Global and Professional Direct Contracting and Kidney Care Choices Models

PY2022 DC/KCC Rate Book Development

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Reference Documents

Title

Global and Professional Direct Contracting Model: Financial Operating Guide: Overview

Global and Professional Direct Contracting Model: Financial Companion to Operating Guide Overview: Standard DCE

Global and Professional Direct Contracting Model: Financial Companion to Operating Guide Overview: New Entrant DCE

Global and Professional Direct Contracting Model: Financial Companion to Operating Guide Overview: High Needs Population DCE

Global and Professional Direct Contracting Model: Financial Operating Policies: Capitation and Advanced Payment Mechanisms

Global and Professional Direct Contracting Model: Financial Companion to Capitation and Advanced Payment Mechanisms

Global and Professional Direct Contracting and Kidney Care Choices Models: Risk Adjustment

Global and Professional Direct Contracting Model: Financial Reconciliation Overview

Kidney Care Choices Model: Financial Operating Guide: Overview

Acronyms

A&D	Aged & Disabled		
BY	Base year		
CKCC	Comprehensive Kidney Care Contracting		
CKD4/5	Stage 4 and 5 Chronic Kidney Disease		
CMMI	Center for Medicare & Medicaid Innovation		
CMS	Centers for Medicare & Medicaid Services		
CY	Calendar year		
DCE	Direct Contracting Entity		
DoD	Department of Defense		
ESRD	End-Stage Renal Disease		
FFS	Fee-for-service		
FIPS	Federal Information Processing Standard		
GAF	Geographic Adjustment Factors		
GPDC	Global and Professional Direct Contracting		
HCC	Hierarchical Condition Category		
KCC	Kidney Care Choices		
KCE	Kidney Contracting Entity		
MA	Medicare Advantage		
PBPM	Per beneficiary per month		
PY	Performance year		
USPCC	United States per capita costs		
VA	Veterans Administration		

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1.0 Overview of DC/KCC Rate Book

In the Global and Professional Direct Contracting (GPDC) Model and the Comprehensive Kidney Care Contracting (CKCC) Options within the Kidney Care Choices (KCC) Model, a DC/KCC Rate Book will be used to construct benchmarks. This DC/KCC Rate Book is either blended with aligned providers' historical expenditures or used standalone to establish the Performance Year (PY) Benchmark's Baseline.

This document describes the development process of the DC/KCC Rate Book. Both GPDC and the KCC Model will share the same DC/KCC Rate Book methodology for use in benchmark construction. The DC/KCC Rate Book is constructed using a modification of the methods used to construct MA Rate Book which is published annually and establishes county-level payment rates for Medicare Advantage (MA) Plans for Aged & Disabled (A&D) beneficiaries and state-level payment rates for End-Stage Renal Disease (ESRD) beneficiaries.¹

The DC/KCC Rate Book removes factors applied to the MA Rate Book that are not relevant in the GPDC and the KCC Models (e.g., fee-for-service [FFS] spending quartiles, quality bonus payment percentage for star ratings), adds components of Medicare FFS expenditures that are not included in the MA Rate Book (e.g., hospice services), and mirrors GPDC² eligibility requirements. This document highlights the differences between the DC/KCC Rate Book and the MA Rate Book development methodology in each section. A non-exhaustive listing of the major differences is presented in <u>Appendix Table 1</u>. The DC/KCC Rate Book will be used in the calculation of the regional component of the PY Benchmark for Direct Contracting Entities (DCEs) and Kidney Contracting Entities (KCEs). The detailed overview of the benchmarking methodology for GPDC and the KCC Model can be found in the *Global and Professional Direct Contracting Model: Financial Operating Guide: Overview* paper and *Companion Documents* and *Kidney Care Choices: Financial Operating Guide: Overview* paper, respectively.

There are two main components of the DC/KCC Rate Book:

- (1) The National Conversion Factor for the population eligible for the GPDC Model (which is comparable to the United States Per Capita Costs [USPCC] used in the MA Rate Book). The National Conversion Factor is a per beneficiary per month (PBPM) measure of all FFS expenditures, excluding uncompensated care payments under the inpatient Prospective Payment System, for beneficiaries eligible for GPDC. A National Conversion Factor is calculated based on historical data and then trended to the performance year using the trend from an adjusted version of the USPCC.
- (2) County Relative Cost Indices are used to convert the National Conversion Factor into county rates. The County Relative Cost Indices are based upon the ratio of the county-level PBPM

¹ The MA Rate Book development methodology for CY2022 is available at https://www.cms.gov/medicarehealth-plansmedicareadvtgspecratestatsratebooks-and-supporting-data/2022.

² Both the GPDC and KCC Models will use the same National Conversion Factor to construct benchmarks. The National Conversion Factor will include expenditures for beneficiaries who meet DC eligibility criteria. Medicare beneficiaries will not be required to meet the KCC Model's additional eligibility requirements in order to have their expenditures contribute to the National Conversion Factor.

expenditures and the DC National Reference Population PBPM expenditures, risk standardized and adjusted to reflect the geographic payment adjustments applied by Medicare FFS payment systems.

