis ⁴ 0.000 HCC52 Drug/Alcohol Dependence ⁴ 0.000 HCC54 Schizophrenia 0.179 HCC55 Major Depressive, Bipolar, and Paranoid Disorders 0.123 HCC67 Quadriplegia, Other Extensive Paralysis 0.229 HCC68 Paraplegia 0.229 HCC69 Spinal Cord Disorders/Injuries 0.148 HCC70 Muscular Dystrophy ⁴ 0.000 HCC71 Polyneuropathy 0.056 HCC72 Multiple Sclerosis 0.087 HCC73 Parkinson's and Huntington's Diseases 0.038 HCC74 Seizure Disorders and Convulsions 0.0494 HCC75 Coma, Brain Compression/Anoxic Damage 0.201 HCC77 Respiratory Arrest 0.156 HCC79 Cardio-Respiratory Failure and Shock 0.088 HCC80 Congestive Heart Failure 0.086 HCC81 Acute Myocardial Infarction 0.017 HCC82 Unstable Angina and Other Acute Ischemic Heart Disease 0.107 HCC83	HCC45	Disorders of Immunity	0.113
HCC52 Drug/Alcohol Dependence ⁴ 0.000 HCC54 Schizophrenia 0.179 HCC55 Major Depressive, Bipolar, and Paranoid Disorders 0.123 HCC67 Quadriplegia, Other Extensive Paralysis 0.229 HCC68 Paraplegia 0.229 HCC69 Spinal Cord Disorders/Injuries 0.148 HCC70 Muscular Dystrophy ⁵ 0.000 HCC71 Polyneuropathy 0.056 HCC73 Parkinson's and Huntington's Diseases 0.038 HCC74 Seizure Disorders and Convulsions 0.904 HCC75 Coma, Brain Compression/Anoxic Damage 0.201 HCC78 Respirator Pependence/Tacheostomy Status 0.349 HCC78 Respiratory Arrest 0.056 HCC81 Acute Myocardial Infarction 0.007 HCC82 Unstable Angina and Other Acute Ischemic Heart Disease 0.107 HCC82 Unstable Angina and Other Acute Ischemic Heart Disease 0.006 HCC95 Cerebral Hemorrhage 0.058 HCC100 Hemiplegia/Hemiparesis 0.058 <t< td=""><td>HCC51</td><td>Drug/Alcohol Psychosis⁴</td><td>0.000</td></t<>	HCC51	Drug/Alcohol Psychosis ⁴	0.000
HCC54 Schizophrenia 0.179 HCC55 Major Depressive, Bipolar, and Paranoid Disorders 0.123 HCC67 Quadriplegia, Other Extensive Paralysis 0.229 HCC68 Paraplegia 0.229 HCC69 Spinal Cord Disorders/Injuries 0.148 HCC70 Muscular Dystrophy ³ 0.000 HCC71 Polyneuropathy 0.056 HCC72 Multiple Sclerosis 0.087 HCC73 Parkinson's and Huntington's Diseases 0.038 HCC74 Scizure Disorders and Convulsions 0.094 HCC75 Coma, Brain Compression/Anoxic Damage 0.201 HCC77 Respiratory Dependence/Tracheostomy Status 0.349 HCC78 Respiratory Arrest 0.156 HCC79 Cardio-Respiratory Failure and Shock 0.088 HCC81 Acute Myocardial Infarction 0.107 HCC82 Unstable Angina and Other Acute Ischemic Heart Disease 0.107 HCC83 Angina Pectoris/Old Myocardial Infarction 0.027 HCC96 Ischemoriage 0.058 <t< td=""><td>HCC52</td><td>Drug/Alcohol Dependence⁴</td><td>0.000</td></t<>	HCC52	Drug/Alcohol Dependence ⁴	0.000
HCC55Major Depressive, Bipolar, and Paranoid Disorders0.123HCC67Quadriplegia, Other Extensive Paralysis0.229HCC68Paraplegia0.229HCC69Spinal Cord Disorders/Injuries0.148HCC70Muscular Dystrophy ⁴ 0.000HCC71Polyneuropathy0.056HCC72Multiple Sclerosis0.087HCC73Parkinson's and Huntington's Diseases0.038HCC74Seizure Disorders and Convulsions0.094HCC75Coma, Brain Compression/Anoxic Damage0.201HCC77Respirator Dependence/Tracheostomy Status0.349HCC78Respiratory Arrest0.156HCC79Cardio-Respiratory Failure and Shock0.088HCC80Congestive Heart Failure0.086HCC81Acute Myocardial Infarction0.007HCC92Specified Heart Arrhythmias0.061HCC95Cerebral Henorrhage0.058HCC101Cerebral Paraly and Other Paralytic Syndromes0.040HCC102Vascular Disease0.058HCC103Angina and Other Paralytic Syndromes0.040HCC104Vascular Disease with Complications0.059HCC105Vascular Disease Vulnonary Disease0.078HCC104Vascular Disease Vulnonary Disease0.078HCC105Vascular Disease Vulnonary Disease0.078HCC104Vascular Disease Vulnonary Disease0.078HCC105Vascular Disease Vulnonary Disease0.079HCC104Vascular Disease Vulnonary	HCC54	Schizophrenia	0.179
HCC67 Quadriplegia, Other Extensive Paralysis 0.229 HCC68 Paraplegia 0.239 HCC69 Spinal Cord Disorders/Injuries 0.048 HCC70 Muscular Dystrophy ³ 0.000 HCC71 Polyneuropathy 0.056 HCC73 Parkinson's and Huntington's Diseases 0.037 HCC74 Seizure Disorders and Convulsions 0.094 HCC75 Coma, Brain Compression/Anoxic Damage 0.201 HCC78 Respirator Dependence/Tracheostomy Status 0.349 HCC79 Cardio-Respiratory Failure and Shock 0.088 HCC80 Congestive Heart Failure 0.086 HCC81 Acute Myocardial Infarction 0.107 HCC82 Unstable Angina and Other Acute Ischemic Heart Disease 0.107 HCC83 Angina Pectoris/Old Myocardial Infarction 0.027 HCC96 Ischemic runspecified Stroke 0.058 HCC100 Hemiplegia/Hemiparesis 0.058 HCC101 Cerebral Palsy and Other Paralytic Syndromes 0.049 HCC102 Vystic Fibrosis 0.058	HCC55	Major Depressive, Bipolar, and Paranoid Disorders	0.123
HCC68Paraplegia 0.229 HCC69Spinal Cord Disorders/Injuries 0.148 HCC70Muscular Dystrophy ³ 0.000 HCC71Polyneuropathy 0.056 HCC72Multiple Sclerosis 0.087 HCC73Parkinson's and Huntington's Diseases 0.038 HCC74Seizure Disorders and Convulsions 0.094 HCC75Coma, Brain Compression/Anoxic Damage 0.201 HCC77Respirator Dependence/Tracheostomy Status 0.349 HCC78Respiratory Arrest 0.156 HCC79Cardio-Respiratory Failure and Shock 0.088 HCC80Congestive Heart Failure 0.086 HCC81Acute Myocardial Infarction 0.107 HCC82Unstable Angina and Other Acute Ischemic Heart Disease 0.107 HCC83Angina Pectoris/Old Myocardial Infarction 0.027 HCC95Cerebral Hemorthage 0.058 HCC100Hemipegia/Hemiparesis 0.068 HCC101Cerebral Palsy and Other Paralytic Syndromes 0.040 HCC102Vascular Disease with Complications 0.169 HCC111Aspiration and Specified Bacterial Pneumonias 0.078 HCC112Pneumococcal Pneumonia, Emphysema, Lung Abscess 0.058 HCC113Renal Faiture ⁷ 0.0000 HCC130Dialysis Status ⁷ 0.0000 HCC131Renal Faiture ⁷ 0.0000 HCC148Decubius Ulcer of Skin, Except Decubius 0.110 HCC150Extensive Third-Degree Burns ³ 0.028	HCC67	Quadriplegia, Other Extensive Paralysis	0.229
HCC69Spinal Cord Disorders/Injuries 0.148 HCC70Muscular Dystrophy3 0.000 HCC71Polyneuropathy 0.056 HCC72Multiple Sclerosis 0.087 HCC73Parkinson's and Huntington's Diseases 0.038 HCC74Scizure Disorders and Convulsions 0.094 HCC75Coma, Brain Compression/Anoxic Damage 0.201 HCC76Respirator Dependence/Tracheostomy Status 0.349 HCC78Respiratory Arrest 0.156 HCC79Cardio-Respiratory Failure and Shock 0.088 HCC81Acute Myocardial Infarction 0.107 HCC82Unstable Angina and Other Acute Ischemic Heart Disease 0.107 HCC83Angina Pectoris/Old Myocardial Infarction 0.027 HCC92Specified Heart Arritythmias 0.068 HCC96Ischemic or Unspecified Stroke 0.058 HCC101Cerebral Palsy and Other Paralytic Syndromes 0.040 HCC102Vascular Disease 0.078 HCC103Vascular Disease 0.078 HCC104Vascular Disease 0.078 HCC105Vascular Disease 0.078 HCC110Cerebral Palsy and Other Paralytic Syndromes 0.078 HCC131Renal Failure ⁷ 0.000 HCC132Nephritis ⁷ 0.0000 HCC134Pheumococcal Pheumononia, Emphysema, Lung Abscess 0.058 HCC104Chronic Ulcer of Skin 0.123 HCC134Renal Failure ⁷ 0.0000 HCC134Renal Failure ⁷ <td< td=""><td>HCC68</td><td>Paraplegia</td><td>0.229</td></td<>	HCC68	Paraplegia	0.229
HCC70Muscular Dystrophy ³ 0.000HCC71Polyneuropathy0.056HCC72Multiple Sclerosis0.087HCC73Parkinson's and Huntington's Diseases0.038HCC74Seizure Disorders and Convulsions0.094HCC75Coma, Brain Compression/Anoxic Damage0.201HCC77Respirator Dependence/Tracheostomy Status0.349HCC78Respiratory Arrest0.156HCC79Cardio-Respiratory Failure and Shock0.088HCC80Congestive Heart Failure0.086HCC81Acute Myocardial Infarction0.107HCC82Unstable Angina and Other Acute Ischemic Heart Disease0.107HCC92Specified Heart Arrhythmias0.066HCC95Cerebral Hemorrhage0.058HCC100Hemiplegia/Hemiparesis0.048HCC101Cerebral Palay and Other Paralytic Syndromes0.049HCC102Vascular Disease0.059HCC103Vascular Disease0.059HCC104Vascular Disease0.058HCC107Cystic Fibrosis0.078HCC118Chronic Obstructive Pulmonary Disease0.078HCC119Proliferative Diabetic Retinopathy and Viterous Hemorrhage ² 0.000HCC131Renal Failure ⁷ 0.000HCC132Nephritis ⁷ 0.0000HCC133Deilysi Status ⁷ 0.0000HCC148Decubitus Ulcer of Skin0.182HCC150Extensive Third-Degree Burns ³ 0.022HCC150Extensive Third-Degree Bu	HCC69	Spinal Cord Disorders/Injuries	0.148
