

Malnutrition Care Score

Specification Manual

July 2025

Overview of the Malnutrition Care Score (MCS)

The MCS electronic Clinical Quality Measure (eCQM) assesses the percentage of inpatient hospitalizations where care performed was appropriate to the patient's level of malnutrition risk and/or severity. An eligible encounter during the measurement period is a patient visit for adults aged 18 years and older at the start of an inpatient encounter, with a length of stay of 24 hours or greater, and *without* a discharge disposition for hospice care or a hospice care order during the visit. Malnutrition care best practices recommend that for each hospitalization, adult inpatients are screened for malnutrition risk, assessed to confirm findings, and if identified with a "moderate" or "severe" malnutrition status during the nutrition assessment, receive a current malnutrition diagnosis, and have a current nutrition care plan performed.

The MCS is a multi-score, continuous variable, intermediate outcome eCQM constructed of four measure observations aggregated as an arithmetic average of eligible hospitalizations during a measurement period. MCS scores can range from 0% to 100%, with higher scores indicating better performance. The measure population for each of the four component measures is the same: "inpatient hospitalizations during the measurement period for adults aged 18 years and older at the start of an inpatient encounter with a length of stay equal to or greater than 24 hours or greater." In addition, the measure has the exclusion of inpatient visits with discharge disposition for hospice care or a hospice care order during the visit.

There are six measure observation scores calculated in the MCS. The first four calculations correspond to the four measure observations. The fifth calculation is the "Total Malnutrition Components Score" (sum of the four measure observations), and the sixth calculation is the "Total Malnutrition Care Score as a Percentage".

Table 1. Description of MCS Component Measures

Measure Observation (MO)	Measure Observation Details	Staff Involved
MO 1: Malnutrition Risk Screening	Identifies hospital encounters where a "Malnutrition Risk Screening" was performed and documented with a current identified "Malnutrition Screening Not At Risk Result" OR a current identified "Malnutrition Screening At Risk Result" OR a "Dietitian Referral" order is present. In the case of multiple malnutrition risk screenings within the same encounter, the measure will prioritize a "Not At Risk" result.	Eligible professional
MO 2: Nutrition Assessment	Identifies hospital encounters where a "Nutrition Assessment" was performed and documented with an identified "Nutrition Assessment Status Finding of Well Nourished or Not Malnourished or Mildly Malnourished", OR "Nutrition Assessment Status Finding of Moderately Malnourished", OR "Nutrition Assessment Status Finding of Severely Malnourished" AND there is a documented "Malnutrition Screening At Risk Result" or "Dietitian Referral" order. In the case of multiple Nutrition Assessments within the same encounter, the measure will prioritize the most recent result.	RD/ RDN
MO 3: Malnutrition Diagnosis	Identifies hospital encounters where a current "Malnutrition Diagnosis" was documented AND a "Nutrition Assessment Status Moderately Malnourished" OR "Nutrition Assessment Status Severely Malnourished" was documented	A physician or other eligible clinician
MO 4: Nutrition Care Plan	Identifies hospital encounters where a current "Nutrition Care Plan" was performed AND "Nutrition Assessment Status Moderately Malnourished" OR "Nutrition Assessment Status Severely Malnourished" was documented	RD/ RDN

Source: [Malnutrition Care Score | eCQI Resource Center](#)

Additional Measure Specification Resources

The MCS eCQM is fully specified for use in electronic health records (EHRs). Details of the measure can be found at [Malnutrition Care Score 5.4.000](#). The machine-readable specifications are available on the [Electronic Clinical Quality Improvement \(eCQI\) Resource Center](#). Please refer to the MCS [CMS986-v5.4.000-QDM.zip](#)

for additional eCQM implementation resources.