Each county rate is calculated by multiplying the National Conversion Factor by the County Relative Cost Index for that county. Each section in this document describes the different steps of the calculation of the DC/KCC Rate Book.

<u>Section 2</u> focuses on the calculation of the DC/KCC Rate Book National Conversion Factor, which in the DC/KCC Rate Book is analogous to USPCC used in the MA Rate Book. This includes documentation of the differences between the DC/KCC Rate Book National Conversion Factor and USPCC.

<u>Section 3</u> addresses the construction of the County Relative Cost Indices. This includes subsections dedicated to the development of Geographic Adjustment Factors (GAF), the risk scores used to standardize county expenditures, and the overall development of the Average County Relative Cost Indices.

<u>Section 4</u> describes additional adjustments made to county rates to improve applicability to the models and/or meet CMS policy goals. These include zero claims, Veterans Affairs/Department of Defense expenditures, and credibility adjustments, where appropriate.

<u>Section 5</u> specifies the final combination of all the previous components into the production of the final DC/KCC Rate Book.

2.0 DC/KCC Rate Book National Conversion Factor

2.1 FFS Expenditure

The DC/KCC Rate Book is developed using data for the three most recent years for which complete Medicare FFS claims data are available, referred to as the DC/KCC Rate Book base years (BYs). Construction of the DC/KCC Rate Book excludes one calendar year (CY) between the latest DC/KCC Rate Book BY and CY for which the DC/KCC Rate Book will be used to develop benchmarks. This allows for the inclusion of the most recent three complete calendar years of historical experience to construct the DC/KCC Rate Book for each PY. This is a change from the MA Rate Book, which uses five years of data and excludes two CYs between the latest MA Rate Book BY and CY in which the MA Rate Book is used. Table 2.1 summarizes CYs that will be used as the DC/KCC Rate Book's BYs to develop the DC/KCC Rate Book for each PY of the model.

Table 2.1. Construction		DC/KCC Rate Book base years
Performance year	Calendar year	Data used for DC/KCC Rate Book development
2021	2021	2017, 2018, 2019
2022 ¹	2022	2017, 2018, 2019
2023 ¹	2023	2019, 2020, 2021
2024 ¹	2024	2020, 2021, 2022
2025	2025	2021, 2022, 2023
2026	2026	2022, 2023, 2024

Table 2.1. Construction of DC/KCC Rate Book

Note that CMS is continuing to monitor the potential impact of COVID-19 on BYs for use in the DC/KCC Rate Book and may revise BYs used to establish appropriate county rates for a given CY. For example, for PY2022 CMS determined that 2020 is not appropriate as a BY because of the impact of COVID-19 on patterns of utilization and expenditure. For PY2022, 2017, 2018, and 2019 will therefore be used as the three BYs instead of 2018, 2019, and 2020. CMS will determine the BYs that will be used for each PY prior to the publication of the DC/KCC Rate Book for each year.

Expenditures that are included in the DC/KCC Rate Book—referred to as DC/KCC Expenditures—are all FFS Medicare claim payment amounts, plus sequestration amounts, plus reductions made to provider payments due to participation in alternative payment arrangements (e.g., Population-Based Payments in the Next Generation Accountable Care Organization Model, and Total Care Capitation or Primary Care Capitation payments in the GPDC Model), minus hospital uncompensated care payments. This is a change from the MA Rate Book, which does include uncompensated care costs but excludes claims related to hospice care. DC/KCC Expenditures are defined the same way for A&D and ESRD populations (further defined in Section 2.2). For the ESRD population, costs associated with transplants that are captured through Medicare FFS claims are included; additional costs such as organ procurement are not. Any changes to the ESRD MA rates that may come to the MA program in future years will not change the definition of DC/KCC Expenditures for the ESRD population for the DC/KCC Rate Book.

The MA Rate Book includes payments that are attributable to Innovation Center models and other CMS programs (*Innovation Payment Adjustments*). These adjustments are added or subtracted to the claims

¹ Due to the impact of COVID-19, CMS determined that 2020 is not appropriate as a BY. CMS will determine the BYs that will be used for each PY prior to publication of the DC/KCC Rate Book for each year.

expenditure when constructing the DC/KCC Rate Book. Consequently, the DC/KCC Rate Book reflects the shared savings and losses from other CMS Accountable Care Organization models, including GPDC and CKCC, and the payment mechanisms from the KCC Model (the Adjusted Monthly Capitation Payment and the Quarterly Capitation Payment). However, the DC/KCC Rate Book will not include Kidney Transplant Bonus payments under the KCC Model.³

The differences in the expenditures included in the DC/KCC Rate Book and the MA Rate Book are presented in **Table 2.2**.

