

Measure Information Form

1. **Measure Name/Title** ([CMS Consensus-Based Entity \[CBE\] Measure Submission Form](#) , Measure Specifications sp.01)

Measurement of Normalized Protein Catabolic Rate (nPCR) for Pediatric Hemodialysis Patients

2. **Descriptive Information**

2.1 Measure Type

- ☒ process
- ☐ outcome
- ☐ PRO-PM
- ☐ cost /resource use
- ☐ efficiency
- ☐ structure
- ☐ intermediate outcome
- ☐ population health
- ☐ composite
 - ☐ process
 - ☐ outcome
 - ☐ other
- ☐ other

2.2 Brief Description of Measure (CMS CBE Measure Submission Form, Measure Specifications sp.02 and sp.06)

Percentage of patient months of pediatric (< 18 years old) in-center hemodialysis patients (irrespective of frequency of dialysis) with documented monthly nPCR measurements.

2.3 If Paired or Grouped (CMS CBE Measure Submission Form, Measure Specifications sp.03)

N/A

3. **Measure Specifications**

3.1 Measure-Specific Webpage (CMS CBE Measure Submission Form, Measure Specifications sp.09)

N/A

- 3.2 If this is an electronic clinical quality measure (eCQM) (CMS CBE Measure Submission Form, Measure Specifications sp.10)

N/A

- 3.3 Data Dictionary, Code Table, or Value Sets (CMS CBE Measure Submission Form, Measure Specifications sp.11)

EQRS Data Elements:

- UPI
- Facility CCN
- Patient date of birth
- Patient date of death
- Primary type of treatment ID (EQRS dialysis type)
- Number of dialysis sessions per week
- Medicare certified services offered as of 12/31 of the performance period
- Additional services offered (non-Medicare) as of 12/31 of the performance period
- BUN pre-dialysis
- BUN post-dialysis
- Pre-dialysis weight
- Pre-dialysis weight unit of measure
- Post-dialysis weight
- Post-dialysis weight unit of measure
- Delivered minutes of BUN HD session
- First date of ESRD (see Section)

Claims Based Data Elements:

Note: Only Type of Bill (TOB) 72x claims are considered in the measure calculation.

- Claim control number
- Claim-from date
- Claim through date
- Claim CCN
- Patient health insurance claim number
- Patient date of death
- Patient date of birth

- 3.4 For an instrument-based measure (CMS CBE Measure Submission Form, Measure Specifications sp.23 and sp.24)

N/A

- 3.5 Updates since last submission (CMS CBE Measure Submission Form, Specifications: Maintenance Update spma.01 and spma.02)

N/A

- 3.6 Numerator Statement (CMS CBE Measure Submission Form, Measure Specifications sp.12)

Number of patient months in the denominator with monthly nPCR measurements.

- 3.7 Numerator Details (CMS CBE Measure Submission Form, Measure Specifications sp.13)

The number of patients in the study month where (1) nPCR value and the date the nPCR were collected and reported or (2) the following 7 components used to calculate nPCR (BUN pre-dialysis, BUN post-dialysis, pre-dialysis weight, pre-dialysis weight unit of measure, post-dialysis weight, post-dialysis weight unit of measure, and delivered minutes of BUN hemodialysis session), and the date of collection are all reported.

- 3.8 Denominator Statement (CMS CBE Measure Submission Form, Measure Specifications sp.14)

Number of all patient months for pediatric (less than 18 years old) in-center hemodialysis patients (irrespective of frequency of dialysis).

- 3.9 Denominator Details (CMS CBE Measure Submission Form, Measure Specifications sp.15)

A patient may only be assigned to one dialysis facility each month. For each patient, the dialysis provider at each point in time are identified primarily using data from EQRS, the Medical Evidence Form CMS-2728, and Medicare dialysis claims. Patient assignment to provider and modality (either HD or peritoneal dialysis [PD]) are both determined according to the information reported in the above-mentioned data sources.

For each reporting month, patients are required to have been indicated as treated by the facility for the complete month in order to be included in the denominator. If a patient transfers in or out of the facility, discontinues dialysis, recovers renal function, or dies anytime during the month, the entire patient-month is excluded. The number of sessions is not considered and the patient may not have received treatment at the facility for the entire month to be included. For example, if a patient is hospitalized or travels during the month, the patient may still be included in the facility's measure if they are indicated as the facility's patient that month according to the data as described above. Additionally, patients for whom the only evidence of dialysis treatment is the existence of Medicare claims are considered lost to follow-up and removed from a

facility's analysis one year following the last claim, if there is no earlier evidence of transfer, recovery, or death. In other words, if a period of one year passes with neither Medicare dialysis claims nor EQRS information to indicate that a patient is receiving dialysis treatment, we consider the patient lost to follow-up, and do not include the patient in the calculations.