Malnutrition Care Score (MCS) Specification Details

Title: Malnutrition Caree Score

Description: This measure assesses the percentage of eligible encounters for adults aged 18 years and older at the start of the inpatient encounter during the measurement period with a length of stay equal to or greater than 24 hours who received optimal malnutrition care appropriate to the patient's level of malnutrition risk and severity. The MCS has specifications that exclude patients with a discharge disposition for hospice care or a hospice care order during the visit. Malnutrition care best practices recommend that for each eligible encounter, adult inpatients are (1) screened for malnutrition risk or a dietitian referral order is placed, (2) assessed by a registered dietitian (RD) or registered dietitian nutritionist (RDN) to confirm findings of malnutrition risk, and if identified with a "moderate" or "severe" malnutrition status in the current performed malnutrition assessment, (3) receive a "moderate" or "severe" malnutrition diagnosis by a physician or eligible clinician as defined by the Centers for Medicare & Medicaid Services (CMS), and (4) have a current nutrition care plan performed by an RD/RDN.

Rationale: The components of this measure are supported by clinical guidance that recommends the following: (1) malnutrition screening for patients admitted into the acute inpatient care setting; (2) nutrition assessment for patients identified at risk for malnutrition or with a dietitian referral order to form the basis for appropriate nutrition interventions; (3) appropriate recognition, diagnosis, and documentation of the nutrition status of a patient in order to (4) address their condition with an appropriate plan of care and communicate patient needs to other care providers.

The process for risk identification, assessment, diagnosis, and treatment of malnutrition necessitates a multi-disciplinary care team that begins with the identification of an initial risk population for a more thorough assessment by the RD/RDN. The RD/RDN in turn, provides the necessary treatment recommendations to address nutritional problems utilizing a nutrition diagnosis and care plan, along with the clinical indicators that inform a medical diagnosis of malnutrition completed by a physician or eligible clinician as defined by CMS. The four measure observations individually will only provide a fraction of the necessary information on quality of care for patients at risk of or with malnutrition. For example, knowing which patients have been assessed out of those who were initially identified as at risk, but not knowing if the appropriate proportion of patients were screened upon admission, would be an insufficient assessment of quality of care.

Implementation of this measure supports timely malnutrition risk screening and referral to RDNs for appropriate nutrition assessment of identified patients during the current hospitalization. For patients identified with moderate or severe malnutrition by nutrition assessment, best practice also recommends a medical diagnosis by a physician or other eligible clinician and the execution of the nutrition care plan by the RD/RDN. Outcomes

modeling, and those reported in other studies, demonstrate the benefits to patient outcomes, including reduced risk of 30-day readmissions, length of hospital stays, and complications, as well as improved quality of life after hospitalization.

Initial Population: Eligible encounters during the measurement period with length of stay of 24 hours or more among individuals 18 years of age and older at the start of the inpatient encounter.

Exclusions and Exceptions: Encounters with a discharge disposition for hospice care or with a hospice care order during the inpatient qualifying encounter

Measure Observations:

1. Encounters with Malnutrition Risk Screening and Identified Result or Dietitian Referral
2. Encounters with Most Recent Nutrition Assessment and Identified Status
3. Encounters with Malnutrition Diagnosis
4. Encounters with Nutrition Care Plan
5. Measure Observation Total Malnutrition Components Score
6. Measure Observation Total Malnutrition Care Score as Percentage

Measure Observation 1, 2, 3, and 4 clinical activities may be performed during Emergency Department or Observation Encounter adjacent to the applicable eligible inpatient encounter.

Risk Adjustment or Stratification: None

MCS Value Sets:

- valueset "Encounter Inpatient" (2.16.840.1.113883.3.666.5.307)
- valueset "Ethnicity" (2.16.840.1.114222.4.11.837)
- valueset "Federal Administrative Sex" (2.16.840.1.113762.1.4.1021.121)
- valueset "Hospice Care Referral or Admission" (2.16.840.1.113762.1.4.1116.365)
- valueset "Hospice Status" (2.16.0840.1.113762.1.4.1095.101)
- valueset "Dietitian Referral" (2.16.840.1.113762.1.4.1095.91)
- valueset "Malnutrition Diagnosis" (2.16.840.1.113762.1.4.1095.55)
- valueset "Malnutrition Risk Screening" (2.16.840.1.113762.1.4.1095.92)
- valueset "Malnutrition Screening Finding of At Risk Result" (2.16.840.1.113762.1.4.1095.89)

