Global Malnutrition Composite Score Specification Manual

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Overview of Global Malnutrition Composite Score (GMCS)

The GMCS electronic Clinical Quality Measure (eCQM) assesses the percentage of inpatient hospitalizations during the measurement period for adults aged 65 years and older at the start of an inpatient encounter, with a length of stay of 24 hours or greater, where care performed was appropriate to the patient's level of malnutrition risk and/or severity. 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 GMCS 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. GMCS 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 65 years and older at the start of an inpatient encounter with a length of stay equal to or greater than 24 hours or greater.”

There are six measure observation scores calculated in GMCS. 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 Composite Score as Percentage". There are no exclusions or exceptions in the GMCS eCQM. Table 1 provides descriptions for the four measure observations.

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Table 1. Description of GMCS 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 “Hospital Dietitian Referral” order is present	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 “Hospital Dietitian Referral Order”.	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: Global Malnutrition Composite Score 4.0.000 (healthit.gov)

Additional Measure Specification Resources

The GMCS eCQM is fully specified for use in electronic health records (EHRs). Details of the measure can be found at Global Malnutrition Composite Score 4.0.000 (healthit.gov). The machine-readable specifications are available on the Electronic Clinical Quality Improvement (eCQI) Resource Center. Please refer to the GMCS CMS986v4.zip for additional eCQM implementation resources.

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Global Malnutrition Composite Score (GMCS) Specification Details

Title: Global Malnutrition Composite Score

Description: This measure assesses the percentage of hospitalizations for adults aged 65 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 where care performed was appropriate to the patient's level of malnutrition risk and severity. Malnutrition care best practices recommend that for each hospitalization, adult inpatients are (1) screened for malnutrition risk or for a hospital dietitian referral order to be 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 provider 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 hospital 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 status 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 provider 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 for 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 hand off to RDNs for appropriate nutrition assessment for identified patients during the current hospitalization. For patients identified with moderate or severe malnutrition by the 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.

Measure Population: Inpatient hospitalizations during the measurement period with length of stay of 24 hours or more among individuals 65 years of age and older at the start of the inpatient encounter

Exclusions and Exceptions: None

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Measure Observations:

1. Encounters with Malnutrition Risk Screening and Identified Result
2. Encounters with Nutrition Assessment and Identified Status
3. Encounters with Malnutrition Diagnosis
4. Encounters with Nutrition Care Plan
5. Total Malnutrition Components Score
6. Total Malnutrition Composite 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 inpatient encounter.

Risk Adjustment or Stratification: None

GMCS Value Sets:

- valueset "Emergency Department Visit" (2.16.840.1.113883.3.117.1.7.1.292)
- valueset "Encounter Inpatient" (2.16.840.1.113883.3.666.5.307)
- valueset "Ethnicity" (2.16.840.1.114222.4.11.837)
- valueset "Hospital 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 "Observation Services" (2.16.840.1.113762.1.4.1111.143)
- valueset "ONC Administrative Sex" (2.16.840.1.113762.1.4.1)
- valueset "Payer Type " (2.16.840.1.114222.4.11.3591)
- valueset "Race" (2.16.840.1.114222.4.11.836)

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Data Collection Approach: The GMCS and four component measures are 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 theaccuracy 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

Description: Eligible Encounters with a "Malnutrition Risk Screening" performed or authored during the hospitalization (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". It also identifies a hospitalization where there is a Hospital Dietitian Referral, whether there is a "Malnutrition Risk Screening" performed or not.