HCC71Polyneuropathy 0.056 HCC72Multiple Sclerosis 0.087 HCC73Parkinson's and Huntington's Diseases 0.038 HCC74Seizure Disorders and Convulsions 0.094 HCC75Coma, Brain Compression/Anoxic Damage 0.201 HCC76Respirator Dependence/Tracheostomy Status 0.349 HCC77Respiratory Arrest 0.156 HCC79Cardio-Respiratory Failure and Shock 0.088 HCC80Congestive Heart Failure 0.066 HCC81Acute Myocardial Infarction 0.107 HCC82Unstable Angina and Other Acute Ischemic Heart Disease 0.107 HCC83Angina Pectoris/Old Myocardial Infarction 0.027 HCC95Cerebral Hemorrhage 0.058 HCC100Hemiplegia/Hemiparesis 0.088 HCC101Cerebral Palsy and Other Paralytic Syndromes 0.040 HCC105Vascular Disease with Complications 0.169 HCC108Chronic Obstructive Pulmonary Disease 0.078 HCC111Aspiration and Specified Bacterial Pneumonias 0.123 HCC112Pneumococcal Pneumonia, Emphysema, Lung Abscess 0.051 HCC131Renal Failure ⁷ 0.0000 HCC132Nephritis ⁷ 0.0000 HCC134Decubitus Ulcer of Skin, Except Decubitus 0.110 HCC132Nephritis ⁷ 0.0000 HCC134Severe Head Injury 0.022 HCC155Major Head Injury 0.022 HCC154Traumació Amuntation 0.022	HCC70	Muscular Dystrophy ³	0.000
HCC72Multiple Sclerosis 0.087 HCC73Parkinson's and Huntington's Diseases 0.038 HCC74Seizure Disorders and Convulsions 0.094 HCC75Coma, Brain Compression/Anoxic Damage 0.201 HCC77Respirator Dependence/Tracheostomy Status 0.349 HCC78Respiratory Arrest 0.156 HCC79Cardio-Respiratory Failure and Shock 0.086 HCC80Congestive Heart Failure 0.086 HCC81Acute Myocardial Infarction 0.107 HCC82Unstable Angina and Other Acute Ischemic Heart Disease 0.107 HCC83Angina Pectoris/Old Myocardial Infarction 0.027 HCC95Cerebral Heart Arrhythmias 0.061 HCC95Cerebral Heart Arrhythmias 0.068 HCC100Hemiplegia/Hemiparesis 0.088 HCC101Cerebral Palsy and Other Paralytic Syndromes 0.040 HCC105Vascular Disease 0.078 HCC106Chronic Obstructive Pulmonary Disease 0.078 HCC119Preidiferative Diabetic Retinopathy and Viterous Hemorrhage* 0.0000 HCC119Proliferative Diabetic Retinopathy and Viterous Hemorrhage* 0.0000 HCC131Renal Failure? 0.0000 HCC132Nephritis? 0.0000 HCC148Decubitus Ulcer of Skin 0.182 HCC150Extensive Third-Degree Burns3 0.022 HCC155Major Head Injury 0.022 HCC155Major Head Injury 0.022 HCC155Major Head Injury 0.022	HCC71	Polyneuropathy	0.056
HCC73Parkinson's and Huntington's Diseases 0.038 HCC74Seizure Disorders and Convulsions 0.094 HCC75Coma, Brain Compression/Anoxic Damage 0.201 HCC77Respirator Dependence/Tracheostomy Status 0.349 HCC78Respiratory Arrest 0.156 HCC79Cardio-Respiratory Failure and Shock 0.088 HCC80Congestive Heart Failure 0.086 HCC81Acute Myocardial Infarction 0.107 HCC82Unstable Angina and Other Acute Ischemic Heart Disease 0.107 HCC83Angina Pectoris/Old Myocardial Infarction 0.027 HCC94Usstable Angina and Other Acute Ischemic Heart Disease 0.058 HCC95Cerebral Hemorrhage 0.058 HCC96Ischemic or Unspecified Stroke 0.058 HCC101Cerebral Palsy and Other Paralytic Syndromes 0.040 HCC105Vascular Disease with Complications 0.169 HCC107Cystic Fibrosis 0.078 HCC111Aspiration and Specified Bacterial Pneumonias 0.123 HCC112Pneumococcal Pneumonia, Emphysema, Lung Abscess 0.050 HCC130Dialysis Status ⁷ 0.000 HCC131Renal Failure ⁷ 0.0000 HCC132Nephritis ⁷ 0.0000 HCC148Decubitus Ulcer of Skin 0.182 HCC150Extensive Third-Degree Burns ³ 0.022 HCC154Severe Head Injury 0.022 HCC155Major Head Injury 0.022 HCC154Hevere Thractures without Sp	HCC72	Multiple Sclerosis	0.087
HCC74Seizure Disorders and Convulsions 0.094 HCC75Coma, Brain Compression/Anoxic Damage 0.201 HCC77Respirator Dependence/Tracheostomy Status 0.349 HCC78Respiratory Arrest 0.156 HCC79Cardio-Respiratory Failure and Shock 0.088 HCC80Congestive Heart Failure 0.0086 HCC81Acute Myocardial Infarction 0.107 HCC82Unstable Angina and Other Acute Ischemic Heart Disease 0.107 HCC92Specified Heart Arrhythmias 0.061 HCC95Cerebral Hemorrhage 0.058 HCC100Hemiplegia/Hemiparesis 0.058 HCC101Cerebral Palsy and Other Paralytic Syndromes 0.040 HCC105Vascular Disease 0.059 HCC104Vascular Disease 0.078 HCC105Vascular Disease 0.078 HCC108Chronic Obstructive Pulmonary Disease 0.078 HCC112Pneumococcal Pneumonia, Emphysema, Lung Abscess 0.050 HCC131Renal Failure ⁷ 0.000 HCC132Nephritis ⁷ 0.000 HCC148Decubitus Ulcer of Skin 0.182 HCC155Major Head Injury 0.022 HCC144Severe Head Injury 0.022 HCC155Major Head Injury 0.022 HCC156Extensive Third-Degree Burns ² 0.000 HCC157Vertebral Fractures without Spinal Cord Injury 0.022 HCC158Hip Fracture/Dislocation 0.022	HCC73	Parkinson's and Huntington's Diseases	0.038
HCC75Coma, Brain Compression/Anoxic Damage 0.201 HCC77Respirator Dependence/Tracheostomy Status 0.349 HCC78Respiratory Arrest 0.156 HCC79Cardio-Respiratory Failure and Shock 0.088 HCC80Congestive Heart Failure 0.086 HCC81Acute Myocardial Infarction 0.107 HCC82Unstable Angina and Other Acute Ischemic Heart Disease 0.107 HCC83Angina Pectoris/Old Myocardial Infarction 0.027 HCC95Cerebral Hemorrhage 0.058 HCC96Ischemic or Unspecified Stroke 0.058 HCC100Hemiplegia/Hemiparesis 0.068 HCC101Cerebral Palsy and Other Paralytic Syndromes 0.169 HCC105Vascular Disease 0.078 HCC107Cystic Fibrosis 0.078 HCC111Aspiration and Specified Bacterial Pneumonias 0.123 HCC119Proliferative Diabetic Retinopathy and Vitreous Hemorrhage 0.0000 HCC130Dialysis Status ⁷ 0.0000 HCC131Renal Failure ⁷ 0.0000 HCC149Chronic Ulcer of Skin 0.182 HCC155Major Head Injury 0.022 HCC156Heiner Gase 0.054 H	HCC74	Seizure Disorders and Convulsions	0.094
HCC77 Respirator Dependence/Tracheostomy Status 0.349 HCC78 Respiratory Arrest 0.156 HCC79 Cardio-Respiratory Failure and Shock 0.088 HCC80 Congestive Heart Failure 0.086 HCC81 Acute Myocardial Infarction 0.107 HCC82 Unstable Angina and Other Acute Ischemic Heart Disease 0.107 HCC83 Angina Pectoris/Old Myocardial Infarction 0.027 HCC92 Specified Heart Arrhythmias 0.061 HCC95 Cerebral Hemorrhage 0.058 HCC100 Hemiplegia/Hemiparesis 0.058 HCC101 Cerebral Palsy and Other Paralytic Syndromes 0.040 HCC102 Vascular Disease with Complications 0.169 HCC103 Vascular Disease 0.059 HCC104 Vascular Disease 0.078 HCC105 Vascular Disease 0.078 HCC104 Vascular Disease 0.078 HCC105 Vascular Disease 0.078 HCC106 Chronic Obstructive Pulmonary Disease 0.078 HCC112 Pneumococcal Pneumonia, Emphysema, Lung Abscess 0.051	HCC75	Coma, Brain Compression/Anoxic Damage	0.201
HCC78 Respiratory Arrest 0.156 HCC79 Cardio-Respiratory Failure and Shock 0.088 HCC80 Congestive Heart Failure 0.086 HCC81 Acute Myocardial Infarction 0.107 HCC82 Unstable Angina and Other Acute Ischemic Heart Disease 0.107 HCC83 Angina Pectoris/Old Myocardial Infarction 0.027 HCC92 Specified Heart Arrhythmias 0.061 HCC95 Cerebral Hemorrhage 0.058 HCC100 Hemiplegia/Hemiparesis 0.086 HCC101 Cerebral Palsy and Other Paralytic Syndromes 0.040 HCC104 Vascular Disease with Complications 0.169 HCC105 Vascular Disease 0.051 HCC107 Cystic Fibrosis 0.078 HCC111 Aspiration and Specified Bacterial Pneumonias 0.123 HCC112 Pneumococcal Pneumonia, Emphysema, Lung Abscess 0.051 HCC130 Dialysis Status ⁷ 0.000 HCC131 Renal Failure ⁷ 0.000 HCC132 Nephritis ⁷ 0.000 HCC134 Decubitus Ulcer of Skin 0.182 HC	HCC77	Respirator Dependence/Tracheostomy Status	0.349
