

## Melanoma Resection Measure

### Merit-based Incentive Payment System (MIPS): Measure Information Form (MIF)

2026 Performance Period

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# 1.0 Introduction

This document details the methodology for the Melanoma Resection measure and should be reviewed along with the Melanoma Resection Measure Codes List file, which contains the medical codes used in constructing the measure.

## 1.1 Measure Name

Melanoma Resection episode-based cost measure

## 1.2 Measure Description

Episode-based cost measures represent the cost to Medicare for the items and services provided to a patient during an episode of care (“episode”). In all supplemental documentation, “cost” generally means the standardized<sup>1</sup> Medicare allowed amount,<sup>2</sup> and claims data from Medicare Parts A and B are used to construct the episode-based cost measures.

The Melanoma Resection episode-based cost measure evaluates a clinician’s risk-adjusted cost to Medicare for patients who undergo an excision procedure to remove a cutaneous melanoma during the performance period. The measure score is the clinician’s risk-adjusted cost for the episode group averaged across all episodes attributed to the clinician. This procedural measure includes costs of services that are clinically related to the attributed clinician’s role in managing care during each episode from 30 days prior to the clinical event that opens, or “triggers,” the episode through 90 days after the trigger.

## 1.3 Measure Rationale

In the United States, the average age when melanoma is diagnosed is 65, with incidence and melanoma-specific mortality increasing with age and peaking in those aged 65-74 years.<sup>3</sup> It is estimated that over 196,000 cases of melanoma will be newly diagnosed in 2020. Furthermore, it is estimated that the total annual treatment costs for melanoma are \$3.3 billion annually, a figure that is anticipated to continue to rise due to the increasing incidence of melanoma.<sup>4</sup>

The Melanoma Resection episode-based cost measure was selected for development based on input from an expert clinician committee—the Dermatologic Disease Management Clinical Subcommittee—because of its impact in terms of patient population and clinician coverage, and the opportunity for incentivizing cost-effective, high-quality clinical care in this clinical area.

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<sup>1</sup> Claim payments are standardized to account for differences in Medicare payments for the same service(s) across Medicare providers. Payment standardized costs remove the effect of differences in Medicare payment among health care providers that are the result of differences in regional health care provider expenses measured by hospital wage indexes and geographic price cost indexes (GPCIs) or other payment adjustments such as those for teaching hospitals. For more information, please refer to the “CMS Part A and Part B Payment Standardization - Basics” and “CMS Part A and B Payment Standardization - Detailed Methods” documents posted on the [CMS Price \(Payment\) Standardization Overview page](https://resdac.org/articles/cms-price-payment-standardization-overview). (<https://resdac.org/articles/cms-price-payment-standardization-overview>).

<sup>2</sup> Cost is defined by allowed amounts on Medicare claims data, which include both Medicare trust fund payments and any applicable beneficiary deductible and coinsurance amounts.

<sup>3</sup> Howlader N, Noone AM, Krapcho M, Miller D, Brest A, Yu M, Ruhl J, Tatalovich Z, Mariotto A, Lewis DR, Chen HS, Feuer EJ, Cronin KA (eds). SEER Cancer Statistics Review, 1975-2016, National Cancer Institute. Bethesda, MD, [https://seer.cancer.gov/csr/1975\\_2016/](https://seer.cancer.gov/csr/1975_2016/), based on November 2018 SEER data submission, posted to the SEER web site, April 2019.

<sup>4</sup> “Skin Cancer Facts & Statistics: What You Need to Know” Skin Cancer Facts and Statistics. Skin Cancer Foundation. Accessed May 1, 2020. <https://www.skincancer.org/skin-cancer-information/skin-cancer-facts/>

Based on the initial recommendations from the Clinical Subcommittee, the subsequent measure-specific clinician expert workgroup provided extensive, detailed input on this measure.

## **1.4 Measure Numerator**

The cost measure numerator is the sum of the ratio of observed to expected<sup>5</sup> payment-standardized cost to Medicare for all Melanoma Resection episodes attributed to a clinician. This sum is then multiplied by the national average observed episode cost to generate a dollar figure.