Table 2.2. DC/KCC Expenditure compared with MA Rate Book Expenditure

DC/KCC Rate Book	MA Rate Book
Included	Included
FFS Claim Payment Amounts	FFS Claim Payment Amounts
Sequestration amounts	Sequestration amounts
Reductions made to providers due to	Reductions made to providers due to
alternative payment arrangement	alternative payment arrangement
participation	participation
Adjustments for Innovation Center models	Adjustments for Innovation Center models and
and other CMS programs	other CMS programs
Removed	Removed
FFS Expenditure for beneficiaries enrolled in a	FFS Expenditure for beneficiaries enrolled in a
managed care plan	managed care plan
Uncompensated care payments	Hospice Care for FFS Beneficiaries

CMS = Centers for Medicare & Medicaid Services; FFS = fee-for-service; MA = Medicare Advantage.

2.2 DC/KCC Rate Book Eligibility

The DC/KCC Rate Book incorporates expenditures for Medicare beneficiaries eligible to participate in GPDC. GPDC Model eligibility for Medicare beneficiaries is determined for each month of the three DC/KCC Rate Book BYs (2017-2019 in PY2022). A beneficiary month is eligible for the GPDC Model if it meets all the following criteria:

- The beneficiary is alive on the first day of the month.
- The beneficiary is enrolled in Part A.
- The beneficiary is enrolled in Part B.
- The beneficiary is enrolled in Traditional FFS Medicare (e.g., not enrolled in MA).

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³ Due to the different BYs between the MA Rate Book and the DC/KCC Rate Book, typically only BY1 and BY2 of the DC/KCC Rate Book use the exact innovation adjustments from the corresponding CY from the most recently available FFS data files released with MA Rate Book. For example, in PY2021, the 2017 and 2018 adjustments would be the same dollar amounts for each county as those used in the MA Rate Book. Because adjustments for what would be BY3 (e.g., 2019 for PY2021) are not available before the DC/KCC Rate Book is published for a given PY, the DC/KCC Rate Book applies the same adjustments from BY2 in BY3. However, in the case of 2022 we have data for all three BYs (2017, 2018, and 2019).

- Medicare is not secondary to coverage under a group health plan.
- The beneficiary is a U.S. resident.

The beneficiary months that meet these criteria are referred to as the DC National Reference Population. The DC/KCC Rate Book uses GPDC's eligibility criteria, rather than the KCC Model's more restrictive eligibility criteria, to determine beneficiary expenditures that will contribute to the DC/KCC Rate Book.

The population that contributes to the DC/KCC Rate Book differs from the MA Rate Book population. Unlike the DC/KCC Rate Book, the MA A&D Rate Book is based on the experience of all Medicare FFS beneficiaries. The MA ESRD Rate Book is based on the experience of all FFS beneficiaries except those who do not have Medicare as their primary payer. The differences between the MA Rate Book and the DC/KCC Rate Book are summarized in **Table 2.3**.

Table 2.3. GPDC National Reference Population compared with MA Rate Book population inclusion criteria

DC/KCC Rate Book	MA Rate Book (Aged & Disabled)	MA Rate Book (Dialysis End-Stage Renal Disease)
Alive on the first day of the month	Consistent Approach	Consistent Approach
Enrolled in Part A and in Part B	All FFS beneficiaries (enrolled in Part A <i>or</i> Part B)	Consistent Approach
Enrolled in Traditional FFS Medicare (e.g., not enrolled in MA)	Consistent Approach	Consistent Approach
Medicare listed as primary payer	All FFS Beneficiaries	Consistent Approach
Is a U.S. resident	Consistent Approach	Consistent Approach

FFS = fee-for-service; MA = Medicare Advantage.

For the DC/KCC Rate Book, a month is classified as ESRD if the beneficiary received dialysis services as renal replacement therapy for chronic kidney failure in the month or received a kidney transplant in the past three months, including the month of transplant. All other months accrue to the A&D experience for the DC/KCC Rate Book. A beneficiary-month is based on the Federal Information Processing Standard (FIPS) county code where the beneficiary resides in either the first month within a CY that a beneficiary meets GPDC eligibility criteria or the FIPS county code where the beneficiary resides in the first month where there is a record for that beneficiary.

2.3 Construction of National Conversion Factor

The National Conversion Factor is constructed using a combination of the DC/KCC Expenditure data and the GPDC eligibility data.

The calculation of the National Conversion Factor is performed for the most recent BY used to construct the DC/KCC Rate Book and is conducted separately for the A&D and ESRD populations. The DC/KCC Rate

Book National Conversion Factor is calculated by dividing the DC/KCC Expenditures for the DC National Reference Population by the number of beneficiary months included in the expenditures.