HCC79 Cardio-Respiratory Failure and Shock 0.088 HCC80 Congestive Heart Failure 0.086 HCC81 Acute Myocardial Infarction 0.107 HCC82 Unstable Angina and Other Acute Ischemic Heart Disease 0.107 HCC83 Angina Pectoris/Old Myocardial Infarction 0.027 HCC92 Specified Heart Arrhythmias 0.061 HCC95 Cerebral Hemorrhage 0.058 HCC100 Hemiplegia/Hemiparesis 0.088 HCC101 Cerebral Palsy and Other Paralytic Syndromes 0.040 HCC104 Vascular Disease 0.058 HCC105 Vascular Disease 0.058 HCC106 Chronic Obstructive Pulmonary Disease 0.058 HCC107 Cystic Fibrosis 0.078 HCC112 Pneumococcal Pneumonia, Emphysema, Lung Abscess 0.051 HCC130 Dialysis Status ⁷ 0.000 HCC131 Renal Failure ⁷ 0.000 HCC132 Nephritis ⁷ 0.000 HCC132 Nephritis ⁷ 0.000 HCC134 Decubitus Ulcer of Skin 0.182 HCC135 Evere Head I	HCC78	Respiratory Arrest	0.156
HCC80Congestive Heart Failure0.086HCC81Acute Myocardial Infarction0.107HCC82Unstable Angina and Other Acute Ischemic Heart Disease0.107HCC83Angina Pectoris/Old Myocardial Infarction0.027HCC92Specified Heart Arrhythmias0.061HCC95Cerebral Hemorrhage0.058HCC96Ischemic or Unspecified Stroke0.058HCC100Hemiplegia/Hemiparesis0.040HCC101Cerebral Palsy and Other Paralytic Syndromes0.040HCC102Vascular Disease with Complications0.169HCC105Vascular Disease0.058HCC107Cystic Fibrosis0.078HCC111Aspiration and Specified Bacterial Pneumonias0.123HCC130Dialysis Status ⁷ 0.000HCC131Renal Failure ⁷ 0.0000HCC132Nephritis ⁷ 0.0000HCC148Decubitus Ulcer of Skin0.182HCC149Chronic Ulser of Skin, Except Decubitus0.181HCC150Extensive Third-Degree Burns ³ 0.0088HCC154Severe Head Injury0.022HCC155Major Head Injury0.021HCC155Major Head Injury0.022HCC154Tercure/Dislocation0.035HCC154Hip Fracture/Dislocation0.035HCC154Tercure/Dislocation0.035HCC154Tercure/Dislocation0.035HCC154Hip Fracture/Dislocation0.035HCC154Hip Fracture/Dislocation0.035 <td< td=""><td>HCC79</td><td>Cardio-Respiratory Failure and Shock</td><td>0.088</td></td<>	HCC79	Cardio-Respiratory Failure and Shock	0.088
HCC81Acute Myocardial Infarction0.107HCC82Unstable Angina and Other Acute Ischemic Heart Disease0.107HCC83Angina Pectoris/Old Myocardial Infarction0.027HCC92Specified Heart Arrhythmias0.061HCC95Cerebral Hemorrhage0.058HCC96Ischemic or Unspecified Stroke0.058HCC100Hemiplegia/Hemiparesis0.040HCC101Cerebral Palsy and Other Paralytic Syndromes0.040HCC102Vascular Disease with Complications0.169HCC105Vascular Disease0.058HCC107Cystic Fibrosis0.078HCC108Chronic Obstructive Pulmonary Disease0.051HCC111Aspiration and Specified Bacterial Pneumonias0.123HCC112Pneumococcal Pneumonia, Emphysema, Lung Abscess0.050HCC130Dialysis Status ⁷ 0.0000HCC131Renal Failure ⁷ 0.0000HCC148Decubitus Ulcer of Skin0.182HCC149Chronic Ulcer of Skin, Except Decubitus0.110HCC150Extensive Third-Degree Burns ³ 0.088HCC154Severe Head Injury0.022HCC155Major Head Injury0.022HCC156Hip Fracture/Dislocation0.053HCC158Hip Fracture/Dislocation0.054	HCC80	Congestive Heart Failure	0.086
HCC82Unstable Angina and Other Acute Ischemic Heart Disease0.107HCC83Angina Pectoris/Old Myocardial Infarction0.027HCC92Specified Heart Arrhythmias0.061HCC95Cerebral Hemorrhage0.058HCC96Ischemic or Unspecified Stroke0.058HCC100Hemiplegia/Hemiparesis0.088HCC101Cerebral Palsy and Other Paralytic Syndromes0.040HCC104Vascular Disease with Complications0.169HCC105Vascular Disease0.059HCC107Cystic Fibrosis0.078HCC111Aspiration and Specified Bacterial Pneumonias0.123HCC112Pneumococcal Pneumonia, Emphysema, Lung Abscess0.050HCC130Dialysis Status ⁷ 0.000HCC131Renal Failure ⁷ 0.000HCC148Decubitus Ulcer of Skin0.182HCC150Extensive Third-Degree Burns ⁵ 0.088HCC154Severe Head Injury0.221HCC155Major Head Injury0.021HCC157Vertebral Fractures without Spinal Cord Injury0.035HCC158Hip Fracture/Dislocation0.054HCC154Terumatic Amputation0.054	HCC81	Acute Myocardial Infarction	0.107
HCC83Angina Pectoris/Old Myocardial Infarction0.027HCC92Specified Heart Arrhythmias0.061HCC95Cerebral Hemorrhage0.058HCC96Ischemic or Unspecified Stroke0.058HCC100Hemiplegia/Hemiparesis0.088HCC101Cerebral Palsy and Other Paralytic Syndromes0.040HCC105Vascular Disease with Complications0.169HCC107Cystic Fibrosis0.078HCC108Chronic Obstructive Pulmonary Disease0.078HCC111Aspiration and Specified Bacterial Pneumonias0.123HCC112Pneumococcal Pneumonia, Emphysema, Lung Abscess0.051HCC130Dialysis Status ⁷ 0.000HCC131Renal Failure ⁷ 0.000HCC148Decubitus Ulcer of Skin0.182HCC150Extensive Third-Degree Burns ⁵ 0.088HCC154Severe Head Injury0.221HCC155Major Head Injury0.022HCC157Vertebral Fractures without Spinal Cord Injury0.035HCC158Hip Fracture/Solocation0.054HCC154Terumatic Amuntation0.054	HCC82	Unstable Angina and Other Acute Ischemic Heart Disease	0.107
IncodeDescriptionOutputINCODESpecified Heart Arrhythmias0.061INCC92Specified Heart Arrhythmias0.061INCC95Cerebral Hemorrhage0.058INCC100Hemiplegia/Hemiparesis0.088INCC101Cerebral Palsy and Other Paralytic Syndromes0.040INCC104Vascular Disease with Complications0.169INCC105Vascular Disease0.059INCC107Cystic Fibrosis0.078INCC108Chronic Obstructive Pulmonary Disease0.078INCC112Pneumococcal Pneumonia, Emphysema, Lung Abscess0.051INCC130Dialysis Status ⁷ 0.000INCC131Renal Failure ⁷ 0.000INCC148Decubitus Ulcer of Skin, Except Decubitus0.110INCC150Extensive Third-Degree Burns ³ 0.088INCC155Major Head Injury0.022INCC155Major Head Injury0.035INCC158Hip Fracture/Dislocation0.055INCC156Traumatic Amoutation0.055	HCC83	Angina Pectoris/Old Myocardial Infarction	0.027
Interpretation <tr< td=""><td>HCC92</td><td>Specified Heart Arrhythmias</td><td>0.061</td></tr<>	HCC92	Specified Heart Arrhythmias	0.061
HCC96Ischemic or Unspecified Stroke0.058HCC100Hemiplegia/Hemiparesis0.088HCC101Cerebral Palsy and Other Paralytic Syndromes0.040HCC104Vascular Disease with Complications0.169HCC105Vascular Disease0.059HCC107Cystic Fibrosis0.078HCC108Chronic Obstructive Pulmonary Disease0.078HCC111Aspiration and Specified Bacterial Pneumonias0.123HCC112Pneumococcal Pneumonia, Emphysema, Lung Abscess0.051HCC130Dialysis Status ⁷ 0.000HCC131Renal Failure ⁷ 0.000HCC148Decubitus Ulcer of Skin0.182HCC149Chronic Ulcer of Skin, Except Decubitus0.110HCC150Extensive Third-Degree Burns ³ 0.088HCC155Major Head Injury0.201HCC155Major Head Injury0.002HCC158Hip Fracture/Dislocation0.054HCC154Traumatic Amoutation0.054	HCC95	Cerebral Hemorrhage	0.058
HCC100Hemiplegia/Hemiparesis0.088HCC101Cerebral Palsy and Other Paralytic Syndromes0.040HCC104Vascular Disease with Complications0.169HCC105Vascular Disease0.059HCC107Cystic Fibrosis0.078HCC108Chronic Obstructive Pulmonary Disease0.078HCC111Aspiration and Specified Bacterial Pneumonias0.123HCC112Pneumococcal Pneumonia, Emphysema, Lung Abscess0.051HCC130Dialysis Status ⁷ 0.000HCC131Renal Failure ⁷ 0.000HCC148Decubitus Ulcer of Skin0.182HCC149Chronic Ulcer of Skin, Except Decubitus0.110HCC150Extensive Third-Degree Burns ⁵ 0.088HCC155Major Head Injury0.201HCC155Major Head Injury0.002HCC157Vertebral Fractures without Spinal Cord Injury0.054HCC158Hip Fracture/Dislocation0.054HCC161Traumatic Amountaria0.074	HCC96	Ischemic or Unspecified Stroke	0.058