- valueset "Malnutrition Screening Finding of Not At Risk Result" (2.16.840.1.113762.1.4.1095.34)
- valueset "Nutrition Assessment" (2.16.840.1.113762.1.4.1095.21)
- valueset "Nutrition Assessment Status Finding of Moderately Malnourished" (2.16.840.1.113762.1.4.1095.47)
- valueset "Nutrition Assessment Status Finding of Severely Malnourished" (2.16.840.1.113762.1.4.1095.43)
- valueset "Nutrition Assessment Status Finding of Well Nourished or Not Malnourished or Mildly Malnourished" (2.16.840.1.113762.1.4.1095.96)
- valueset "Nutrition Care Plan" (2.16.840.1.113762.1.4.1095.93)
- valueset "Payer Type " (2.16.840.1.114222.4.11.3591)
- valueset "Race" (2.16.840.1.114222.4.11.836)

Data Collection Approach: The MCS is specified for use with electronic health records (EHR) measure reporting. The XML-based specifications are mapped in hospital EHRs to collect necessary data elements for the measure calculations. The eCQM specification data elements and value sets are specified with nationally standardized coding terminologies.

Data Accuracy: Variation may exist at the level of appropriate data documentation for the required data elements. The data elements represent performance of discrete care processes, and the accuracy of the data is dependent on the hospital EHR structure and completeness, data element mapping, and hospital staff documentation.

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Component Measure 1: Malnutrition Risk Screening and Identified Result

Description: Eligible Encounters with a "Malnutrition Risk Screening" performed or authored during the encounter (including preceding observation or emergency department encounters) with an identified "Malnutrition Screening Finding of Not At Risk Result" or "Malnutrition Screening Finding of At Risk Result". A Dietitian Referral also qualifies for this measure, whether there is a "Malnutrition Risk Screening" performed or not.

Measure Observation 1 Calculation Logic:

if ("Encounter with Malnutrition Risk Screening and Identified Result" contains Encounter
or ("Encounter with Dietitian Referral" contains Encounter)) then 1
else 0

Measure Observation 1 Value Sets:

Value Set Name	Type	OID	Code System
Malnutrition Risk Screening	Extensional	2.16.840.1.113762.1.4.1095.92	LOINC
Malnutrition Screening Finding of Not at Risk Result	Extensional	2.16.840.1.113762.1.4.1095.34	LOINC
Malnutrition Screening Finding of At Risk Result	Grouping	2.16.840.1.113762.1.4.1095.89	SNOMEDCT LOINC
Dietitian Referral	Extensional	2.16.840.1.113762.1.4.1095.91	SNOMEDCT

Component Measure 2: Nutrition Assessment

Description: Eligible Encounters for patients with a documented “Nutrition Assessment” performed by an RD/RDN, after a "Malnutrition Screening Finding of At Risk Result" or a "Dietitian Referral" order from a physician or eligible clinician during the current encounter. In the case of multiple Nutrition Assessments performed, the measure logic will prioritize the most recent result.

Measure Observation 2 Calculation Logic:

if ("Encounter with Malnutrition Not at Risk Result and without Dietitian Referral") contains Encounter then 0

else if ("Encounter With Most Recent Nutrition Assessment And Identified Status" contains Encounter

) then 1

else 0

Measure Observation 2 Value Sets:

Value Set Name	Type	OID	Code System
Nutrition Assessment	Extensional	2.16.840.1.113762.1.4.1095.21	LOINC
Nutrition Status Finding of Well Nourished or Not Malnourished or Mildly Malnourished	Grouping	2.16.840.1.113762.1.4.1095.96	SNOMEDCT LOINC
Nutrition Assessment Status Finding of Moderately Malnourished	Grouping	2.16.840.1.113762.1.4.1095.47	SNOMED CT LOINC
Nutrition Assessment Status Finding of Severely Malnourished	Grouping	2.16.840.1.113762.1.4.1095.43	SNOMEDCT LOINC

Component Measure 3: Malnutrition Diagnosis

Description: Eligible Encounters for patients with a documented "Malnutrition Diagnosis" by physician or other eligible clinician based on the most recent finding of "Nutrition Assessment Status Finding of Moderately Malnourished" OR current "Nutrition Assessment Status Finding of Severely Malnourished".