Measure Population: Equals initial population

Measure Observation 1: Eligible Encounters where a "Malnutrition Risk Screening" was performed with a current identified "Malnutrition Screening Not At Risk Result" or current "Malnutrition Screening At Risk Result" or a Hospital Dietitian Referral

Measure Observation 1 Calculation Logic:

if ("Encounter with Malnutrition Risk Screening and Identified Result or with Hospital Dietitian Referral" contains Encounter and ("Encounter with Malnutrition Screening Not At Risk Result" contains Encounter or "Encounter with Malnutrition Screening At Risk Result" contains Encounter

)
or exists ("Encounter with Hospital Dietitian Referral")

) then 1
else 0

Measure Observation 1 Value

Value Set Name	Type	OID	Code System
Malnutrition Risk Screening	Extensional	2.16.840.1.113762.1.4.1095.92	LOINC
Malnutrition 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	Includes 2 value sets below
Malnutrition Screening Finding of At Risk Result	Extensional	2.16.840.1.113762.1.4.1095.38	SNOMEDCT
Malnutrition Screening Finding of At Risk Result	Extensional	2.16.840.1.113762.1.4.1095.94	LOINC
Hospital Dietitian Referral	Extensional	2.16.840.1.113762.1.4.1095.91	SNOMEDCT

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Component Measure 2: Nutrition Assessment

Description: Eligible Encounters with a current “Nutrition Assessment” performed by an RD/RDN from a current “Malnutrition Screening Finding of At Risk Result” during the current hospitalization or a “Hospital Dietitian Referral” order from a physician or eligible clinician during the current hospitalization.

Measure Population: Equals initial population

Measure Observation 2: Eligible Encounters where a “Nutrition Assessment” was performed or authored during the hospitalization (including preceding observation or emergency department encounters) with an identified "Nutrition Assessment Status Finding of Well Nourished or Not Malnourished or Mildly Malnourished", "Nutrition Assessment Status Finding of Moderately Malnourished", or "Nutrition Assessment Status Finding of Severely Malnourished".

Measure Observation 2 Calculation

```
if ( "Encounter with Malnutrition Not at Risk Result and without Hospital Dietitian Referral"
) contains Encounter then 0 else if ( "Encounter with Nutrition Assessment and Identified
Status" contains Encounter and ( ( "Encounter with Nutrition Assessment Status Not or Mildly
Malnourished" contains

Encounter
      or "Encounter with Nutrition Assessment Status Finding of Moderately Malnourished"
contains Encounter

      or "Encounter with Nutrition Assessment Status Finding of Severely Malnourished"
contains Encounter

    )
     and ( ( "Encounter with Malnutrition Risk Screening and Identified Result or with Hospital
Dietitian Referral" contains Encounter and "Encounter with Malnutrition Screening At Risk
Result" contains Encounter

      ) or ( "Encounter with Hospital Dietitian Referral" ) contains Encounter


     ) ) )
then 1
else 0
```


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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	Includes 2 value sets below
Nutrition Status Finding of Well Nourished or Not Malnourished or Mildly Malnourished	Extensional	2.16.840.1.113762.1.4.1095.48	SNOMEDCT
Nutrition Status Finding of Well Nourished or Not Malnourished or Mildly Malnourished	Extensional	2.16.840.1.113762.1.4.1095.95	LOINC
Nutrition Assessment Status Finding of Moderately Malnourished	Grouping	2.16.840.1.113762.1.4.1095.47	Includes 2 value sets below
Nutrition Assessment Status Finding of Moderately Malnourished	Extensional	2.16.840.1.113762.1.4.1095.44	SNOMEDCT
Nutrition Assessment Status Finding of Moderately Malnourished	Extensional	2.16.840.1.113762.1.4.1095.98	LOINC
Nutrition Assessment Status Finding of Severely Malnourished	Grouping	2.16.840.1.113762.1.4.1095.43	Includes 2 value sets below
Nutrition Assessment Status Finding of Severely Malnourished	Extensional	2.16.840.1.113762.1.4.1095.42	SNOMED
Nutrition Assessment Status Finding of Severely Malnourished	Extensional	2.16.840.1.113762.1.4.1095.97	LOINC

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Component Measure 3: Malnutrition Diagnosis

Description: Eligible Encounters with a current documented "Malnutrition Diagnosis" by physician or other eligible clinician as a result of a current "Nutrition Assessment Status Finding of Moderately Malnourished" OR current "Nutrition Assessment Status Finding of Severely Malnourished"

Measure Population: Equals initial population

Exclusions and Exceptions: None

Risk Adjustment or Stratification: None

Measure Observation 3: Eligible Encounters where a current documented "Malnutrition Diagnosis" as a result of a current “Nutrition Assessment Status Moderately Malnourished” OR current “Nutrition Assessment Status Severely Malnourished” was documented by a physician or other qualified healthcare professional.