HCC101Cerebral Palsy and Other Paralytic Syndromes0.040HCC104Vascular Disease with Complications0.169HCC105Vascular Disease0.059HCC107Cystic Fibrosis0.078HCC108Chronic Obstructive Pulmonary Disease0.078HCC111Aspiration and Specified Bacterial Pneumonias0.123HCC112Pneumococcal Pneumonia, Emphysema, Lung Abscess0.051HCC130Dialysis Status ⁷ 0.000HCC131Renal Failure ⁷ 0.000HCC148Decubitus Ulcer of Skin, Except Decubitus0.110HCC150Extensive Third-Degree Burns ⁵ 0.088HCC154Severe Head Injury0.201HCC155Major Head Injury0.022HCC158Hip Fractures without Spinal Cord Injury0.054HCC154Traumatic Amputation0.072	HCC100	Hemiplegia/Hemiparesis	0.088
HCC104Vascular Disease with Complications0.169HCC105Vascular Disease0.059HCC107Cystic Fibrosis0.078HCC108Chronic Obstructive Pulmonary Disease0.078HCC111Aspiration and Specified Bacterial Pneumonias0.123HCC112Pneumococcal Pneumonia, Emphysema, Lung Abscess0.051HCC119Proliferative Diabetic Retinopathy and Vitreous Hemorrhage ³ 0.000HCC130Dialysis Status ⁷ 0.000HCC131Renal Failure ⁷ 0.000HCC148Decubitus Ulcer of Skin0.182HCC149Chronic Ulcer of Skin, Except Decubitus0.110HCC150Extensive Third-Degree Burns ⁵ 0.022HCC155Major Head Injury0.022HCC157Vertebral Fractures without Spinal Cord Injury0.035HCC158Hip Fracture/Dislocation0.073	HCC101	Cerebral Palsy and Other Paralytic Syndromes	0.040
HCC105Vascular Disease0.059HCC107Cystic Fibrosis0.078HCC108Chronic Obstructive Pulmonary Disease0.078HCC111Aspiration and Specified Bacterial Pneumonias0.123HCC112Pneumococcal Pneumonia, Emphysema, Lung Abscess0.051HCC119Proliferative Diabetic Retinopathy and Vitreous Hemorrhage ³ 0.000HCC130Dialysis Status ⁷ 0.000HCC131Renal Failure ⁷ 0.000HCC132Nephritis ⁷ 0.000HCC148Decubitus Ulcer of Skin0.182HCC150Extensive Third-Degree Burns ⁵ 0.088HCC154Severe Head Injury0.201HCC155Major Head Injury0.022HCC158Hip Fracture/Dislocation0.054HCC161Traumatic Amputation0.073	HCC104	Vascular Disease with Complications	0.169
HCC107Cystic Fibrosis0.078HCC108Chronic Obstructive Pulmonary Disease0.078HCC111Aspiration and Specified Bacterial Pneumonias0.123HCC112Pneumococcal Pneumonia, Emphysema, Lung Abscess0.051HCC119Proliferative Diabetic Retinopathy and Vitreous Hemorrhage ³ 0.000HCC130Dialysis Status ⁷ 0.000HCC131Renal Failure ⁷ 0.000HCC132Nephritis ⁷ 0.000HCC148Decubitus Ulcer of Skin0.182HCC149Chronic Ulcer of Skin, Except Decubitus0.110HCC150Extensive Third-Degree Burns ⁵ 0.088HCC154Severe Head Injury0.022HCC155Major Head Injury0.022HCC158Hip Fracture/Dislocation0.054HCC161Traumatic Amputation0.072	HCC105	Vascular Disease	0.059
HCC108Chronic Obstructive Pulmonary Disease0.078HCC111Aspiration and Specified Bacterial Pneumonias0.123HCC112Pneumococcal Pneumonia, Emphysema, Lung Abscess0.051HCC119Proliferative Diabetic Retinopathy and Vitreous Hemorrhage ³ 0.000HCC130Dialysis Status ⁷ 0.000HCC131Renal Failure ⁷ 0.000HCC148Decubitus Ulcer of Skin0.182HCC149Chronic Ulcer of Skin, Except Decubitus0.110HCC150Extensive Third-Degree Burns ³ 0.008HCC155Major Head Injury0.221HCC157Vertebral Fractures without Spinal Cord Injury0.035HCC158Hip Fracture/Dislocation0.072	HCC107	Cystic Fibrosis	0.078
HCC111Aspiration and Specified Bacterial Pneumonias0.123HCC112Pneumococcal Pneumonia, Emphysema, Lung Abscess0.051HCC119Proliferative Diabetic Retinopathy and Vitreous Hemorrhage ³ 0.000HCC130Dialysis Status ⁷ 0.000HCC131Renal Failure ⁷ 0.000HCC132Nephritis ⁷ 0.000HCC148Decubitus Ulcer of Skin0.182HCC149Chronic Ulcer of Skin, Except Decubitus0.110HCC150Extensive Third-Degree Burns ⁵ 0.088HCC154Severe Head Injury0.201HCC155Major Head Injury0.022HCC157Vertebral Fractures without Spinal Cord Injury0.035HCC161Traumatic Amputation0.072	HCC108	Chronic Obstructive Pulmonary Disease	0.078
HCC112Pneumococcal Pneumonia, Emphysema, Lung Abscess0.051HCC119Proliferative Diabetic Retinopathy and Vitreous Hemorrhage³0.000HCC130Dialysis Status70.000HCC131Renal Failure70.000HCC132Nephritis70.000HCC148Decubitus Ulcer of Skin0.182HCC149Chronic Ulcer of Skin, Except Decubitus0.110HCC150Extensive Third-Degree Burns50.008HCC154Severe Head Injury0.201HCC155Major Head Injury0.022HCC157Vertebral Fractures without Spinal Cord Injury0.035HCC158Hip Fracture/Dislocation0.054HCC161Traumatic Amputation0.072	HCC111	Aspiration and Specified Bacterial Pneumonias	0.123
HCC119Proliferative Diabetic Retinopathy and Vitreous Hemorrhage ³ 0.000HCC130Dialysis Status ⁷ 0.000HCC131Renal Failure ⁷ 0.000HCC132Nephritis ⁷ 0.000HCC148Decubitus Ulcer of Skin0.182HCC149Chronic Ulcer of Skin, Except Decubitus0.110HCC150Extensive Third-Degree Burns ⁵ 0.088HCC154Severe Head Injury0.201HCC155Major Head Injury0.022HCC157Vertebral Fractures without Spinal Cord Injury0.035HCC158Hip Fracture/Dislocation0.072	HCC112	Pneumococcal Pneumonia, Emphysema, Lung Abscess	0.051
HCC130Dialysis Status70.000HCC131Renal Failure70.000HCC132Nephritis70.000HCC148Decubitus Ulcer of Skin0.182HCC149Chronic Ulcer of Skin, Except Decubitus0.110HCC150Extensive Third-Degree Burns50.088HCC154Severe Head Injury0.201HCC155Major Head Injury0.022HCC157Vertebral Fractures without Spinal Cord Injury0.035HCC158Hip Fracture/Dislocation0.072	HCC119	Proliferative Diabetic Retinopathy and Vitreous Hemorrhage ³	0.000
HCC131Renal Failure70.000HCC132Nephritis70.000HCC148Decubitus Ulcer of Skin0.182HCC149Chronic Ulcer of Skin, Except Decubitus0.110HCC150Extensive Third-Degree Burns50.088HCC154Severe Head Injury0.201HCC155Major Head Injury0.022HCC157Vertebral Fractures without Spinal Cord Injury0.035HCC158Hip Fracture/Dislocation0.054HCC161Traumatic Amoutation0.072	HCC130	Dialvsis Status ⁷	0.000
HCC132Nephritis70.000HCC148Decubitus Ulcer of Skin0.182HCC149Chronic Ulcer of Skin, Except Decubitus0.110HCC150Extensive Third-Degree Burns50.088HCC154Severe Head Injury0.201HCC155Major Head Injury0.022HCC157Vertebral Fractures without Spinal Cord Injury0.035HCC158Hip Fracture/Dislocation0.054HCC161Traumatic Amountation0.072	HCC131	Renal Failure ⁷	0.000
HCC148Decubitus Ulcer of Skin0.182HCC149Chronic Ulcer of Skin, Except Decubitus0.110HCC150Extensive Third-Degree Burns ⁵ 0.088HCC154Severe Head Injury0.201HCC155Major Head Injury0.022HCC157Vertebral Fractures without Spinal Cord Injury0.035HCC158Hip Fracture/Dislocation0.054HCC161Traumatic Amoutation0.072	HCC132	Nephritis ⁷	0.000
HCC149Chronic Ulcer of Skin, Except Decubitus0.110HCC150Extensive Third-Degree Burns ⁵ 0.088HCC154Severe Head Injury0.201HCC155Major Head Injury0.022HCC157Vertebral Fractures without Spinal Cord Injury0.035HCC158Hip Fracture/Dislocation0.054HCC161Traumatic Amountation0.072	HCC148	Decubitus Ulcer of Skin	0.182
HCC150Extensive Third-Degree Burns50.088HCC154Severe Head Injury0.201HCC155Major Head Injury0.022HCC157Vertebral Fractures without Spinal Cord Injury0.035HCC158Hip Fracture/Dislocation0.054HCC161Traumatic Amountation0.073	HCC149	Chronic Ulcer of Skin. Except Decubitus	0.110
HCC154Severe Head Injury0.201HCC155Major Head Injury0.022HCC157Vertebral Fractures without Spinal Cord Injury0.035HCC158Hip Fracture/Dislocation0.054HCC161Traumatic Amoutation0.073	HCC150	Extensive Third-Degree Burns ⁵	0.088
HCC155Major Head Injury0.022HCC157Vertebral Fractures without Spinal Cord Injury0.035HCC158Hip Fracture/Dislocation0.054HCC161Traumatic Amoutation0.072	HCC154	Severe Head Injury	0.201
HCC157Vertebral Fractures without Spinal Cord Injury0.022HCC158Hip Fracture/Dislocation0.054HCC161Traumatic Amoutation0.073	HCC155	Maior Head Injury	0.022
HCC158Hip Fracture/Dislocation0.054HCC161Traumatic Amputation0.072	HCC157	Vertebral Fractures without Spinal Cord Injury	0.035
HCC161 Traumatic Amputation 0.007	HCC158	Hip Fracture/Dislocation	0.055
	HCC161	Traumatic Amputation	0.073