The National Conversion Factor calculated for the most recent BY is then trended forward to the PY using an adjusted OACT⁴ FFS USPCC trend (with the removal of uncompensated care payments and addition of hospice expenditures) to determine the National Conversion Factor for the PY. For example, in PY2022, a National Conversion Factor will be calculated using 2019 data and trended forward to PY using the growth rate in this adjusted FFS USPCC from 2019 through 2022.

⁴ CMS Office of the Actuary (OACT).

3.0 County Relative Cost Indices

The County Relative Cost Index is comparable to the average geographic adjustment (AGA) in the MA Rate Book. The County Relative Cost Indices are based upon the ratio of the GAF-adjusted county level PBPM expenditure and the DC National Reference Population PBPM expenditure, risk standardized.

Because three rates are calculated for each county in each PY, three County Relative Cost Indices are calculated for each county: (1) an A&D index for A&D experience making use of the CMS Hierarchical Condition Category (HCC) A&D Prospective Risk Adjustment Model; (2) an A&D Index for A&D experience making use of the new CMMI-HCC A&D Concurrent Risk Adjustment Model; and (3) an ESRD Index making use of the CMS-HCC ESRD Prospective Risk Adjustment Model.

The section describes the development of the GAFs, the risk score models used in each rate book, and the calculation of the County Relative Cost Indices.

3.1 Construction of GAFs

Medicare FFS claim payment amounts reflect adjustments that have been made to payment amounts for geographic variations in the cost of doing business. These adjustments vary by FFS payment system. They include Area Wage Indices that are applied by various Prospective Payment Systems and the Geographic Practice Cost Indices that are applied by the Physician Fee Schedule. These geographic adjustments vary by geographic unit, and are updated annually. The DC/KCC Rate Book includes a GAF Index for each county. The GAF Index estimates the impact of differences between the geographic adjustments that were applied to historical expenditures in each of the three years used to construct the rate book and the geographic adjustments that will be applied in the performance year. GAFs are calculated separately for the A&D and ESRD Benchmarks.

To develop the GAF Index, claims data for each of the DC/KCC Rate Book's BYs are repriced using the most recently published FFS geographic price adjustments. Generally, these will be the geographic price adjustments that are used in the year prior to the GPDC/KCC performance year. For example, in developing the 2022 DC/KCC Rate Book, claims for 2017, 2018, and 2019 were repriced using the FFS geographic adjustments that are applied in CY2021. Repricing claims involves a two-step process. First, the impact of the geographic adjustments that were made in the CY in which those claims were incurred is removed, resulting in GAF-Standardized Payment. Second, the GAF-Standardized Payment is repriced using the most recently published FFS geographic adjustments to calculate a GAF-Adjusted Payment. The repricing of claims is "budget neutral" in the sense that the total repriced claim payment amounts are equal, at the national level, to the original claim payment amounts.

For each year, the repriced claims are summed by beneficiary county of residence, separately for beneficiary months that accrue to the A&D and ESRD Benchmarks. Finally, PY GAF Trend Indices are calculated for each county for A&D and for each state for ESRD, in each CY. GAF Trend Indices are calculated as follows:

$$\textit{GAF Trend Index} = \frac{\textit{GAF Adjusted Expenditure}}{\textit{Incurred Expenditure}}$$

A total of three GAF Trend Indices are used for each benchmark (Aged & Disabled / ESRD), one for each BY, as shown in **Table 3.1**, using PY2022 as an example.

Table 3.1. G	AF Indices	used for	GPDC	PY2022 ¹
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Calendar Year ²	PY GAF Index
2017	2017 Expenditure Adjusted to 2021
2017	2017 Incurred Expenditure
2040	2018 Expenditure Adjusted to 2021
2018	2018 Incurred Expenditure
	2019 Expenditure Adjusted to 2021
2019	2019 Incurred Expenditure

GAF = Geographic Adjustment Factors; PY = performance year.

The ESRD rates utilize a second GAF adjustment in order to account for county-level variation in Area Wage Indices within a state. This second index estimates the amount by which county-level spending PBPM would differ from state-wide spending because of differences between the Medicare FFS PY GAF Indices that are used to calculate payments for services provided to beneficiaries residing in the county in the performance year. This is referred to as the ESRD County PY GAF Adjustment and is applied to the statewide ESRD rate in order to determine a county-specific ESRD rate. The ESRD county rates reflect the average expenditure PBPM in the state during the baseline period adjusted for the impact of county-level FFS GAF factors.

The PY GAF Index calculates the impact of the PY GAF by comparing Medicare PBPM expenditures during the performance year to what they would have been if no geographic adjustment had been applied in the performance or baseline year. This adjustment is calculated as:

$$PY \ GAF \ Index = \frac{GAF \ Adjusted \ Expenditure}{GAF \ Standardized \ Expenditure}$$

Cross-sectional variation in Medicare FFS PBPM expenditures by county within a state is then calculated as follows:

$$ESRD\ County\ PY\ GAF\ Adjustment = \frac{County\ ESRD\ PY\ GAF\ Index}{Statewide\ Average\ ESRD\ PY\ GAF\ Index}$$

3.2 Risk Scores Used for DC/KCC Rate Book Standardization

To develop the DC/KCC Rate Book, risk scores are used to standardize expenditures so that the County Relative Cost Indices do not reflect differences in the demographic characteristics and health status of beneficiaries residing in each county. The county-level expenditures are risk standardized such that an average beneficiary included in the DC/KCC Rate Book's expenditures has a risk score of 1.0.