Measure Observation 3 Calculation

```
  if ( "Encounter with Malnutrition Not at Risk Result and without Hospital Dietitian Referral" )
contains Encounter
or ( "Encounter with Nutrition Assessment Status Not or Mildly Malnourished" ) contains
Encounter then 0
else if ( "Encounter with Malnutrition Diagnosis" contains Encounter
and "Encounter with Nutrition Assessment and Identified Status" contains Encounter
and ( ( "Encounter with Nutrition Assessment Status Finding of Moderately Malnourished"
contains Encounter
or "Encounter with Nutrition Assessment Status Finding of Severely Malnourished" 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	Includes 2 value sets below
Malnutrition Diagnosis	Extensional	2.16.840.1.113762.1.4.1095.53	SNOMEDCT
Malnutrition Diagnosis	Extensional	2.16.840.1.113762.1.4.1095.54	ICD-10

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Component Measure 4: Nutrition Care Plan

Description: Eligible Encounters with a current "Nutrition Care Plan" performed by registered dietitian (RD) or registered dietitian nutritionist (RDN) as a result of a current "Nutrition Assessment Status Moderately Malnourished" OR current “Nutrition Assessment Status Severely Malnourished”

Measure Population: Equals initial population

Risk Adjustment or Stratification: None

Exclusions and Exceptions: None

Measure Observation 4: Eligible Encounters where a current "Nutrition Care Plan" was performed as a result of a current “Nutrition Assessment Status Finding of Moderately Malnourished” OR current “Nutrition Assessment Status Finding of Severely Malnourished”

Measure Observation 4 Calculation

```
 if ( "Encounter with Malnutrition Not at Risk Result and without Hospital Dietitian Referral" )
contains Encounter
  or ( "Encounter with Nutrition Assessment Status Not or Mildly Malnourished" ) contains
Encounter then 0
else if ( "Encounter with Nutrition Care Plan" contains Encounter
and "Encounter with Nutrition Assessment and Identified Status" contains Encounter
and ( ( "Encounter with Nutrition Assessment Status Finding of Moderately Malnourished"
contains Encounter
or "Encounter with Nutrition Assessment Status Finding of Severely Malnourished" contains
Encounter
    )
   )
) then 1
 else 0
```

Measure Observation 4 Value

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

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Component Measure 5: Total Malnutrition Components Score

Description: For each Eligible Encounter, Measure Observation 5 will represent the subtotal of all Measure Observations 1-4 performed.

Measure Population: Equals initial population

Measure Observation 5: 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

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

Measure Observation 5 Value

None

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Component Measure 6: Total Malnutrition Composite Score

Description: For each Eligible Encounters, Measure Observation 6 represents the sum of performed observations 1,2,3, and 4, then divided by the number of clinically eligible occurrences.

Measure Population: Equals initial population

Measure Observation 6: To calculate "Measure Observation Total Malnutrition Composite Score as Percentage" episode performance, divide "Measure Observation Total Malnutrition Components Score" by "Total Malnutrition Composite 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 Composite Score Eligible Occurrence will always be 4 except in the following circumstances:

- Use 1 if a Malnutrition Risk Screening was performed and a Malnutrition Screening Finding of Not at Risk Result was identified AND a Hospital Dietitian Referral was not ordered.
- Use 2 if a Malnutrition Risk Screening was performed and a Malnutrition Risk Finding of at Risk Result OR a Hospital Dietitian Referral was ordered AND:
  - A Nutrition Assessment was performed and a Nutrition Status Finding of Well Nourished, Not Malnourished, or Mild Malnourished was identified
  - OR a 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 Hospital Dietitian Referral" contains Encounter )
      ) then 1
       else if ( ( "Encounter with Malnutrition Screening At Risk Result" contains Encounter
       or ( "Encounter with Hospital Dietitian Referral" contains Encounter ))
        and "Encounter with Nutrition Assessment Status Not or Mildly Malnourished" contains
      Encounter
      )
       or not ( "Encounter with Nutrition Assessment and Identified Status" contains Encounter )
      then 2
       else 4
```