HCC164	Major Complications of Medical Care and Trauma ³	0.000
HCC174	Major Organ Transplant Status	0.199
HCC176	Artificial Openings for Feeding or Elimination	0.062
HCC177	Amputation Status, Lower Limb/Amputation Complications	0.073
Medicaid Interactions Wit	h Age and Sex	
Medicaid_Female_Disabled		0.051
Medicaid_Female_Aged		0.031
Medicaid_Male_Disabled		0.043
Medicaid_Male_Aged		0.069
Originally Disabled Intera	ctions With Sex	
Female, 03+, Oliginally		
Principal due to ESKD/ w of		0.054
Male 65+ Originally		-0.034
Entitled due to FSRD/ w or		
wo Disability		-0.047
wo Disability		0.047
Female 65+ Originally Entitled		
due to Disability (non-ESRD)		0.056
Male, 65+, Originally Entitled due		
to Disability (non-ESRD)		0.032
Disabled/Disease Interactions		0.001
D_HCC5	Disabled_Opportunistic Infections	0.081
D_HCC44	Disabled_Severe Hematological Disorders	0.050
D_HCC45	Disabled_Disorders of Immunity	0.000
D_HCC51	Disabled_Drug/Alcohol Psychosis	0.190
D_HCC52	Disabled_Drug/Alcohol Dependence	0.190
D_HCC107	Disabled_Cystic Fibrosis'	0.149
Disease Interactions ^o		
INT1	DM_CHF	0.020
INT2	DM_CVD	0.051
INT3	CHF_COPD [*]	0.000
INT4	COPD_CVD_CAD'	0.000