¹ For PY2022, the data used for the PY GAF Index are from 2021, which is the most currently available year. The PY GAF will always be repriced based upon PY_{N-1}.

² Note that due to the impact of COVID-19, 2020 is not being used as a base year for PY2022.

The county-level risk scores used in the development of the DC/KCC Rate Book will be calculated using a risk score methodology consistent with the MA Rate Book in the payment year. However, for each CY used in the DC/KCC Rate Book construction, risk scores will be normalized with respect to the DC National Reference Population to account for any difference in the average risk score within this specific population. The DC Reference Population Normalization Factor applied in the DC/KCC Rate Book development is simply:

 $DC \ Reference \ Population \ Normalization \ Factor_{Year} \\ = \frac{1}{Average \ DC \ Reference \ Pop \ Risk \ Score \ Produced \ by \ Payment \ Year \ Model_{Year}}$

This will ensure that the risk scores used to develop GPDC and KCC Benchmarks and calculate payment reflect the cost of beneficiary care relative to the average cost of a beneficiary eligible for the models.

Risk standardization of the DC/KCC Rate Book is achieved by dividing the county rates by the three-year weighted average risk score for each county.

The DC/KCC Rate Book uses three different types of risk scores: 1) CMS-HCC A&D prospective risk scores, which are used for Standard DCEs, New Entrant DCEs, and CKD4/5 beneficiaries in the CKCC Options of the KCC Model; 2) CMMI-HCC A&D concurrent risk scores, which are used for High Needs Population DCEs and are based on a new CMMI-HCC concurrent risk adjustment model; and 3) CMS-HCC ESRD prospective risk scores, which are used for ESRD beneficiaries in all DCE types and CKCC. These three risk scores will be used to develop the three different County Relative Cost Indices for each county.

For additional details on these risk scores, see the **Global and Professional Direct Contracting and Kidney Care Choices Models: Risk Adjustment** document.

3.3 County Relative Cost Indices

The County Relative Cost Index for each BY is the ratio of the GAF-adjusted and risk-standardized DC/KCC Expenditure PBPM of each county to the national average (weighted by eligible months) risk-standardized DC/KCC Expenditure PBPM in that year.

The process of calculating the final County Relative Cost Index for each county is illustrated in **Table 3.2**. For each DC/KCC Rate Book BY, the county-level DC/KCC Expenditure PBPM is multiplied by the GAF Index for that county for that DC/KCC Rate Book BY and divided by the DC Reference Population PBPM for that DC/KCC Rate Book BY. The result is the DC/KCC Rate Book BY County Index. Then, each of those county indices are averaged and divided by both the 3-year weighted average of the normalized risk scores and the national average geographic adjustment.

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⁵ The one exception is the risk scores used for A&D beneficiaries in High Needs Population DCEs. See Section 5.2 for additional details.

Table 3.2. Illustration of County Relative Cost Indices for three counties, Performance Year 2

Input	County A	County B	County C
2017 County DC/KCC Expenditure PBPM	\$982	\$1,032	\$892
TIMES: 2017 GAF Index	0.982	0.984	0.986
DIVIDE BY: DC National Reference Population PBPM 2017 ¹	\$980	\$980	\$980
EQUALS: 2017 County Index	0.984	1.036	0.897
2018 County DC/KCC Expenditure PBPM	\$1,003	\$1,108	\$901
TIMES: 2018 GAF Index	1.036	1.038	1.040
DIVIDE BY: DC National Reference Population PBPM 2018 ¹	\$990	\$990	\$990
EQUALS: 2018 County Index	1.050	1.162	0.947
2019 County DC/KCC Expenditure PBPM	\$960	\$1,190	\$924
TIMES: 2019 GAF Index	0.991	0.993	0.995
DIVIDE BY: DC National Reference Population PBPM 2019 ¹	\$995	\$995	\$995
EQUALS: 2019 County Index	0.956	1.187	0.924
AVERAGE: 2017, 2018, and 2019 County Indices (calculated above)	0.997	1.129	0.923
DIVIDE BY: 3-Year Weighted Average Normalized Risk Scores	0.830	1.060	0.982
DIVIDE BY: National Index ²	0.989	0.989	0.989
EQUALS: County Relative Cost Index	1.215	1.076	0.950

GPDC = Global and Professional Direct Contracting; GAF = Geographic Adjustment Factors; KCC = Kidney Care Choices; PBPM = per beneficiary per month.