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

Measure Observation 6 Value Sets:

None

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GMCS Episode Calculation and Rate Aggregation

The eCQM CMS986v4.zip specifications are used by implementers to calculate episode and rate aggregation performance scores for the GMCS overall performance and four component measures.

GMCS 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" average the performance of each "Total Malnutrition Composite Score as Percentage" across all eligible hospitalizations during the measurement period.

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Value Sets

The GMCS eCQM includes the flowing value sets containing codes defined using standardized terminologies. A complete list is included in Table 2 and further available in the Value Set Authority Center (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
				98972-2	Final screening NRS_2002
Malnutrition 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)
				704358009	At risk for nutritional deficit (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

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Value Set Name	Type	OID	Code System	Code	Description
Hospital 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)
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)
Nutrition Status Finding of Well Nourished or Not Malnourished or Mildly Malnourished	Extensional	2.16.840.1.113762.1.4.1095.95	LOINC	33701-6	Well nourished
				33702-4	Not malnourished
				33703-2	Mildly malnourished

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Value Set Name	Type	OID	Code System	Code	Description
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 diseaserelated malnutrition (disorder)
				65404009	Undernutrition (disorder)
				70241007	Nutritional deficiency disorder (disorder)
				285588004	Nutrition deficiency due to insufficient food (disorder)
				2492009	Nutritional disorder (disorder)

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Value Set Name	Type	OID	Code System	Code	Description
Nutrition Assessment Status Finding of Moderately Malnourished	Extensional	2.16.840.1.113762.1.4.1095.98	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)
				722960005	Anorexia nervosa co-occurrent with significantly low body weight (disorder)

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Value Set Name	Type	OID	Code System	Code	Description
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
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)

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Value Set Name	Type	OID	Code System	Code	Description
Malnutrition Diagnosis	Extensional	2.16.840.1.113762.1.4.1095.53	SNOMEDCT (cont.)	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 conccurrent with dangerously low body weight (disorder)
				722960005	Anorexia nervosa conccurrent with significantly low body weight (disorder)
				77675002	Anorexia nervosa, restricting type (disorder)
				723919008	Significantly low body weight co-occurrent and due to anorexia nervosa of restricting type (disorder)

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Value Set Name	Type	OID	Code System	Code	Description
Malnutrition Diagnosis	Extensional	2.16.840.1.113762.1.4.1095.53	SNOMEDCT (cont.)	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)

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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 proteincalorie 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
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)

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Value Set Name	Type	OID	Code System	Code	Description
Nutrition Care Plan (cont.)	Extensional	2.16.840.1.113762.1.4.1095.93	SNOMEDCT	410172000	Nutrition care management (procedure)
				410175003	Dietary regime management (procedure)
				413315001	Nutrition / feeding management (regime/ therapy)

In addition, the GMCS utilizes value sets common to many other eCQMs, as seen in the table below. Individual codes are omitted for brevity.

Value Set Name	Type	OID
Emergency Department Visit	Extensional	2.16.840.1.113883.3.117.1.7.1.292
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
Observation Services	Extensional	2.16.840.1.113762.1.4.1111.143
Race	Extensional	2.16.840.1.114222.4.11.836
ONC Administrative Sex	Extensional	2.16.840.1.113762.1.4.1
Payer Type	Intensional	2.16.840.1.114222.4.11.3591

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