3.10 Denominator Exclusions (CMS CBE Includes "Exception" in the "Exclusion" Field) (CMS CBE Measure Submission Form, Measure Specifications sp.16)

Exclusions that are implicit in the denominator definition include:

- Adult patients (≥ 18 years old)
- Patients not assigned to the facility for the entire month
- Home HD patients

3.11 Denominator Exclusion Details (CMS CBE Includes "Exception" in the "Exclusion" Field) (CMS CBE Measure Submission Form, Measure Specifications sp.17)

N/A

3.12 Stratification Details/Variables (CMS CBE Measure Submission Form, Measure Specifications sp.18)

N/A

3.13 Risk Adjustment Type (CMS CBE Measure Submission Form, Measure Specifications sp.19)

- ☒ no risk adjustment or risk stratification
- ☐ stratification by risk category/subgroup
- ☐ statistical risk model
- ☐ other

3.14 Type of Score (CMS CBE Measure Submission Form, Measure Specifications sp.20)

- ☐ count
- ☒ rate/proportion
- ☐ ratio
- ☐ categorical (e.g., yes or no)
- ☐ continuous variable (CV) (e.g., an average)
- ☐ composite/scale
- ☐ other (specify) Click or tap here to enter text.

3.15 Interpretation of Score (CMS CBE Measure Submission Form, Measure Specifications sp.21)

Better quality = Higher score

3.16 Calculation Algorithm/Measure Logic (CMS CBE Measure Submission Form, Measure Specifications sp.22)

To be included in the denominator for a particular month, the patient must be on in-center hemodialysis for the entire month, must be < 18 years old at the beginning of the month, and must be assigned to that facility for the entire month. An individual patient may contribute up to 12 patient-months per year.

The numerator counts the number of patients in the study month where (1) nPCR value and the date the nPCR were collected and reported or (2) the components that allow calculation of nPCR (blood urea nitrogen [BUN] pre-dialysis, BUN post-dialysis, pre-dialysis weight, pre-dialysis weight unit of measure, post-dialysis weight, post-dialysis weight unit of measure, and delivered minutes of BUN hemodialysis session) and the date of collection are all known.

3.17 Sampling (CMS CBE Measure Submission Form, Measure Specifications sp.25 and sp.26)

N/A

3.18 Survey/Patient-Reported Data (CMS CBE Measure Submission Form, Measure Specifications sp.27)

N/A

3.19 Data Source (CMS CBE Measure Submission Form, Measure Specifications sp.28)

- ☐ administrative data
- ☒ claims data
- ☐ paper patient medical records
- ☐ electronic patient medical records
- ☐ electronic clinical data
- ☒ registries
- ☐ standardized patient assessments
- ☐ patient-reported data and surveys
- ☐ non-medical data
- ☐ other—describe in 3.20 (CMS CBE Measure Submission Form, Measure Specifications sp.29)

3.20 Data Source or Collection Instrument (CMS CBE Measure Submission Form, Measure Specifications sp.29)

See list of data elements from Medicare Claims and EQRS provided above.

3.21 Data Source or Collection Instrument (Reference) (CMS CBE Measure Submission Form, Measure Specifications sp.30)

N/A

3.22 Level of Analysis (CMS CBE Measure Submission Form, Measure Specifications sp.07)

- ☐ individual clinician
- ☐ group/practice
- ☒ hospital/facility/agency
- ☐ health plan
- ☐ accountable care organization
- ☐ geographic population
- ☐ other (specify) Click or tap here to enter text.

3.23 Care Setting (CMS CBE Measure Submission Form, Measure Specifications sp.08)

- ☐ ambulatory surgery center
- ☐ clinician office/clinic
- ☐ outpatient rehabilitation
- ☐ urgent care – ambulatory
- ☐ behavioral health: inpatient
- ☐ behavioral health: outpatient
- ☒ dialysis facility
- ☐ emergency medical services/ambulance
- ☐ emergency department
- ☐ home health
- ☐ hospice
- ☐ hospital
- ☐ hospital: critical care
- ☐ hospital: acute care facility
- ☐ imaging facility
- ☐ laboratory
- ☐ pharmacy
- ☐ nursing home/skilled nursing facility (SNF)
- ☐ inpatient rehabilitation facility (IRF)
- ☐ long-term acute care
- ☐ birthing center
- ☐ no applicable care setting
- ☐ other (specify) Click or tap here to enter text.

3.24 Composite Measure ([CMS CBE Composite Measure Submission Form](#) , Measure Specifications

N/A