¹This model is used for those enrollees who have a full year of base year claims data

²Mean Year 2003 Total Expenditures=\$60,471. Mean is over all dialysis patients including those with Medicare as secondary payer. ³Coefficients of variables with unconstrained coefficients less than 0 were constrained to equal 0.

 4 Coefficients of variables with coefficients with t-statistics < 1.0 were constrained to equal 0.

 5 Coefficient was constrained to equal coefficient from the CMS-HCC Aged-Disabled Community Model (2002-2003 Calibration). 6 The interaction DM_CHF_RF (where RF = renal failure) is the same in this population as DM_CHF because all sample members have renal failure. Hence, this three-way interaction is not included.

⁷These coefficients are set to zero because beneficiaries on whom the model is calibrated have renal failure and are in dialysis status.

Variable	Relative Factors
Age/Sex Groups	
Female	
0-34 Years	0.912
35-44 Years	0.943
45-54 Years	0.974
55-59 Years	1.020
60-64 Years	1.020
65-69 Years	1.134
70-74 Years	1.162
75-79 Years	1.218
80-84 Years	1.232
85 Years or Over	1.236
Male	
0-34 Years	0.754
35-44 Years	0.894
45-54 Years	0.911
55-59 Years	0.959
60-64 Years	0.977
65-69 Years	1.090
70-74 Years	1.118
75-79 Years	1.151
80-84 Years	1.151
85 Years or Over	1.191
Medicaid Interactions With Age and Sex	
Medicaid Female Disabled	0.100
Medicaid Female Aged	0.069
Medicaid Male Disabled	0.087
Medicaid_Male_Aged	0.114
Originally Disabled Interactions With Sex	
Originally Disabled Female Age Less than 65	0 237
Originally Disabled Female	0.237
Originally Disabled Male Age Less than 65	0.237
Originally Disabled Male	0.211
	0.211

Table 1-2. CMS-HCC Dialysis Model for New Enrollees¹

Notes:

¹New enrollees are those enrollees who do not have a full year of base year claims data.