For the ESRD Benchmark, DC/KCC Expenditures, the GAF Index, and risk scores are calculated at the state level. Therefore, the County Relative Cost Indices for the ESRD Benchmark reflect state averages. In a subsequent step, the County GAF Adjustment is applied to ESRD rates to account for differences in Area Wage Indices within each state.

¹ DC National Reference Population PBPM is equivalent to the National Conversion Factor for a single DC/KCC Rate Book Base Year

² National Index: The national average geographic adjustment, calculated as a weighted average of all the County Relative Cost Indices (uses 2019 enrollment). Dividing by this factor will ensure that the national average geographic adjustment is 1.0 across the 3 years.

4.0 Adjustments to County Rates

As with the MA Rate Book, several additional adjustments are applied to the county rates to achieve policy goals and improve accuracy for the model. Each of the adjustments described below are applied at the county level. The following equation illustrates the components of the county-level rates and how these additional adjustments are applied to produce the final rates.

County Rate = $(National\ Conversion\ Factor) \times (County\ Relative\ Index) \times (Zero\ Claims) \times (VADOD) \times (Credibility\ Adjustment)$

Zero Claims Adjustment

The proportion of beneficiaries in the Puerto Rico FFS population incurring no FFS claims in each county is significantly higher than in the rest of the United States. To account for the disproportionate number of beneficiaries with no FFS claims in Puerto Rico, CMS Office of the Actuary (OACT) applies a factor to the standardized per capita FFS costs in Puerto Rico. For purposes of making this adjustment to the MA Rate Book, OACT evaluated experience exclusively for beneficiaries that are enrolled in both Parts A and B and are not also eligible for Veterans Administration (VA) coverage.

The same logic applies to the GPDC and KCC Models (beneficiaries with no FFS claims are less likely to be enrolled in a DCE/KCE since claims-based alignment and voluntary alignment require some interaction with healthcare providers), and the percentage adjustment that is applied to the standardized Puerto Rico FFS rates in the MA Rate Book is also applied to Puerto Rico FFS rates in the DC/KCC Rate Book.

VA/Department of Defense (DoD) Adjustments

The DC/KCC Rate Book applies the same VA and DoD (U.S. Family Health Plan) adjustments to the county level PBPM FFS rates using the ratios reported in the MA Rate Book that applies to the model PY. This adjustment removes the impact of VA/DoD beneficiaries' experience on the county-level rates because these beneficiaries have care expenditure patterns that vary from FFS beneficiaries who are not covered by VA/DoD benefits. As with the zero claims adjustment above, this is included in the DC/KCC Rate Book because the same logic applies to GPDC and the KCC Model as to MA.

Credibility Adjustments

Although 3 years of experience are used to set County Relative Cost Indices, expenditures in small counties may have sufficient volatility that additional experience should be incorporated in setting the county benchmark. Similar to the MA Rate Book, ⁶ a credibility adjustment will be applied to small counties in the DC/KCC Rate Book. For counties with fewer than 1,000 members, county experience is blended with experience from the applicable Medicare Core Based Statistical Area (CBSA). If a county is not associated with a CBSA, the county experience will be blended with statewide experience.

The credibility formula applied is:

⁶ For documentation of the methodology, see the file *Medicare_FFS_Glossary_2022.pdf* (included in the *FFS Data 2019* download from the CMS website: https://www.cms.gov/Medicare/Health-Plans/MedicareAdvtgSpecRateStats/FFS-Data)

Credibility (Z) =
$$\sqrt{\frac{Average A \& B Beneficiaries}{1000}}^{7}$$

The credibility-adjusted county rate is then:

Credibility Adjusted PBPM = Pre-Credibility PBPM8
$$\times$$
 Z + CBSA PBPM \times (1 - Z)

Once the county-level rates are adjusted to account for credibility, a second adjustment is applied to counties with credibility less than 1.0 in order to maintain budget neutrality relative to the precredibility adjusted rates. ⁹ These budget neutrality factors are calculated at the state level.

Credibility Budget Neutral Factor_{State} =
$$\frac{a}{b}$$
, where

$$a = \sum_{\text{all ctys cred} < 1} (Pre\text{-}Credibility PBPM \times Average Part A \& B Enrollment})$$

$$b = \sum_{all\ ctys\ cred\ < 1}$$
 Credibility Adjusted PBPM × Average Part A & B Enrollment

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⁷ Average A & B Beneficiaries corresponds to the average number of FFS beneficiaries enrolled in Parts A & B in a given county, during the applicable year. For purposes of the credibility adjustment, we consider only beneficiaries in the DC National Reference Population.

⁸ Pre-Credibility PBPM = (National Conversion Factor) x (County Relative Index) x (Zero Claims) x (VADOD)

⁹ The budget neutrality adjustment is needed to prevent the credibility adjustment from resulting in rates that would, if applied to the entire GPDC-eligible population, result in a national average payment rate that is higher or lower than the average payment rate prior to applying the credibility adjustment.