## **1.5 Measure Denominator**

The cost measure denominator is the total number of episodes from the Melanoma Resection episode group attributed to a clinician.

## **1.6 Data Sources**

The Melanoma Resection cost measure uses the following data sources in addition to public use files:

- Medicare Part A and B claims data from the Common Working File (CWF)
- Common Medicare Environment (CME)
- Standardized Medicare Parts A and B payment data from the Integrated Data Repository (IDR)
- Long Term Care Minimum Data Set (LTC MDS)<sup>6</sup>

## **1.7 Care Settings**

Methodologically, the Melanoma Resection cost measure can be triggered based on claims data from: ambulatory surgical centers (ASC), ambulatory/office-based care, and hospital outpatient department (HOPD).

## **1.8 Cohort**

The cohort for this cost measure consists of patients who are Medicare beneficiaries enrolled in Medicare fee-for-service and who undergo an excision procedure to remove a cutaneous melanoma that triggers a Melanoma Resection episode.

The cohort for this cost measure is also further refined by the definition of the episode group and measure-specific exclusions (refer to Section 4).

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<sup>5</sup> Expected costs refer to costs predicted by the risk adjustment model. For more information on expected costs and risk adjustment, please refer to Section 4.5.

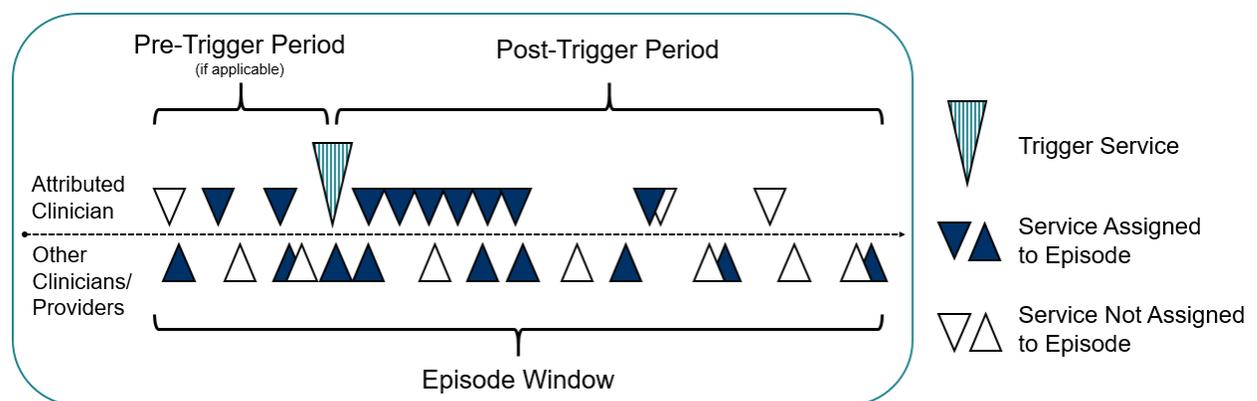
<sup>6</sup> For information on how LTC MDS data are used in risk adjustment, please refer to Section 4.5.

## 2.0 Methodology Steps

There are 2 overarching processes in calculating episode-based cost measure scores: episode construction (Steps 1-3) and measure calculation (Steps 4-6). This section provides a brief one-page summary of these processes for the Melanoma Resection cost measure. Section 4 describes the processes in detail.

1. **Trigger and define an episode:** Episodes are defined by billing codes that open, or “trigger,” an episode. The episode window starts 30 days before the trigger and ends 90 days after the trigger. To enable meaningful clinical comparisons, episodes are placed into more granular, mutually exclusive and exhaustive sub-groups based on clinical criteria. Some episodes may also be excluded based on other information available at the time of the trigger.
2. **Attribute the episode to a clinician:** For this procedural episode group, an attributed clinician is any clinician who bills a trigger code for the episode group on the day of the procedure.
3. **Assign costs to the episode and calculate the episode observed cost:** Clinically related services occurring during the episode window are assigned to the episode. The cost of the assigned services is summed to determine each episode’s standardized observed cost.

