Project Title:

Anemia

Project Overview:

The Centers for Medicare & Medicaid Services (CMS) has contracted with the University of Michigan Kidney Epidemiology and Cost Center (UM-KECC) develop measures of anemima in ESRD patients. The contract name is ESRD Quality Measure Development, Maintenance, and Support. The contract number is HHSM-500-2013-13017I.

Date:

Information included is current on September 25, 2015

Measure Name

Descriptive Information

Measure Name (Measure Title De.2.)
Monthly Hemoglobin Measurement for Pediatric Patients

Measure Type De.1.
Process

Brief Description of Measure De.3.
Percentage of patient months of pediatric (less than 18 years) in-center hemodialysis, home hemodialysis, and peritoneal dialysis patients who have monthly measures for hemoglobin during the reporting period.

If Paired or Grouped De.4.
N/A

Subject/Topic Areas De.5.
Renal, Renal: End Stage Renal Disease (ESRD)

Crosscutting Areas De 6.
N/A

Measure Specifications

Measure-specific Web Page S.1.
N/A

If This Is an eMeasure S.2a.
N/A

Data Dictionary, Code Table, or Value Sets S.2b.
No data dictionary

For Endorsement Maintenance S.3.
No significant revisions have been made to this measure.

Numerator Statement S.4.
Number of patient months of pediatric (less than 18 years old) in-center hemodialysis, home hemodialysis, and peritoneal dialysis patients with a measurement of hemoglobin

during the reporting period. The hemoglobin value reported for the end of each reporting month (end-of-month hemoglobin) is used for the calculation.

Time Period for Data S.5.
The entire calendar month.

Numerator Details S.6.
The numerator will be determined by counting all patient months in the denominator that include values for 'Hemoglobin' and 'Hemoglobin Collection Date.' A valid hemoglobin value is defined as between 5-20 g/dL

Denominator Statement S.7.
All patient months for pediatric (less than 18 years old) in-center hemodialysis, home hemodialysis, and peritoneal dialysis patients under the care of the dialysis facility for the entire reporting month.

Target Population Category S.8.
Children's Health, Populations at Risk

Denominator Details S.9.
Patients are included in the facility calculation if "Admit Date" to the specified facility is prior or equal to the first day of the study period, AND the patient has not been discharged ("Discharge Date" is null or blank), OR "Discharge Date" from the facility is greater than or equal to the last day of the study period. The patient's age will be determined by subtracting the patient's date of birth from the first day of the reporting month. All patients under the facility's care for the entire calendar month and are less than 18 years of age will be included in the denominator.

Denominator Exclusions (NQF Includes "Exceptions" in the "Exclusion" Field) S.10.
Exclusions that are implicit in the denominator definition include all patients >=18 years and those who have not been in the facility the entire reporting month (transient patients). There are no additional exclusions for this measure.

Denominator Exclusion Details (NQF Includes "Exceptions" in the "Exclusion" Field) S.11.
None.

Stratification Details/Variables S.12.
N/A

Risk Adjustment Type S.13.
No risk adjustment or risk stratification

Statistical Risk Model and Variables S.14.
N/A

Detailed Risk Model Specifications S.15.
N/A

Type of Score S.16.
Rate/proportion

Interpretation of Score S.17.
Better quality = Higher score

Calculation Algorithm/Measure Logic S.18.
Patients are included in the facility calculation if "Admit Date" to the specified facility is prior or equal to the first day of the study period, AND the patient has not been discharged ("Discharge Date" is null or blank), OR "Discharge Date" from the facility is greater than or equal to the last day of the study period. The patient's age will be determined by subtracting the patient's date of birth from the first day of the reporting month. All in-center HD, home HD, and PD patients under the facility's care for the entire calendar month and are less than 18 years of age will be included in the denominator. The numerator will be determined by counting all patients in the denominator who have values for 'Hemoglobin' and 'Hemoglobin Collection Date.'

Calculation Algorithm/Measure Logic Diagram URL or Attachment S.19.
No diagram provided

Sampling S.20.
N/A

Survey/Patient-Reported Data S.21.
N/A

Missing Data S.22.
N/A

Data Source S.23.
Electronic Clinical Data

Data Source or Collection Instrument S.24.
CROWNWeb

Data Source or Collection Instrument (Reference) S.25.
No data collection instrument provided

Level of Analysis S.26.
Facility

Care Setting S.27.
Dialysis Facility

Composite Performance Measure S.28.
N/A