Measure Observation 3 Calculation Logic:

if ("Encounter with Malnutrition Not at Risk Result and without Dietitian Referral")
contains Encounter
or ("Encounter With Most Recent Nutrition Assessment Status of Not or Mildly
Malnourished") contains Encounter then 0
else if ("Encounter with Malnutrition Diagnosis" contains Encounter
and "Encounter With Most Recent Nutrition Assessment And Identified Status"
contains Encounter
) then 1
else 0

Measure Observation 3 Value Sets:

Value Set Name	Type	OID	Code System
Malnutrition Diagnosis	Grouping	2.16.840.1.113762.1.4.1095.55	SNOMEDCT ICD-10

Component Measure 4: Nutrition Care Plan

Description: Eligible Encounters for patients with a documented "Nutrition Care Plan" performed by registered dietitian (RD) or registered dietitian nutritionist (RDN) based on the most recent finding of "Nutrition Assessment Status Moderately Malnourished" OR current "Nutrition Assessment Status Severely Malnourished".

Measure Observation 4 Calculation Logic:

```
if ( "Encounter with Malnutrition Not at Risk Result and without Dietitian Referral" )  
contains Encounter  
or ( "Encounter With Most Recent Nutrition Assessment Status of Not or Mildly  
Malnourished" ) contains Encounter then 0  
else if ( "Encounter with Nutrition Care Plan" contains Encounter  
and "Encounter With Most Recent Nutrition Assessment And Identified Status"  
contains Encounter  
) then 1  
else 0
```

Measure Observation 4 Value Set:

Value Set Name	Type	OID	Code System
Nutrition Care Plan	Extensional	2.16.840.1.113762.1.4.1095.93	SNOMEDCT

Component Measure 5: Total Malnutrition Components Score

Description: Subtotal of Measure Observations 1 through 4 that were performed. To calculate episode performance of measure observations 1-4, calculate “1” for performed and “0” for not performed for the eligible hospitalization. To calculate “Measure Observation Total Malnutrition Components Score” episode performance, sum "Measure Observation 1" + "Measure Observation 2" + "Measure Observation 3" + "Measure Observation 4". Measure Observation 5 can have values of 0, 1, 2, 3, or 4.

Measure Observation 5 Calculation Logic:

Sum ({“Measure Observation 1”(Encounter), "Measure Observation 2"(Encounter), "Measure Observation 3"(Encounter), "Measure Observation 4"(Encounter)})

Measure Observation 5 Value Sets: None

Component Measure 6: Total Malnutrition Care Score Eligible Occurrence

Description: For each Eligible Encounter, Measure Observation 6 represents the sum of performed observations 1,2,3, and 4, then divided by the number of clinically eligible occurrences. To calculate “Measure Observation Total Malnutrition Care Score as Percentage” episode performance, divide “Measure Observation Total Malnutrition Components Score” by “Total Malnutrition Care Score Eligible Occurrences”, then multiply the result by 100 to calculate the percentage. The result can be either 0%, 50%, 75%, or 100%.

The value of the Total Malnutrition Care Score Eligible Occurrence will always be 4 except in the following circumstances:

- Equals 1 if a Malnutrition Risk Screening was performed and a Malnutrition Screening Finding of Not at Risk Result was identified AND a Dietitian Referral was not ordered.
- Equals 2 if a Malnutrition Risk Screening was performed and a Malnutrition Screening Finding of Not At Risk Result was identified, and Dietitian Referral was ordered - AND -
If the most recent "Nutrition Assessment" performed has a result of "Nutrition Status Finding of Well Nourished or Not Malnourished or Mildly Malnourished" – OR -
"Malnutrition Risk Screening" was performed and a "Malnutrition Screening Finding of At Risk Result" was identified but the “Nutrition Assessment” was not performed.

