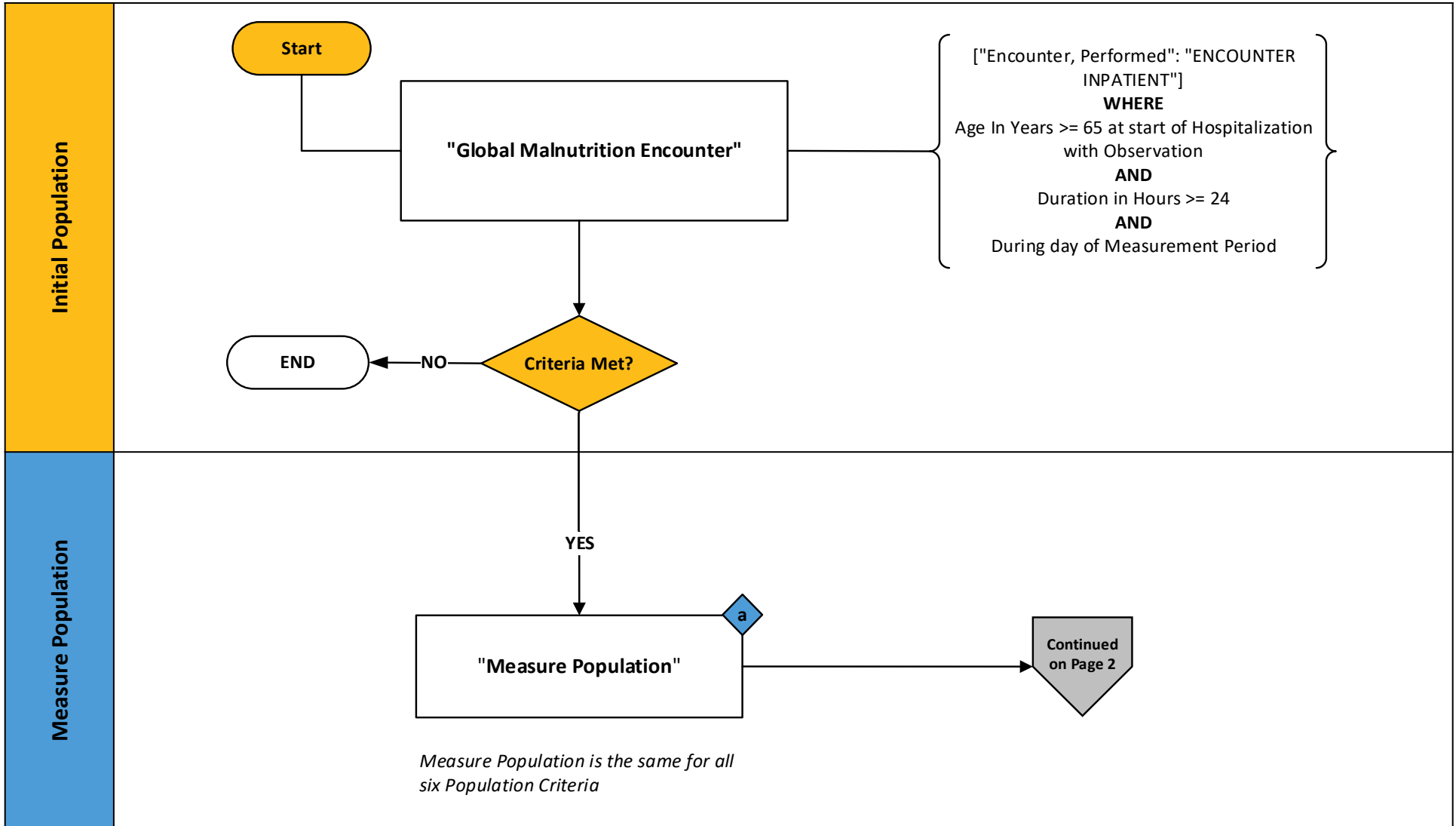# 2024 eCQM Flow – **CMS986v2: Global Malnutrition Composite Score*** NQF# 3592e

*This flow diagram represents an overview of population criteria requirements. Please refer to the eCQM measure specification for a complete list of definitions, direct reference codes, data or timing elements included in this measure and required for submission.