**Figure 1. Diagram Showing an Example of a Constructed Episode**



4. **Exclude episodes:** Exclusions remove unique groups of patients from cost measure calculation in cases where it may be impractical and unfair to compare the costs of caring for these patients to the costs of caring for the cohort at large.
5. **Calculate expected costs for risk adjustment:** Risk adjustment aims to isolate variation in clinician costs to only the costs that clinicians can reasonably influence (e.g., accounting for patient age, comorbidities and other factors). A regression analysis is run using the risk adjustment variables as covariates to estimate the expected cost of each episode. Then, statistical techniques are applied to reduce the effect of extreme outliers on measure scores.
6. **Calculate the measure score:** For each episode, the ratio of standardized total observed cost (from Step 3) to risk-adjusted expected cost (from Step 5) is calculated and averaged across all of a clinician’s or clinician group’s attributed episodes to obtain the average episode cost ratio. The average episode cost ratio is multiplied by the national average observed episode cost to generate a dollar figure for the cost measure score.

## 3.0 Measure Specifications Quick Reference

This section provides a quick, at-a-glance reference for the Melanoma Resection episode-based cost measure specifications. More details on each component can be found in Section 4, and the full list of codes and logic used to define each component can be found within the Measure Codes List file.

### **Episode Window:** During what time period are costs measured?

Pre-Trigger Window: 30 days

Post-Trigger Window: 90 days

### **Triggers:** Patients receiving what medical care are included in the measure?

- Current Procedural Terminology / Healthcare Common Procedure Coding System (CPT/HCPCS) code indicating melanoma resection by removal of malignant growth, adjacent tissue transfer or rearrangement procedures, or tissue transfer repairs of wound
- An episode is only triggered when the CPT/HCPCS procedure code is also accompanied by an ICD-10 diagnosis code for either malignant melanoma of skin (C43) or melanoma in situ (D03)

### **Sub-Groups:** What are the mutually exclusive types of episodes?

1. Head/Neck Melanoma
2. Trunk/Extremity Melanoma

### **Service Assignment:** Which clinically related costs are included in the measure?

Assigned services generally fall within the following clinical themes:

- Primary resection; secondary excision; secondary reconstruction; lymph node services; infection; wound care
- Other surgical complications; other inpatient hospitalizations; other imaging; other emergency department visits; other post-acute care; other home health services; other pre-operative outpatient services; other post-operative outpatient services

### **Risk Adjustors:** Which risk factors are accounted for in the risk adjustment model?

- Standard risk adjustors, including comorbidities captured by 86 Hierarchical Condition Category (HCC) codes that map with thousands of ICD-10-CM diagnosis codes, interaction variables accounting for a range of comorbidities, patient age category, patient disability status, patient end-stage renal disease (ESRD) status, and recent use of institutional long-term care.
- Measure-specific risk adjustors including melanoma site (e.g., eyelid, lip, nose, ear), resection size and tissue transfer or rearrangement size, presence of flap/graft reconstructive procedures, and patients undergoing chemotherapy/immunotherapy.
- For the full list of standard and measure-specific risk adjustment variables, please reference the “RA” and “RA\_Details” tabs of the Measure Codes List file.

### **Exclusions:** Which populations are excluded from measure calculation?

- Standard exclusions to ensure data completeness:
  - The patient has a primary payer other than Medicare for any time overlapping the episode window or 120-day lookback period prior to the trigger day.
  - The patient was not enrolled in Medicare Parts A and B for the entirety of the lookback period plus episode window, or was enrolled in Part C for any part of the lookback plus episode window.
  - No main clinician is attributed the episode.
  - The patient’s date of birth is missing.
  - The patient’s death date occurred before the episode ended.
  - The episode trigger claim was not performed in an ambulatory/office-based care, outpatient hospital, or ASC setting based on its place of service.
- Measure-specific exclusions including Mohs surgery performed for melanoma. For the full list of measure-specific exclusions, please reference the “Exclusions” and “Exclusions\_Details” tabs of the Measure Codes List file.