Measure Observation 6 Calculation Logic:

```
Total Malnutrition Composite Score Eligible Occurrences
if ( "Encounter with Malnutrition Screening Not At Risk Result" contains Encounter
    and not ( "Encounter with Dietitian Referral" contains Encounter)
) then 1
else if ( ( "Encounter with Malnutrition Screening At Risk Result" contains Encounter
    or ( "Encounter with Dietitian Referral" contains Encounter)
)
    and "Encounter With Most Recent Nutrition Assessment Status of Not or Mildly
Malnourished" contains Encounter
)
    or not ( "Encounter With Most Recent Nutrition Assessment And Identified Status"
contains Encounter ) then 2
else 4
```

Measure Observation Total Malnutrition Care Score as a Percentage:

```
100 * ( "Measure Observation Total Malnutrition Components Score"(Encounter) /
"Total Malnutrition Care Score Eligible Occurrences"(Encounter) )
```

Measure Observation 6 Value Sets: None

MCS Episode Calculation and Rate Aggregation

The eCQM [CMS986-v5.4.000-QDM.zip](#) specifications are used by implementers to calculate episode and rate aggregation performance scores for the MCS overall performance and four component measures.

MCS Rate Aggregation:

- For the reporting facility, the Aggregate Operator “Count” counts the number of eligible hospitalizations during the measurement period.
- For the reporting facility, the Aggregate Operator “Average” averages the performance of each “Total Malnutrition Composite Score as Percentage” across all eligible hospitalizations during the measurement period.

MCS Specific Value Sets (available in the Value Set Authority Center or VSAC)

Value Set Name	Type	OID	Code System	Code	Description
Malnutrition Risk Screening	Extensional	2.16.840.1.113762.1.4.1095.92	LOINC	101807-6	Malnutrition risk screen results indicator
				98967-3	Nutritional Risk Screening 2002 Panel
				98968-1	Initial screening NRS_2002
				98972-3	Final screening NRS_2002
Malnutrition Screening Finding of Not at Risk Result	Extensional	2.16.840.1.113762.1.4.1095.34	LOINC	33699-2	Not at risk for malnutrition
Malnutrition Screening Finding of At Risk Result			Grouping	2.16.840.1.113762.1.4.1095.89	
Malnutrition Screening Finding of At Risk Result	Extensional	2.16.840.1.113762.1.4.1095.38	SNOMEDCT	129689002	At risk for nutritional problem (finding)
				129845004	At risk for imbalanced nutrition, less than body requirements (finding)
				700361001	Predicted inadequate nutrient intake (finding)
				704361005	At risk of deficient food intake (finding)
Malnutrition Screening Finding of At Risk Result	Extensional	2.16.840.1.113762.1.4.1095.94	LOINC	27538-0	At risk for malnutrition

Value Set Name	Type	OID	Code System	Code	Description
Dietitian Referral	Extensional	2.16.840.1.113762.1.4.1095.91	SNOMEDCT	306354000	Referral to hospital-based dietitian (procedure)
				306165000	Referral to hospital-based dietetics service (procedure)
				103699006	Referral to dietitian (procedure)
				408285001	Referral to pediatric dietitian (procedure)
Nutrition Assessment	Extensional	2.16.840.1.113762.1.4.1095.21	LOINC	75282-4	Nutrition assessment panel
				75285-7	Comparative nutrition assessment standards panel
				75303-8	Nutrition assessment Narrative
				75304-6	Nutrition status observation panel
				101819-1	Nutritional assessment for malnutrition status
Nutrition Status Finding of Well Nourished or Not Malnourished or Mildly Malnourished			Grouping	2.16.840.1.113762.1.4.1095.96	
Nutrition Status Finding of Well Nourished or Not Malnourished or Mildly Malnourished	Extensional	2.16.840.1.113762.1.4.1095.48	SNOMEDCT	248324001	Well nourished (finding)