Measure Flow Diagram

Initial Population

Start

"Global Malnutrition Encounter"

["Encounter, Performed": "ENCOUNTER INPATIENT"]
WHERE
Age In Years >= 65 at start of Hospitalization with Observation
AND
Duration in Hours >= 24
AND
During day of Measurement Period

Criteria Met?

NO → END

YES

Measure Population

"Measure Population"

a

Continued on Page 2

Measure Population is the same for all six Population Criteria

2024 eCQM Flow – **CMS986v2: Global Malnutrition Composite Score*** NQF# 3592e

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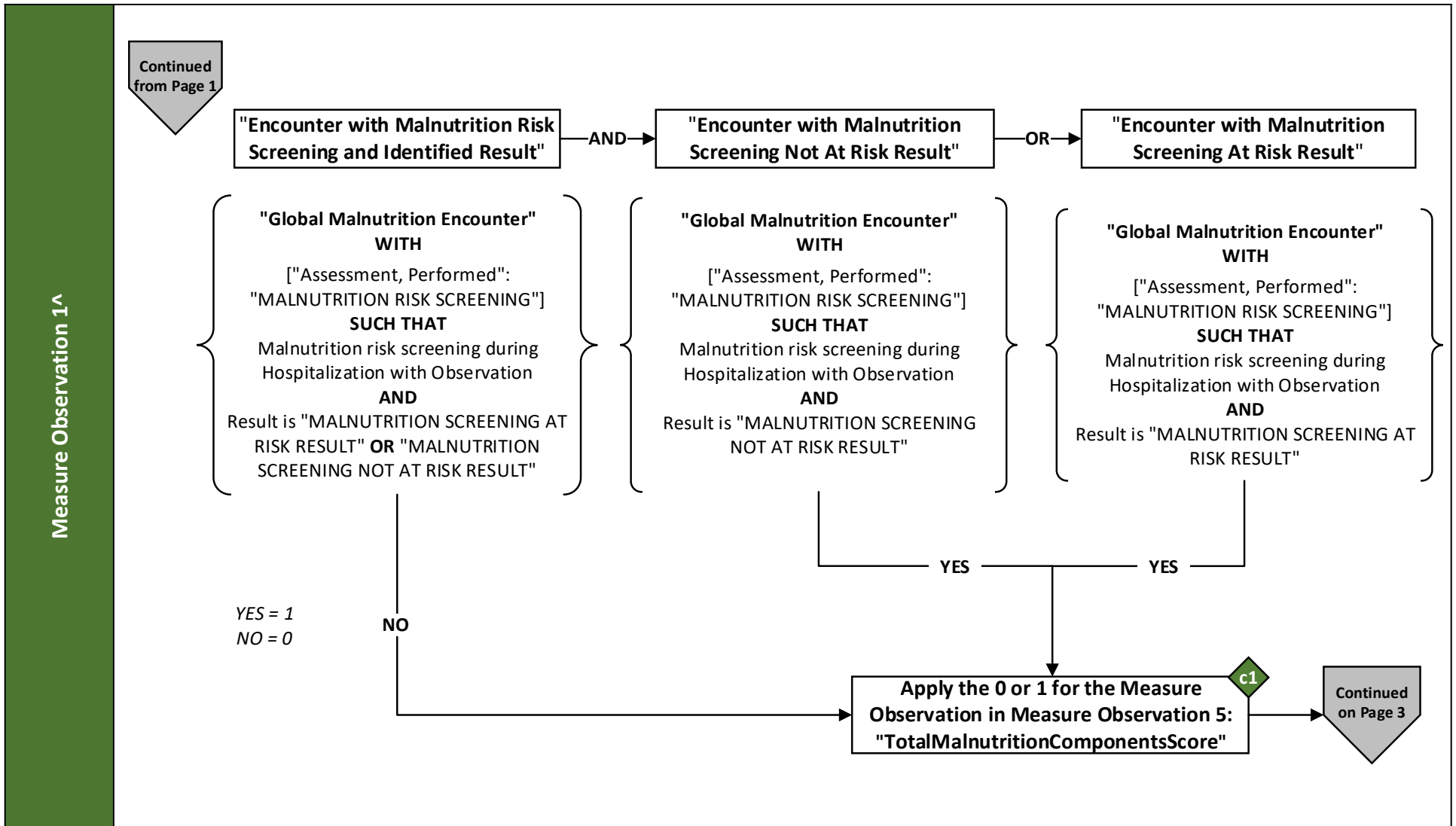
Measure Flow Diagram (Continued)