## 4.0 Detailed Measure Methodology

This section contains the technical details for the 2 overarching processes in calculating episode-based cost measure scores in more detail: Sections 4.1 through 4.3 describe episode construction and Sections 4.4 through 4.6 describe measure calculation.

### 4.1 Trigger and Define an Episode

Melanoma Resection episodes are defined by Current Procedural Terminology / Healthcare Common Procedure Coding System (CPT/HCPCS) codes on Part B Physician/Supplier (Carrier) claims that open, or trigger, an episode. For the codes and logic relevant to this section please refer to the “Triggers” tab(s) in the Melanoma Resection Measure Codes List.

The steps for defining an episode for the Melanoma Resection episode group are as follows:

- **Identify** Part B Physician/Supplier claim lines with positive standardized payment that have a trigger code.
- **Trigger** an episode if all the following conditions are met for an identified Part B Physician/Supplier claim line:
  - It was billed by a clinician of a specialty that is eligible for MIPS.
  - It does not have a post-operative modifier code.<sup>7</sup>
  - It is the highest cost claim line across all claim lines identified in the above bullets and that have any Melanoma Resection trigger code billed for the patient on that day.
- **Establish** the episode window as follows:
  - Establish the episode trigger date as the expense date of the trigger claim line identified in the "Trigger an episode" bullet above.
  - Establish the episode start date as 30 days prior to the episode trigger date.
  - Establish the episode end date as 90 days after the episode trigger date.

Once a Melanoma Resection episode is triggered, the episode is placed into one of the episode sub-groups to enable meaningful clinical comparisons. Sub-groups represent more granular, mutually exclusive and exhaustive patient populations defined by clinical criteria (e.g., information available on the patient’s claims at the time of the trigger). Sub-groups are useful in ensuring clinical comparability so that the corresponding cost measure fairly compares clinicians with a similar patient case-mix.

Codes used to define the sub-groups can be found in the “Sub\_Groups\_Details” tab of the Melanoma Resection Measure Codes List file. This cost measure has 2 sub-groups:

- Head/Neck Melanoma
- Trunk/Extremity Melanoma

### 4.2 Attribute Episodes to a Clinician

Once an episode has been triggered and defined, it is attributed to one or more clinicians of a specialty that is eligible for MIPS. Clinicians are identified by Taxpayer Identification Number (TIN) and National Provider Identifier (NPI) pairs (TIN-NPI), and clinician groups are identified by TIN. Only clinicians of a specialty that is eligible for MIPS or clinician groups where the triggering clinician is of a specialty that is eligible for MIPS are attributed episodes. For codes

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<sup>7</sup> Post-operative modifier codes indicate that a clinician billing the service was not involved in the main procedure but was involved in the post-operative care for that procedure, and as such the post-operative clinician would not be responsible for the trigger.

relevant to this section, please refer to the “Attribution” tab of the Melanoma Resection Measure Codes List.

The steps for attributing a Melanoma Resection episode are as follows:

- **Identify** claim lines with positive standardized payment for any trigger codes that occur on the episode trigger day.
- **Designate** a TIN-NPI as a main clinician if the following conditions are met:
  - No assistant modifier code is found on one or more claim lines billed by the clinician.
  - No exclusion modifier code is found on the same claim line.
- **Designate** a TIN-NPI as an assistant clinician if the following conditions are met:
  - The TIN-NPI was not designated as a main clinician.
  - An assistant modifier code is found.
  - No exclusion modifier code is found.
- **Attribute** an episode to any TIN-NPI designated as a main or assistant clinician.
- **Attribute** episodes to the TIN by aggregating all episodes attributed to NPIs that bill to that TIN. If the same episode is attributed to more than one NPI within a TIN, the episode is attributed only once to that TIN.

