



Global Malnutrition Composite Score

**Overview of measure components, workflow, and
scoring algorithm**

Updated December 2022

The Malnutrition Quality Improvement Initiative (MQii) is a project of the Academy of Nutrition and Dietetics, Avalere Health, and other stakeholders who provided guidance and expertise through a collaborative partnership. Support provided by Abbott.

Global Malnutrition Composite Score Is a Continuous Variable Measure Based on Modified Versions of 4 Measures

COMPONENT MEASURE DENOMINATORS & NUMERATORS

Component Measures	Numerator ¹	Denominator ²	Differences from Individual Measures
Completion of a Malnutrition Screening	Hospitalizations in denominator with completed malnutrition screening documented in medical record	Hospitalizations during measurement period with length of stay ≥24 hrs among individuals ≥65 yrs at start of measurement period	24-hr interval for length of stay removed from measure
Completion of a Nutrition Assessment for Patients Identified as At Risk for Malnutrition²	Hospitalizations in denominator for which nutrition assessment is documented in medical record	Hospitalizations during measurement period with length of stay ≥24 hrs among individuals ≥65 yrs at start of measurement period and malnutrition screening result of at risk	24-hr interval for length of stay added to eligible encounter criteria 24-hr interval between screening and assessment removed to avoid overly limiting population benefitting from assessment
Documentation of Malnutrition Diagnosis	Hospitalizations in denominator with documented diagnosis of malnutrition	Hospitalizations during measurement period with length of stay ≥24 hrs among individuals ≥65 yrs at start of measurement period with nutrition assessment result of severely or moderately malnourished	Measure moved in order from #4 to #3 to more accurately reflect sequence of nutrition care process
Nutrition Care Plan for Patients Identified as Malnourished after a Completed Nutrition Assessment	Hospitalizations in denominator with nutrition care plan documented in medical record	Hospitalizations during measurement period with length of stay ≥24 hrs among individuals ≥65 yrs at start of measurement period with nutrition assessment result of severely or moderately malnourished	Measure moved in order from #3 to #4 Denominator changed from medical diagnosis of malnutrition to nutrition assessment finding of malnutrition

There are no exclusions to the measure population for the GMCS or any of its 4 components.

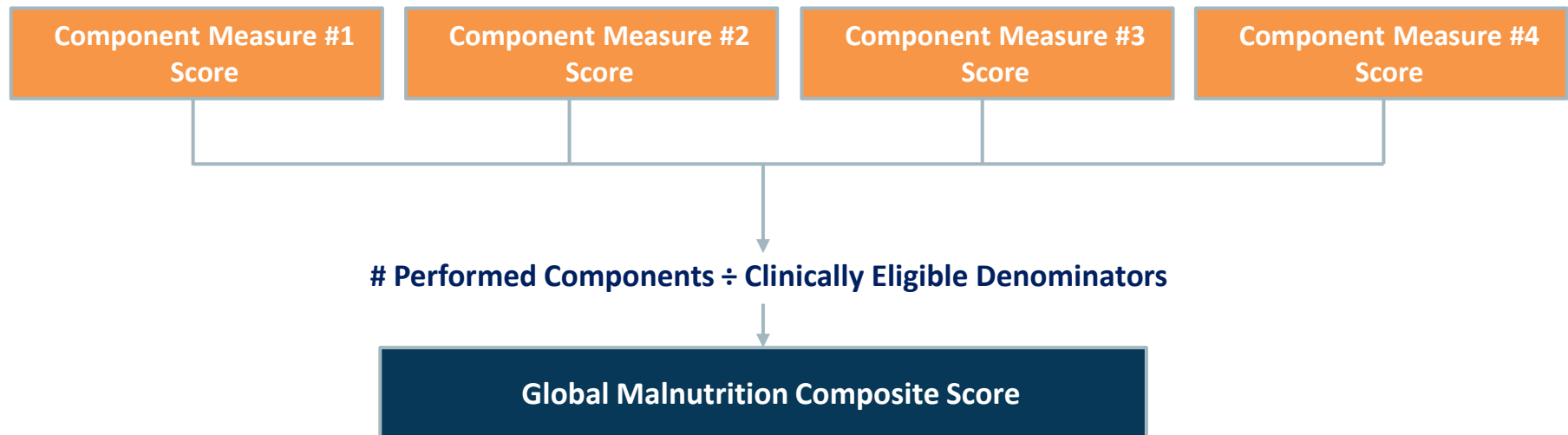
¹These descriptions are based on the measure specifications as of fall 2022, *before* completion of the 2022–2023 Annual Update cycle.

²For continuous variable measures like the GMCS, numerators are called measure observations and denominators are considered clinical eligibility.