Measure Observation 1^

Continued from Page 1

"Encounter with Malnutrition Risk Screening and Identified Result" —**AND**→ "Encounter with Malnutrition Screening Not At Risk Result" —**OR**→ "Encounter with Malnutrition Screening At Risk Result"

"Global Malnutrition Encounter"
WITH
["Assessment, Performed": "MALNUTRITION RISK SCREENING"]
SUCH THAT
Malnutrition risk screening during Hospitalization with Observation
AND
Result is "MALNUTRITION SCREENING AT RISK RESULT" **OR** "MALNUTRITION SCREENING NOT AT RISK RESULT"

"Global Malnutrition Encounter"
WITH
["Assessment, Performed": "MALNUTRITION RISK SCREENING"]
SUCH THAT
Malnutrition risk screening during Hospitalization with Observation
AND
Result is "MALNUTRITION SCREENING NOT AT RISK RESULT"

"Global Malnutrition Encounter"
WITH
["Assessment, Performed": "MALNUTRITION RISK SCREENING"]
SUCH THAT
Malnutrition risk screening during Hospitalization with Observation
AND
Result is "MALNUTRITION SCREENING AT RISK RESULT"

YES — **YES**

YES = 1
NO = 0

NO

Apply the 0 or 1 for the Measure Observation in Measure Observation 5: "TotalMalnutritionComponentsScore"