Value Set Name	Type	OID	Code System	Code	Description
Nutrition Status Finding of Well Nourished or Not Malnourished or Mildly Malnourished	Extensional	2.16.840.1.113762.1.4.1095.95	LOINC (cont.)	33701-6	Well nourished
				33702-4	Not malnourished
				33703-2	Mildly malnourished
Nutrition Assessment Status Finding of Moderately Malnourished			Grouping	2.16.840.1.113762.1.4.1095.47	
Nutrition Assessment Status Finding of Moderately Malnourished	Extensional	2.16.840.1.113762.1.4.1095.44	SNOMEDCT	102636009	Chronic nutritional deficiency (finding)
				190606006	Moderate protein energy malnutrition (disorder)
				448765001	Unintentional weight loss (finding)
				238107002	Deficiency of macronutrients (disorder)
				238111008	Deficiency of micronutrients (disorder)
				441961000124100	Acute disease or injury-related malnutrition (disorder)
				441971000124107	Chronic disease-related malnutrition (disorder)
65404009	Undernutrition (disorder)				

Value Set Name	Type	OID	Code System	Code	Description
Nutrition Assessment Status Finding of Moderately Malnourished	Extensional	2.16.840.1.113762.1.4.1095.44	SNOMEDCT (cont.)	70241007	Nutritional deficiency disorder (disorder)
				285588004	Nutrition deficiency due to insufficient food (disorder)
				2492009	Nutritional disorder (disorder)
Nutrition Assessment Status Finding of Moderately Malnourished	Extensional	2.16.840.1.113762.1.4.1095.98	LOINC	33704-0	Moderately malnourished
Nutrition Assessment Status Finding of Severely Malnourished			Grouping	2.16.840.1.113762.1.4.1095.43	
Nutrition Assessment Status Finding of Severely Malnourished	Extensional	2.16.840.1.113762.1.4.1095.42	SNOMED	102635008	Acute nutritional deficiency (finding)
				272588001	Malnutrition (calorie) (disorder)
				371597004	Emaciated (finding)
				238108007	Cachexia (finding)
				788876001	Cachexia due to malignant neoplastic disease (finding)
				772791006	Sarcopenia (disorder)
				441951000124102	Starvation-related malnutrition (disorder)
				56882008	Anorexia nervosa (disorder)
				722959000	Anorexia nervosa co-occurrent with dangerously low body weight (disorder)

Value Set Name	Type	OID	Code System	Code	Description
Nutrition Assessment Status Finding of Severely Malnourished	Extensional	2.16.840.1.113762.1.4.1095.42	SNOMED (cont.)	722960005	Anorexia nervosa co-occurrent with significantly low body weight (disorder)
				432788009	Pediatric failure to thrive (disorder)
Nutrition Assessment Status Finding of Severely Malnourished (cont.)	Extensional	2.16.840.1.113762.1.4.1095.42	SNOMED	77675002	Anorexia nervosa, restricting type (disorder)
				723919008	Significantly low body weight co-occurrent and due to anorexia nervosa of restricting type (disorder)
				723917005	Dangerously low body weight co-occurrent and due to anorexia nervosa of restricting type (disorder)
				281583001	Nutritional wasting (disorder)
				288517002	Wasting disease (disorder)
				54840006	Failure to thrive (disorder)
				129588001	Adult failure to thrive syndrome (disorder)
Nutrition Assessment Status Finding of Severely Malnourished	Extensional	2.16.840.1.113762.1.4.1095.97	LOINC	33705-7	Severely malnourished

Value Set Name	Type	OID	Code System	Code	Description
Malnutrition Diagnosis	Grouping	2.16.840.1.113762.1.4.1095.55			
Malnutrition Diagnosis	Extensional	2.16.840.1.113762.1.4.1095.53	SNOMEDCT	190606006	Moderate protein energy malnutrition (disorder)
				238107002	Deficiency of macronutrients (disorder)
				238111008	Deficiency of micronutrients (disorder)
				272588001	Malnutrition (calorie) (disorder)
				441951000124102	Starvation-related malnutrition (disorder)
				441961000124100	Acute disease or injury-related malnutrition (disorder)
				441971000124107	Chronic disease-related malnutrition (disorder)
				65404009	Undernutrition (disorder)
				70241007	Nutritional deficiency disorder (disorder)
				56882008	Anorexia nervosa (disorder)
				722959000	Anorexia nervosa co-occurrent with dangerously low body weight (disorder)
				722960005	Anorexia nervosa co-occurrent with significantly low body weight (disorder)
77675002	Anorexia nervosa, restricting type (disorder)				