Future attribution rules may benefit from the implementation of patient relationship categories<sup>8</sup> and codes.<sup>9</sup> As required by Section 101(f) of the Medicare Access and CHIP Reauthorization Act of 2015 (MACRA), CMS will consider how to incorporate the patient relationship categories into episode-based cost measurement methodology as clinicians and billing experts gain experience with them.<sup>10</sup>

### 4.3 Assign Costs to an Episode and Calculate Total Observed Episode Cost

Services, and their Medicare costs, are assigned to an episode only when clinically related to the attributed clinician’s role in managing patient care during the episode. Assigned services may include treatment and diagnostic services, ancillary items, services directly related to treatment, and those furnished as a consequence of care (e.g., complications, readmissions, unplanned care, and emergency department visits). Unrelated services are not assigned to the episode. For example, the cost of care for a chronic condition that occurs during the episode but is not related to the clinical management of the patient relative to the excision procedure to remove a cutaneous melanoma would not be assigned.

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<sup>8</sup> The MACRA Patient Relationship Categories aim to distinguish the relationship and responsibility of a clinician with a patient at the time of furnishing an item or service, thereby facilitating the attribution of patients and episodes to one or more clinicians for purposes of measure score calculations. For more information on Patient Relationship Categories, please refer to the [Patient Relationship Categories and codes operational list](https://www.cms.gov/Medicare/Quality-Initiatives-Patient-Assessment-Instruments/Value-Based-Programs/MACRA-MIPS-and-APMs/CMS-Patient-Relationship-Categories-and-Codes.pdf). (<https://www.cms.gov/Medicare/Quality-Initiatives-Patient-Assessment-Instruments/Value-Based-Programs/MACRA-MIPS-and-APMs/CMS-Patient-Relationship-Categories-and-Codes.pdf>)

<sup>9</sup> The MACRA Patient Relationship Codes are Healthcare Common Procedure Coding System (HCPCS) Level II modifier codes that clinicians report on claims to identify their patient relationship category. For the Patient Relationship Codes, please refer to [Table 27 of the CY 2018 Physician Fee Schedule final rule](https://www.federalregister.gov/d/2017-23953/p-2203). (<https://www.federalregister.gov/d/2017-23953/p-2203>)

<sup>10</sup> For more information on the Patient Relationship Categories and Codes, please download the [Patient Relationship Categories and Codes FAQ](https://qpp-cm-prod-content.s3.amazonaws.com/uploads/236/Patient-Relationship-Categories-and-Codes-webinar-FAQ.pdf). (<https://qpp-cm-prod-content.s3.amazonaws.com/uploads/236/Patient-Relationship-Categories-and-Codes-webinar-FAQ.pdf>)

To ensure that only clinically related services are included, services during the episode window are assigned to the episode based on a series of service assignment rules, which are listed in the “Service\_Assignment” tab of the Melanoma Resection Measure Codes List file.

For the Melanoma Resection episode group, only services performed in the following service categories are considered for assignment to the episode costs:

- Emergency Department (ED)
- Outpatient (OP) Facility and Clinician Services
- Inpatient (IP) - Medical
- IP - Surgical
- Inpatient Rehabilitation Facility (IRF) - Medical
- Durable Medical Equipment, Prosthetics, Orthotics, and Supplies (DME)
- Home Health (HH)

In addition to service category, service assignment rules may be modified based on the service category in which the service is performed, as listed above. Service assignment rules may also be defined based on specific (i) service information alone or service information combined with diagnosis information, (ii) prior incidence of service, and/or (iii) the timing of the service, as detailed below.