c1

Continued on Page 3

2024 eCQM Flow – **CMS986v2: Global Malnutrition Composite Score*** NQF# 3592e

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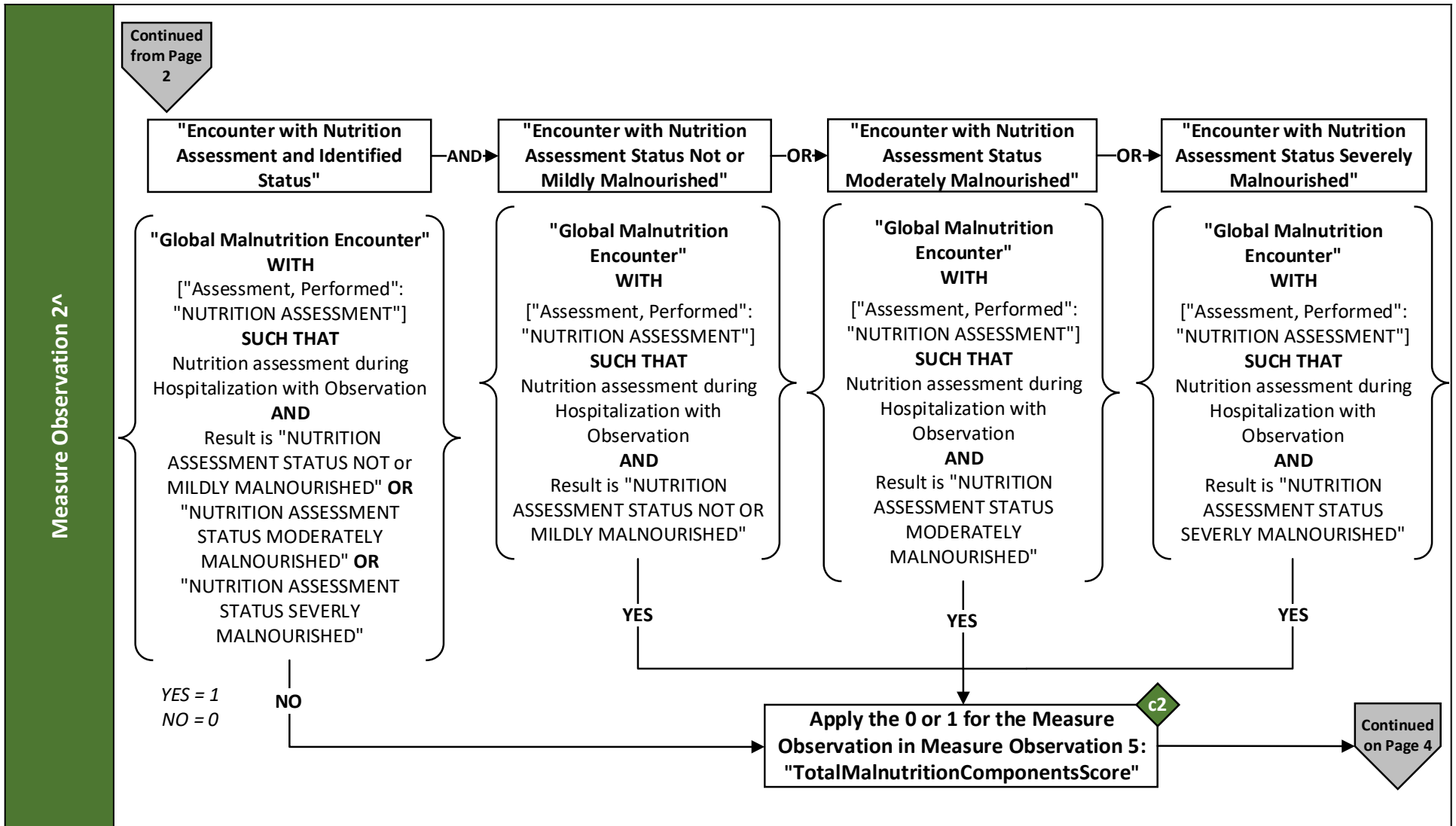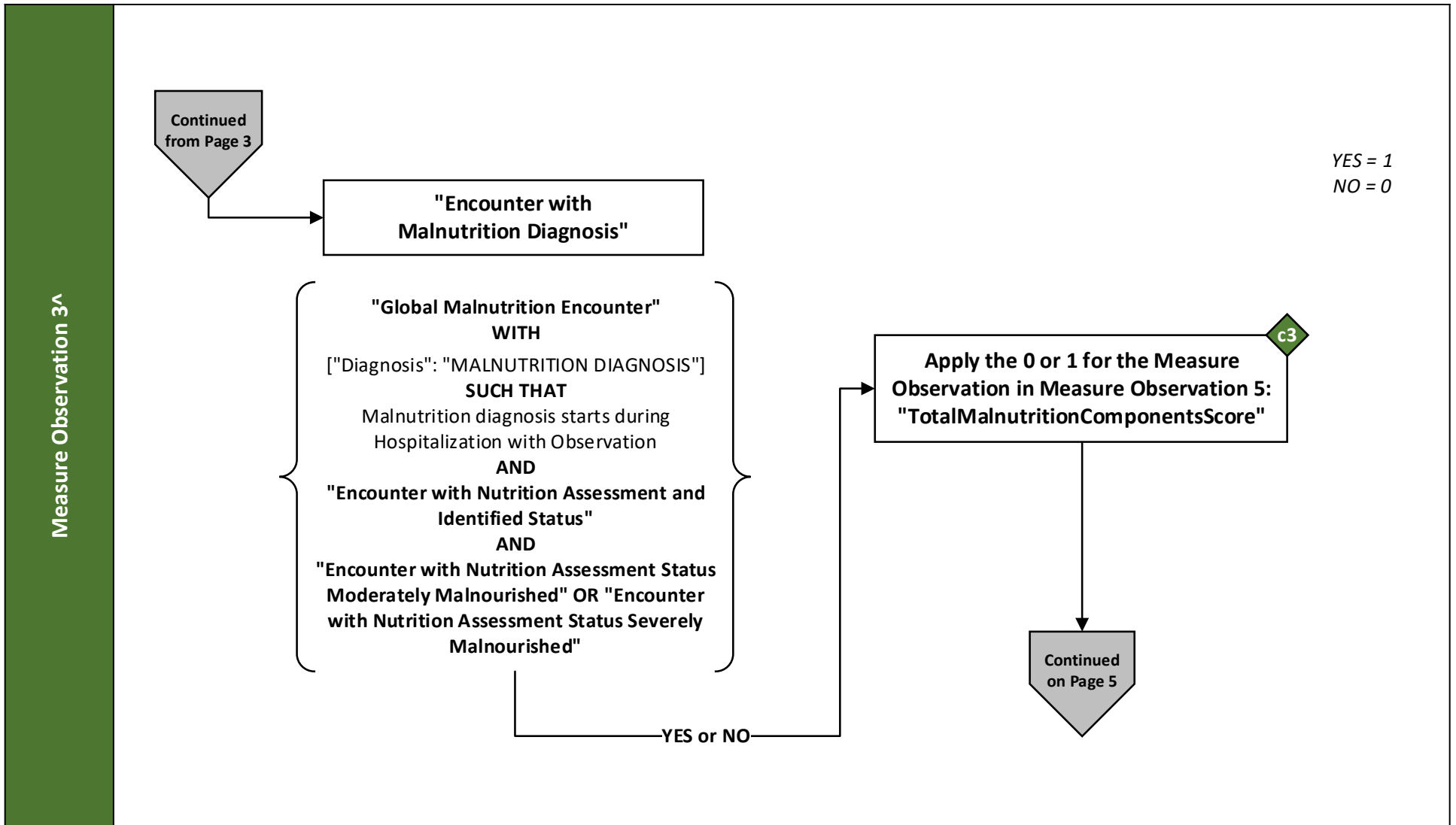
Measure Flow Diagram (Continued)