Mean Year 2003 Total Expenditures=\$60,471. Mean is over all dialysis patients including those with Medicare as secondary payer.

Table 1-3. Transplant Calculations

Under the CMS-HCC risk adjustment system of payments for ESRD patients, payment for transplants is carved out of the payments for all ESRD patients. The payment factor for a transplant is based on the average Medicare costs for transplant admissions and the two months subsequent to discharge. When CMS is notified of a transplant, three monthly payments are made. Instead of a dialysis risk factor being the basis for payment in those months, a transplant factor is used and applied to the dialysis rate book. After the three months, payment is made at the functioning graft rate or at the dialysis rate, as appropriate.

Tr	ransplant Calculations						
		Kidney Only	Kidney Plus Pancreas	Kidney Only Relative	Kidney Plus Pancreas		
		Dollars	Dollars	Factor	Relative Factor		
	Month 1	\$32,558	\$55,310	6.46	10.98		
	Month 2	\$5,106	\$7,434	1.01	1.48		
	Month 3	\$5,106	\$7,434	1.01	1.48		
	Total	\$42,770	\$70,178				

Note: To compute the relative factors, the national mean of annual dialysis patient costs was converted to a monthly amount and the transplant monthly costs were divided by this number.

Mean annual dialysis costs: \$60,471 Costs per month: \$5,039

Table 1-4.
CMS-HCC Community and Institutional Models for Functioning Graft ¹

		Community		Institutional	
Variable	Disease Group	Relative Factor	Constraints ²	Relative Factor	Constraints ²
Age/Sex Groups					
Female					
0-34 Years		0.223		1.240	
35-44 Years		0.224		<u>0.879</u>	
45-54 Years		0.304		<u>0.879</u>	
55-59 Years		0.370		0.879	
60-64 Years		0.422		0.879	
65-69 Years		0.298		0.945	
70-74 Years		0.371		0.885	
75-79 Years		0.468		0.822	
80-84 Years		0.546		0.757	
85-89 Years		0.637		0.694	
90-94 Years		0.788		0.617	
95 Years or Over		0.783		0.482	
<i>ys</i> reals of over		0.705		0.102	
Male					
0-34 Years		0.107		1.059	
35-44 Years		0.167		0.822	
45-54 Years		0.197		0.842	
55-59 Vears		0.297		0.012	
60-64 Years		0.401		0.970	
65-69 Vears		0.401		1 140	
70.74 Vears		0.550		1.140	
75-70 Veers		0.410		1.093	
		0.320		1.095	
80-84 Tears		0.017		1.030	
85-89 Years		0.744		1.033	
90-94 Years		0.830		0.895	
95 Years or Over		0.960		0.775	
		- 5			
Medicaid and Originally Disable	d Interactions With Age and S	Sex"			
Medicaid_Female_Disabled		0.137		0.000	
Medicaid_Female_Aged		0.177		0.000	
Medicaid_Male_Disabled		0.090		0.000	
Medicaid_Male_Aged		0.202		0.000	
Female, 65+, originally entitled					
due to disability		0.232		0.000	
Male, 65+, originally entitled due					
to disability		0.181		0.000	
Disease Group Factors		0.022		0.725	
	niv/AIDS	0.933		0.755	
HCC2	Septicemia/Shock	0.887		0.762	
HCC5	Opportunistic Infections	0.410		0.476	
HCC/	Metastatic Cancer and Acute			0	
	Leukemia	<u>1.648</u>		<u>0.568</u>	
HCC8	Lung, Upper Digestive Tract,				
	and Other Severe Cancers	1.648		0.568	
НСС9	Lymphatic. Head and Neck	<u></u>		<u></u>	
	Brain, and Other Major				
	Cancers	0.771		0 402	
		0.771		0.402	

Additional payment factors for functioning graft status are at bottom of table.

HCC10	Breast, Prostate, Colorectal				
	and Other Cancers and				
	Tumors	0.258		0.241	
HCC15	Diabetes with Renal or				
	Peripheral Circulatory				
	Manifestation	0.608		0.466	
HCC16	Diabetes with Neurologic or				
	Other Specified Manifestation				
		0.452		0.466	
HCC17	Diabetes with Acute				
	Complications	0.364		<u>0.466</u>	
HCC18	Diabetes with				
	Ophthalmologic or				
	Unspecified Manifestation	0.265		<u>0.466</u>	
HCC19	Diabetes without				
	Complication	0.181		0.257	
HCC21	Protein-Calorie Malnutrition	0.820		0.395	
HCC25	End-Stage Liver Disease	0.996		0.768	
HCC26	Cirrhosis of Liver	0.519		<u>0.363</u>	
HCC27	Chronic Hepatitis	0.303		<u>0.363</u>	
HCC31	Intestinal				
	Obstruction/Perforation	0.347		0.349	
HCC32	Pancreatic Disease	0.383		0.277	
HCC33	Inflammatory Bowel Disease	0.270		0.263	
HCC37	Bone/Joint/Muscle				
	Infections/Necrosis	0.550		0.482	
HCC38	Rheumatoid Arthritis and				
	Inflammatory Connective				
	Tissue Disease	0.363		0.233	
HCC44	Severe Hematological				
	Disorders	1.136		0.477	
HCC45	Disorders of Immunity	0.841		0.443	
HCC51	Drug/Alcohol Psychosis	<u>0.250</u>		0.000	
HCC52	Drug/Alcohol Dependence	<u>0.250</u>		0.000	
HCC54	Schizophrenia	0.515		0.347	
HCC55	Major Depressive, Bipolar,				
	and Paranoid Disorders	0.370		0.308	
HCC67	Quadriplegia, Other				
	Extensive Paralysis	<u>0.961</u>		0.337	
HCC68	Paraplegia	<u>0.961</u>		0.291	
HCC69	Spinal Cord				
	Disorders/Injuries	0.511		0.152	
HCC70	Muscular Dystrophy	0.466		0.000	
HCC71	Polyneuropathy	0.324		0.253	
HCC72	Multiple Sclerosis	0.472		0.174	
HCC73	Parkinson's and Huntington's				
	Diseases	0.547		0.089	
HCC74	Seizure Disorders and				
	Convulsions	0.280		0.165	
НСС75	Coma, Brain				
	Compression/Anoxic Damage	0.446	C1	0.000	
HCC77	Respirator				
	Dependence/Tracheostomy				
	Status	1.860		1.360	