- Services may be assigned to the episode based on the following service information combinations:
  - High level service code alone
  - High level service code combined with first 3 digits of the International Classification of Diseases – 10<sup>th</sup> Revision diagnosis code (3-digit ICD-10 diagnosis code)
  - High level service code combined with full ICD-10 diagnosis code
  - High level service code combined with more specific service code
  - High level service code combined with more specific service code and with 3-digit ICD-10 diagnosis code
  - High level service code combined with more specific service code and with full ICD-10 diagnosis code
- Assigned services may be further refined by prior incidence of service or diagnosis:
  - Services may be assigned unconditionally (regardless of prior incidence of the service in patient’s recent claims history).
  - Services may be assigned if newly occurring.
  - Services may be assigned in combination with a diagnosis if the service is newly occurring.
  - Services may be assigned in combination with a diagnosis if the diagnosis is newly occurring.
  - Services may be assigned in combination with a diagnosis if either the service OR the diagnosis are newly occurring.
  - Services may be assigned in combination with a diagnosis if both the service AND the diagnosis are newly occurring.
- Services as defined by the applicable combinations and incidence options above may be assigned with only specific timing:
  - Services may be assigned based on whether or not the service occurs before the trigger (in the pre-trigger window) and/or after the trigger (in the post-trigger window).

- Services may be assigned only if they occur within a particular number of days from the trigger within the episode window, and services may be assigned for a period shorter than the full duration of the episode window.

The steps for assigning costs are as follows:

- **Identify** all services on claims with positive standardized payment that occur within the episode window.
- **Assign** identified services to the episode based on the types of service assignment rules described above.
- **Assign** all claims with trigger codes occurring during the trigger day/stay.
- **Assign** all physician claims and DME claims occurring during the concurrent IP stay as applicable.
- **Assign** all IP evaluation and management (E/M) claims during IP stays in the post-trigger window assigned to episode as applicable.
- **Sum** standardized Medicare allowed amounts for all claims assigned to each episode to obtain the standardized total observed episode cost.

#### Service Assignment Example

- Clinician A performs an excision procedure to remove a cutaneous melanoma for Patient K. This service triggers a Melanoma Resection episode, which is attributed to Clinician A.
- Clinician B treats the patient for surgical site infection, which is considered a clinically related service, during the episode window.
- Because treatment for surgical site infection during the episode window is considered to be clinically related to the initial excision procedure to remove a cutaneous melanoma, the cost of the treatment for surgical site infection will be assigned to Clinician A's Melanoma Resection episode.

## 4.4 Exclude Episodes

Before measure calculation, episode exclusions are applied to remove certain episodes from measure score calculation. Certain exclusions are applied across all procedural episode groups, and other exclusions are specific to this measure, based on consideration of the clinical characteristics of a homogenous patient cohort. The measure-specific exclusions are listed in the “Exclusions” and “Exclusions\_Details” tabs in the Melanoma Resection Measure Codes List file.

The steps for episode exclusion are as follows:

- **Exclude** episodes from measure calculation if:
  - The patient has a primary payer other than Medicare for any time overlapping the episode window or 120-day lookback period prior to the trigger day.
  - The patient was not enrolled in Medicare Parts A and B for the entirety of the lookback period plus episode window, or was enrolled in Part C for any part of the lookback plus episode window.
  - No main clinician is attributed the episode.
  - The patient's date of birth is missing.
  - The patient's death date occurred before the episode ended.
  - The episode trigger claim was not performed in an ambulatory/office-based care, outpatient hospital, or ASC setting based on its place of service.
- **Apply** measure-specific exclusions, which check the patient's Medicare claims history for certain billing codes (as specified in the Measure Codes List file) that indicate the presence of a particular procedure, condition, or characteristic.

## 4.5 Estimate Expected Costs through Risk Adjustment

Risk adjustment is used to estimate expected episode costs in recognition of the different levels of care patients may require due to comorbidities, disability, age, and other risk factors. The risk adjustment model includes variables from the CMS Hierarchical Condition Category Version 24 (CMS-HCC V24) 2021 Risk Adjustment Model,<sup>11</sup> as well as other standard risk adjustors (e.g., patient age) and variables for clinical factors that may be outside the attributed clinician's reasonable influence. A full list of risk adjustment variables can be found in the "RA" and "RA\_Details" tabs of the Melanoma Resection Measure Codes List file.