5.0 Final Performance Year DC/KCC Rate Book

The DC/KCC Rate Book is comprised of three rates for each county. There are two rates for the A&D DC National Reference population, one based upon the CMS-HCC prospective risk scores (for A&D beneficiaries in Standard and New Entrant DCEs and CKD4/5 beneficiaries in KCEs), and one based upon the CMMI-HCC concurrent risk scores (for A&D beneficiaries in High Needs Population DCEs). There is also a rate for the ESRD DC National Reference population based upon the CMS-HCC prospective risk scores for ESRD beneficiaries in all types of DCEs and KCEs.

5.1 Construction of Final County Rate

Aged & Disabled county rates are the product of the National Conversion Factor and the County Relative Cost Index. This is illustrated in **Table 5.1**. Each rate is the regional rate component of the benchmark that would apply to a beneficiary with a risk score of 1.000.

Table 5.1.	Construction of	of A&D	DC/KCC R	ate Book
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County	County Relative Cost Index	National Conversion Factor	Calculation	County Rate
County A	0.953	\$850.00	= \$850.00 x 0.953	\$809.63
County B	1.190	\$850.00	= \$850.00 x 1.190	\$1,011.84
County C	0.936	\$850.00	= \$850.00 x 0.936	\$795.94
County D	0.833	\$850.00	= \$850.00 x 0.833	\$708.22
County E	0.909	\$850.00	= \$850.00 x 0.909	\$772.99

ESRD county rates are the product of the National Conversion Factor, the State Relative Cost Index, and the County GAF Adjustment, as illustrated in **Table 5.2**. Each rate is the regional rate component of the benchmark that would apply to a beneficiary with a risk score of 1.000.

Table 5.2. Construction of ESRD DC/KCC Rate Book

County	State Relative Cost Index	National Conversion Factor	County GAF Adjustment	Calculation	County Rate
County A	0.953	\$7300.00	0.9839	= \$7300.00 x 0.953 x 0.9839	\$6,844.89
County B	0.953	\$7300.00	0.9616	= \$7300.00 x 0.953 x 0.9616	\$6,689.76
County C	0.953	\$7300.00	1.0215	= \$7300.00 x 0.953 x 1.0215	\$7,106.47
County D	1.019	\$7300.00	0.9950	= \$7300.00 x 1.019 x 0.9950	\$7,401.51
County E	1.019	\$7300.00	1.0152	= \$7300.00 x 1.019 x 1.0152	\$7,551.77

For certain smaller counties, there may not be available baseline data to calculate a county-level GAF adjustment for ESRD rate. In these scenarios, the following hierarchy is used to determine the ESRD county rate:

- 1. If the county is part of a Core-Based Statistical Area (CBSA), a CBSA rate is assigned to the county. This CBSA rate is calculated as the eligible month-weighted average of the GAF-Adjusted County Rates for other counties within the CBSA.
- 2. If the county is not part of a CBSA, the county rate is equal to the state rate for the county.

5.2 Use of the DC/KCC Rate Book in the GPDC and KCC Model Financial Operations

As described above, there are three rates per county in the DC/KCC Rate Book. The use of each county rate is summarized by DCE/KCE type in **Table 5.3**.

Table 5.3. DC/KCC Rate Book rates and use in GPDC and Kidney Care Choices Models

County rate	Risk scores	DCE/KCE type	Use
	CMS-HCC Prospective	Standard DCE	 Regional blend in benchmark for claims-aligned A&D beneficiaries (PY2021–2026) Benchmark for voluntarily aligned A&D beneficiaries (PY2021–2024) Regional blend in benchmark for voluntarily aligned A&D beneficiaries (PY2025, PY2026)
A&D		New Entrant DCE	 Benchmark for all A&D beneficiaries (PY2021–2024) Regional blend in benchmark for all A&D beneficiaries (PY2025, PY2026)
		СКСС	 Regional blend in benchmark for all aligned Chronic Kidney Disease beneficiaries (PY2021– 2025)
		Standard DCE	 Regional blend in benchmark for claims-aligned ESRD beneficiaries (PY2021–2026) Benchmark for voluntarily aligned ESRD beneficiaries (PY2021–2024) Regional blend in benchmark for voluntarily aligned ESRD beneficiaries (PY2025, PY2026)
ESRD	CMS-HCC Prospective for ESRD	New Entrant DCE	 Benchmark for all ESRD beneficiaries (PY2021–2024) Regional blend in benchmark for all ESRD beneficiaries (PY2025, PY2026)
		High Needs Population DCE	 Benchmark for all ESRD beneficiaries (PY2021–2024) Regional blend in benchmark for all ESRD beneficiaries (PY2025, PY2026)
		СКСС	 Regional blend in benchmark for all aligned ESRD beneficiaries (PY2021–2025)
A&D	CMMI-HCC Concurrent	High Needs Population DCE	 Benchmark for all A&D beneficiaries (PY2021–2024) Regional blend in benchmark for all A&D beneficiaries (PY2025, PY2026)