Value Set Name	Type	OID	Code System	Code	Description
Malnutrition Diagnosis	Extensional	2.16.840.1.113762.1.4.1095.53	SNOMEDCT (cont.)	723919008	Significantly low body weight co-occurrent and due to anorexia nervosa of restricting type (disorder)
				723917005	Dangerously low body weight co-occurrent and due to anorexia nervosa of restricting type (disorder)
				281583001	Nutritional wasting (disorder)
				288517002	Wasting disease (disorder)
				285588004	Nutrition deficiency due to insufficient food (disorder)
				102635008	Acute nutritional deficiency (finding)
				371597004	Emaciated (finding)
				2492009	Nutritional disorder (disorder)
				102636009	Chronic nutritional deficiency (finding)
				54840006	Failure to thrive (disorder)
				129588001	Adult failure to thrive syndrome (disorder)
				772791006	Sarcopenia (disorder)
				238108007	Cachexia (finding)
				788876001	Cachexia due to malignant neoplastic disease (finding)
432788009	Pediatric failure to thrive (disorder)				

Value Set Name	Type	OID	Code System	Code	Description
Malnutrition Diagnosis	Extensional	2.16.840.1.113762.1.4.1095.54	ICD-10	E43	Unspecified severe protein-calorie malnutrition
				E44.0	Moderate protein-calorie malnutrition
				E46	Unspecified protein-calorie malnutrition
				T73.0XXA	Starvation, initial encounter
				T73.0XXD	Starvation, subsequent encounter
				T73.0XXS	Starvation, sequela
				M62.84	Sarcopenia
				R62.7	Failure to thrive
				R64	Cachexia
				E63.9	Nutritional deficiency, unspecified
				E40	Kwashiorkor
				E41	Nutritional marasmus
				E42	Marasmic kwashiorkor
				E45	Retarded development following protein-calorie malnutrition
E64.0	Sequelae of protein-calorie malnutrition				

Value Set Name	Type	OID	Code System	Code	Description
Malnutrition Diagnosis	Extensional	2.16.840.1.113762.1.4.1095.54	ICD-10 (cont.)	O25.10	Malnutrition in pregnancy, applicable to female patients aged 12-55
				O25.11	Malnutrition in pregnancy, first trimester
				O25.12	Malnutrition in pregnancy, second trimester
				O25.13	Malnutrition in pregnancy, third trimester
				O25.2	Malnutrition in childbirth
				O25.3	Malnutrition in the puerperium
Nutrition Care Plan	Extensional	2.16.840.1.113762.1.4.1095.93	SNOMEDCT	1279742004	Development of nutrition care plan (procedure)
				445101000124100	Collaborating in nutrition therapy (procedure)
				386372009	Nutrition management (regime /therapy)
				386373004	Nutrition therapy (regime/therapy)
				410172000	Nutrition care management (procedure)
				410175003	Dietary regime management (procedure)
				413315001	Nutrition / feeding management (regime/therapy)

In addition, the MCS utilizes value sets common to many other eQMs, as seen in the table below.

Value Set Name	Type	OID
Encounter Inpatient	Extensional	2.16.840.1.113883.3.666.5.307
Ethnicity	Extensional	2.16.840.1.114222.4.11.837
Emergency Department Visit	Extensional	2.16.840.1.113883.3.117.1.7.1.292
Race	Extensional	2.16.840.1.114222.4.11.836
Federal Administrative Sex	Extensional	2.16.840.1.113762.1.4.1021.121
Payer Type	Intensional	2.16.840.1.114222.4.11.3591
Hospice Care Referral or Admission	Extensional	2.16.840.1.113762.1.4.1116.365
Hospice Status	Extensional	2.16.840.1.113762.1.4.1095.101