Steps for defining risk adjustment variables and estimating the risk adjustment model are as follows:

- **Define** HCC and episode group-specific risk adjustors using service and diagnosis information found on the patient's Medicare claims history in the 120-day period prior to the episode trigger day (or the timing specified in the "RA\_Details" tab of the Measure Codes List file) for certain billing codes that indicate the presence of a procedure, condition, or characteristic.
- **Define** other risk adjustors that rely upon Medicare beneficiary enrollment and assessment data as follows:
  - Identify patients who are originally "Disabled without ESRD" or "Disabled with ESRD" using the original reason for joining Medicare field in the Medicare beneficiary CME data.
  - Identify patients with ESRD if their enrollment indicates ESRD coverage, ESRD dialysis, or kidney transplant in the Medicare beneficiary CME data in the lookback period.
  - Identify patients who have spent at least 90 days in a long-term care institution without having been discharged to the community for 14 days, based on LTC MDS assessment data, during the lookback period.
- **Drop** risk adjustors that are defined for less than 15 episodes nationally for each sub-group to avoid using very small samples.
- **Categorize** patients into age ranges using their date of birth information in the Medicare beneficiary CME data. If an age range has a cell count less than 15, collapse this in the next adjacent age range category towards the reference category (65-69).

The following steps are performed separately for each sub-group.

- **Run** a log-linear regression model to estimate the relationship between all the risk adjustment variables and the dependent variable, the episode observed cost calculated from the previous step, to obtain the episode expected cost.
- **Re-transform** values from log scale to original (untransformed) cost scale to obtain the expected episode cost.
- **Exclude** episodes with residual values less than the 1st percentile or higher than the 99th percentile to mitigate the impact that these episodes could have on the measure scores, and renormalize the expected cost after removal of outliers.

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<sup>11</sup> CMS uses an HCC risk adjustment model to calculate risk scores. The HCC model ranks diagnoses into categories that represent conditions with similar cost patterns. Higher categories represent higher predicted healthcare costs, resulting in higher risk scores. The 86 HCC codes included in the CMS-HCC V24 model are mapped to thousands of ICD-10-CM diagnosis codes.

## 4.6 Calculate Measure Scores

Measure scores are calculated for a TIN or TIN-NPI as follows:

- Calculate the ratio of observed to expected episode cost for each episode attributed to the clinician/clinician group.
- Calculate the average ratio of observed to expected episode cost across the total number of episodes attributed to the clinician/clinician group.
- Multiply the average ratio of observed to expected episode cost by the national average observed episode cost to generate a dollar figure representing risk-adjusted average episode cost.

The clinician-level or clinician group practice-level risk-adjusted cost for any attributed clinician (or clinician group practice) “j” can be represented mathematically as:

$$\text{Measure Score}_j = \left( \frac{1}{n_j} \sum_{i \in I_j} \frac{Y_{ij}}{\hat{Y}_{ij}} \right) \left( \frac{1}{n} \sum_J \sum_{i \in \{I_j\}} Y_{ij} \right)$$

where:

$Y_{ij}$	is the standardized payment for episode $i$ and attributed clinician (or clinician group practice) $j$
$\hat{Y}_{ij}$	is the expected standardized payment for episode $i$ and clinician (or clinician group practice) $j$ , as predicted from risk adjustment
$n_j$	is the number of episodes for clinician (or clinician group practice) $j$
$n$	is the total number of TIN/TIN-NPI attributed episodes nationally
$i \in \{I_j\}$	is all episodes $i$ in the set of episodes attributed to clinician (or clinician group practice) $j$

A diagram demonstrating a visual depiction of an example measure calculation can be found in Appendix A.

A lower measure score indicates that the observed episode costs are lower than or similar to expected costs for the care provided for the particular patients and episodes included in the calculation, whereas a higher measure score indicates that the observed episode costs are higher than expected for the care provided for the particular patients and episodes included in the calculation.

# Appendix A. Measure Calculation Example

The diagram below provides an illustrated example of measure calculation, using an example measure where the clinician has only 4 attributed episodes for demonstration purposes. For more details on measure calculation, please refer to Section 4.6.

Figure A-1. Episode-Based Cost Measure Calculation Example