A&D = Aged & Disabled; CMS = Centers for Medicare & Medicaid Services; CKCC = Comprehensive Kidney Care Contracting; CMMI = Center for Medicare & Medicaid Innovation; GPDC = Global and Professional Direct Contracting;

DCE = Direct Contracting Entity; ESRD = End-Stage Renal Disease; HCC = Hierarchical Condition Category; KCC = Kidney Care Choices; KCE = Kidney Contracting Entity; MA = Medicare Advantage; PY = Performance Year

The benchmarking methodologies for the GPDC and KCC Models, including the incorporation of the DC/KCC Rate Book into the benchmark, are detailed in the *Global and Professional Direct Contracting Model: Financial Operating Guide: Overview* paper and its *Companion Documents* and the *Kidney Care Choices: Financial Operating Guide: Overview* paper, respectively.

Appendix 16

Appendix

Appendix Table 1. Comparison between MA Rate Book and DC/KCC Rate Book construction

Feature	MA Rate Book	DC/KCC Rate Book	Reason for difference	
Base years used to	5 base years, 2-	3 base years, 1-year	This change aligns the	
develop County	year interval	interval between base	number of years used to	
Relative Cost	between base	year 3 and the	develop both the historical	
Indices	year 5 and the	performance year	and regional components of	
	performance year	,	the GPDC and KCC financial	
			benchmarks.	
Expenditure	Removes hospice	Includes hospice care	Hospice care is provided	
	care expenditure	expenditure for FFS	under the GPDC and KCC	
	for FFS	beneficiaries; removes	Models, so hospice	
	beneficiaries	uncompensated care	expenditures are included in	
		payments	the county rates.	
			Uncompensated care is not	
			included in expenditures for	
			the GPDC and KCC Models so	
			are removed from the county	
			rates.	
Reference sample	All FFS	Beneficiaries must be	This change aligns the	
	beneficiaries	enrolled in Part A and Part	reference sample for the	
	(A&D: enrolled in	B, not enrolled in MA,	DC/KCC Rate Book to the	
	Part A or Part B,	have Medicare listed as	population of Medicare	
	ESRD: enrolled in	the primary payer, and be	beneficiaries eligible to	
	Part A <i>and</i> Part	a U.S. resident	participate in the GPDC and	
	B), not enrolled		KCC Models.	
	in MA; for ESRD,			
	must have			
	Medicare as			
	primary payer			
Geographic	County level expen	ditures are adjusted using	Not applicable	
Adjustment Factors	Geographic Adjustr			
Risk scores used to		ores, calculated using the	Not applicable	
develop County	· · · · · · · · · · · · · · · · · · ·	adjustment model, are used		
Relative Cost		base year expenditures.		
Indices		el PBPM indices are risk-		
		on the weighted average		
	normalized risk scores			
Puerto Rico	Zero Claims Adjustment to counties in Puerto		Not applicable	
adjustment	Rico		Not a selected	
Veterans		eneficiary per month	Not applicable	
Administration/	•	ove the impact of Veterans		
Department of	· ·	partment of Defense		
Defense adjustment	beneficiaries' experience on county-level rates			

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Feature	MA Rate Book	DC/KCC Rate Book	Reason for difference
Credibility	For counties with fewer than 1,000 members,		Not applicable
adjustment	county experience	is blended with experience	
	from the applicable	e Core-Based Statistical Area	
GME adjustment	Adjustment to	GME is not included in	Not applicable
	remove GME	county rates	
	expenditures		
	from MA county		
	rates		
IME adjustment	Adjustment to	IME is included in county	IME expenditures are
	phase-out IME	rates without a phase-out	included in GPDC and KCC
	expenditures		Model Benchmarks and
	from MA county		therefore need to be in the
	rates		county rates for consistency.
Kidney Acquisition	Adjustment to remove Kidney Acquisition		Not applicable
Cost adjustment	Costs from county	rates	
Quartile adjustment	Statutory	Not applied to county	There is no statutory
	adjustment to	rates	requirement to adjust rates
	county rates		based on quartiles for the
	based on rate		GPDC or KCC Models, nor are
	quartile		there specific GPDC or KCC
			Model policy goals achieved
			by including them in the
			DC/KCC Rate Book.
Quality bonus	Adjustment to	Not applied to county	There is no quality bonus
	county rates	rates	payment mechanism in the
	based on MA		GPDC or KCC Models.
	organization		
	achievement of		
	quality standards		

FFS = fee-for-service; GPDC = Global and Professional Direct Contracting; GME = Graduate Medical Education; IME = Indirect Medical Education; KCC = Kidney Care Choices; MA = Medicare Advantage.