Performance on Global Malnutrition Composite Score Is Based on 4 Component Measure Scores

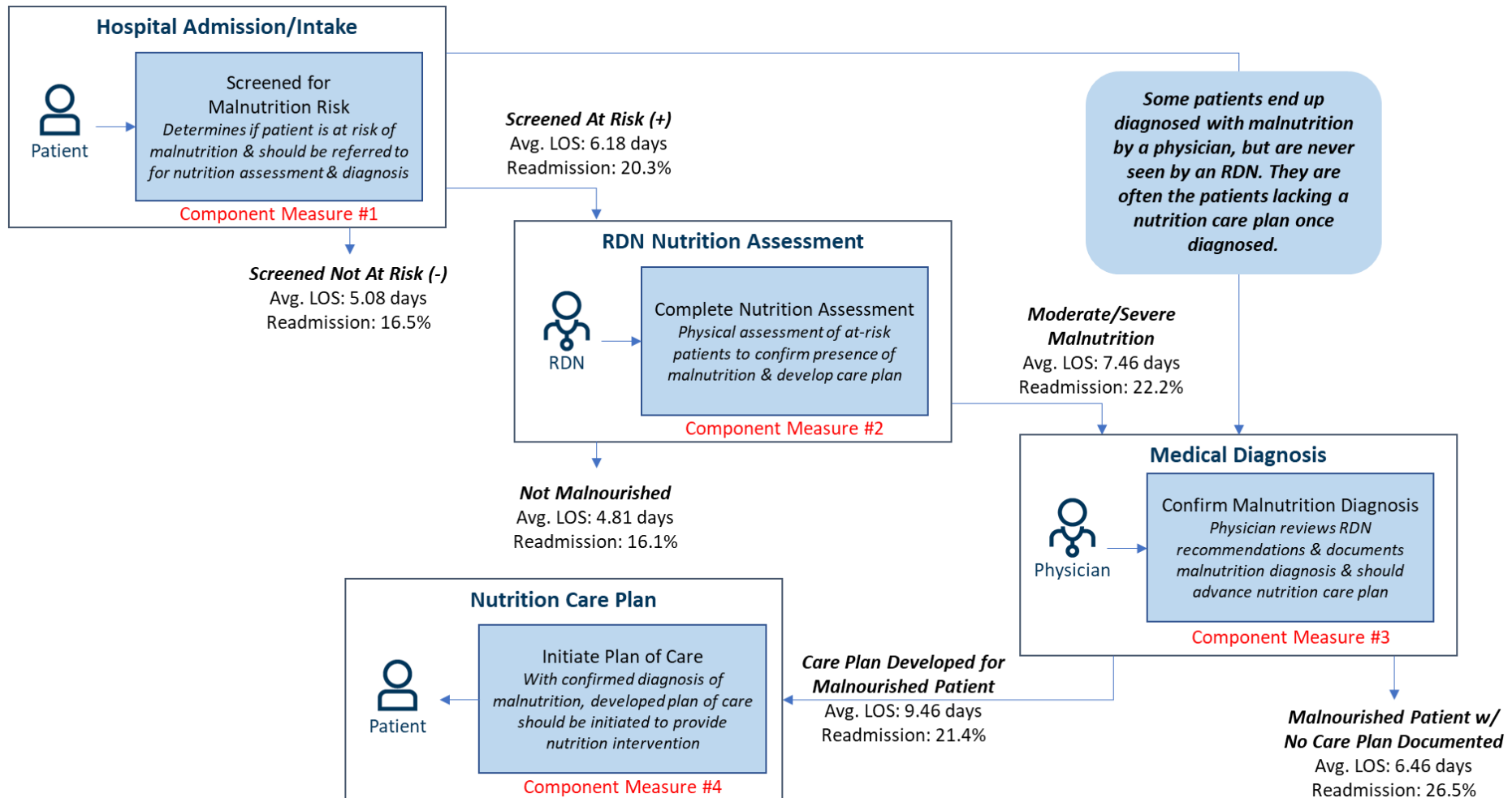
GMCS performance is based on 3 calculations:

1. Add up completed malnutrition care process components (with a total from 0–4)
2. Divide sum of components by number of eligible denominators (which is either 1, 2, or 4)*
3. Divide result from part 2 above by the number of eligible hospitalizations in the measure population



*The sum of denominators represents the number of GMCS components that should be performed during a hospitalization based on the patient's clinical malnutrition needs. This will always be 4 except for in 2 instances: it is 1 for a hospitalizations if the patient is not identified as at risk or it is 2 for a hospitalization if the patient is not identified with moderate or severe malnutrition.

Comprehensive Care Workflow Is Captured by Global Malnutrition Composite Score



RDN: Registered Dietitian Nutritionist; LOS: Length of Stay