HCC78	Respiratory Arrest	1.448		0.984	
HCC79	Cardio-Respiratory Failure				
	and Shock	0.629		0.464	
HCC80	Congestive Heart Failure	0.395		0.231	
HCC81	Acute Myocardial Infarction	0.349		0.474	
HCC82	Unstable Angina and Other				
	Acute Ischemic Heart Disease				
		0.332		0.474	
HCC83	Angina Pectoris/Old				
	Myocardial Infarction	0.231		0.296	
HCC92	Specified Heart Arrhythmias	0.295		0.198	
HCC95	Cerebral Hemorrhage	0.366		0.175	
HCC96	Ischemic or Unspecified				
	Stroke	0.303		0.175	
HCC100	Hemiplegia/Hemiparesis	0.410		0.065	
HCC101	Cerebral Palsy and Other				
	Paralytic Syndromes	0.212		0.000	
HCC104	Vascular Disease with				
	Complications	0.645		0.495	
HCC105	Vascular Disease	0.324		0.164	
HCC107	Cystic Fibrosis	0.398		0.327	
HCC108	Chronic Obstructive				
	Pulmonary Disease	0.398		0.327	
HCC111	Aspiration and Specified				
	Bacterial Pneumonias	0.761		0.644	
HCC112	Pneumococcal Pneumonia,				
	Emphysema, Lung Abscess	0.233		0.188	
HCC119	Proliferative Diabetic				
	Retinopathy and Vitreous				
	Hemorrhage	0.278		0.527	
HCC130	Dialysis Status ³	0.000		0.000	
HCC131	Renal Failure ³	0.000		0.000	
HCC132	Nephritis	0.182		0.290	
HCC148	Decubitus Ulcer of Skin	1.167		0.474	
HCC149	Chronic Ulcer of Skin, Except				
	Decubitus	0.463		0.239	
HCC150	Extensive Third-Degree				
	Burns	0.818		0.000	
HCC154	Severe Head Injury	0.446	C1	0.000	
HCC155	Major Head Injury	0.182		0.000	
HCC157	Vertebral Fractures without				
	Spinal Cord Injury	0.501		0.109	
HCC158	Hip Fracture/Dislocation	0.450		0.000	
HCC161	Traumatic Amputation	0.736		0.224	C1
HCC164	Major Complications of				
	Medical Care and Trauma	0.299		0.219	
HCC174	Major Organ Transplant				
	Status	0.362		0.362	
HCC176	Artificial Openings for				
1100177	Feeding or Elimination	0.758		0.843	
HUU1//	Amputation Status, Lower				
	Complications	0 652		0.004	C1
	Complications	0.033		0.224	U

Disabled/Disease Interactions			
	Disabled_Opportunistic		
D_HCC5	Infections	0.941	0.280
	Disabled_Severe		
D_HCC44	Hematological Disorders	0.551	0.419
	Disabled_Drug/Alcohol		
D_HCC51	Psychosis	0.801	0.425
	Disabled_Drug/Alcohol		
D_HCC52	Dependence	0.356	0.425
D_HCC107	Disabled_Cystic Fibrosis	1.391	0.000
Disease Interactions	4		
INT1	DM_CHF ⁴	0.204	0.088
INT2	DM_CVD	0.149	0.026
INT3	CHF_COPD	0.216	0.194
INT4	COPD_CVD_CAD	0.174	0.042
INT5	RF_CHF^4	0.248	0.000
INT6	RF_CHF_DM ⁴	0.664	0.203
Graft Factors ⁶			
Aged <65, with duration since			
transplant of 4-9 months		<u>3.391</u>	<u>3.391</u>
Aged 65+, with duration since			
transplant of 4-9 months		<u>3.391</u>	<u>3.391</u>
Aged <65, with duration since			
transplant of 10 months or more		1.152	1.152
Aged 65+, with duration since			
transplant of 10 months or more		1.323	1.323

¹To determine payments for persons with functioning grafts, the computed risk score should be applied to the appropriate cell in the CMS-HCC county risk ratebook for the aged and disabled. For payment in any month, duration is measured from the month of transplant to the first day of that month. All coefficients except for the graft factors and HCC174 were constrained to the values estimates for the 2003 Calibration CMS-HCC Aged-Disabled Community Model. ²_______ means coefficients of HCCs are constrained to be equal, and C1 denotes a non-continguous constraint. For the community model C1=.446; for the institutional model C1=.224.

³Kidney failure and Dialysis status HCCs are not captured in the model for functioning graft beneficiaries. The cost of treating their transplanted kidney is captured instead in the post-graft factors. Should a post-graft patient have failure again they would return to dialysis status and be paid under the dialysis model. ⁴Diseases in interactions are:

DM is diabetes mellitus (HCCs 15-19)

CHF is congestive heart failure (HCC 80)

COPD is chronic obstructive pulmonary disease (HCC 108)

CVD is cerebrovascular disease (HCCs 95,96,100, and 101)

RF is renal failure (HCC 131)

Beneficiaries with the three-way interaction RF*CHF*DM are excluded from the two-way interactions DM*CHF and RF*CHF. Thus, the three-way interaction term RF*CHF*DM is not additive to the two-way interaction terms DM*CHF and RF*CHF. Rather, it is hierarchical to, and excludes these interaction terms. A beneficiary with all three conditions is not "credited" with the two-way interactions. All other interaction terms are additive.

⁵These HCCs are not present in the institutional model.

⁶The graft factors are additive, similar to any other factors in the CMS-HCC model. The factor is higher during the months immediately after transplant to account for a high level of monitoring and services.

DRAFT DISEASE HIERARCHIES				
Hierarchical Condition Category	If the Disease Group is Listed in This Column	Then Drop the Associated Disease Group(s) Listed in This Column		
(HCC)	Disease Group Label			
5	Opportunistic Infections	112		
7	Metastatic Cancer and Acute Leukemia	8,9,10		
8	Lung, Upper Digestive Tract, and Other Severe Cancers	9, 10		
9	Lymphatic, Head and Neck, Brain and Other Major Cancers	10		
15	Diabetes with Renal Manifestations or Peripheral Circulatory Manifestation	16,17,18,19		
16	Diabetes with Neurologic or Other Specified Manifestation	17,18,19		
17	Diabetes with Acute Complications	18,19		
18	Diabetes with Ophthalmologic or Unspecified Manifestations	19		
25	End-Stage Liver Disease	26,27		
26	Cirrhosis of Liver	27		
51	Drug/Alcohol Psychosis	52		
54	Schizophrenia	55		
67	Quadriplegia/Other Extensive Paralysis	68,69,100,101,157		
68	Paraplegia	69,100,101,157		
69	Spinal Cord Disorders/Injuries	157		
77	Respirator Dependence/ Tracheostomy Status	78,79		
78	Respiratory Arrest	79		
81	Acute Myocardial Infarction	82,83		
82	Unstable Angina and Other Acute Ischemic Heart Disease	83		
95	Cerebral Hemorrhage	96		
100	Hemiplegia/Hemiparesis	101		
104	Vascular Disease with Complications	105,149		
107	Cystic Fibrosis	108		
111	Aspiration and Specified Bacterial Pneumonias	112		
130	Dialysis Status	131,132		
131	Renal Failure	132		
148	Decubitus Ulcer of Skin	149		
154	Severe Head Injury	75,155		
161	Traumatic Amputation	177		
How Dovmonts	no Mada with a Discass Hiararahy = FXAMDI F: If a hapafi	ciary triggors UCCs 148 (Docubitus		

How Payments are Made with a Disease Hierarchy -- EXAMPLE: If a beneficiary triggers HCCs 148 (Decubitus Ulcer of the Skin) and 149 (Chronic Ulcer of Skin, Except Decubitus), then HCC 149 will be dropped. In other words, payment will always be associated with the HCC in column 1 if a HCC in column 3 also occurs during the same collection period. Therefore, the MA organization's payment will be based on HCC 148 rather than HCC 149.