Continued from Page 2

Measure Observation 2^

"Encounter with Nutrition Assessment and Identified Status" —AND→ "Encounter with Nutrition Assessment Status Not or Mildly Malnourished" —OR→ "Encounter with Nutrition Assessment Status Moderately Malnourished" —OR→ "Encounter with Nutrition Assessment Status Severely Malnourished"

"Global Malnutrition Encounter" WITH ["Assessment, Performed": "NUTRITION ASSESSMENT"] **SUCH THAT** Nutrition assessment during Hospitalization with Observation **AND** Result is "NUTRITION ASSESSMENT STATUS NOT or MILDLY MALNOURISHED" **OR** "NUTRITION ASSESSMENT STATUS MODERATELY MALNOURISHED" **OR** "NUTRITION ASSESSMENT STATUS SEVERLY MALNOURISHED"

"Global Malnutrition Encounter" WITH ["Assessment, Performed": "NUTRITION ASSESSMENT"] **SUCH THAT** Nutrition assessment during Hospitalization with Observation **AND** Result is "NUTRITION ASSESSMENT STATUS NOT OR MILDLY MALNOURISHED"

"Global Malnutrition Encounter" WITH ["Assessment, Performed": "NUTRITION ASSESSMENT"] **SUCH THAT** Nutrition assessment during Hospitalization with Observation **AND** Result is "NUTRITION ASSESSMENT STATUS MODERATELY MALNOURISHED"

"Global Malnutrition Encounter" WITH ["Assessment, Performed": "NUTRITION ASSESSMENT"] **SUCH THAT** Nutrition assessment during Hospitalization with Observation **AND** Result is "NUTRITION ASSESSMENT STATUS SEVERLY MALNOURISHED"

YES = 1
NO = 0

NO | **YES** | **YES** | **YES**

c2

Apply the 0 or 1 for the Measure Observation in Measure Observation 5: "TotalMalnutritionComponentsScore"

Continued on Page 4

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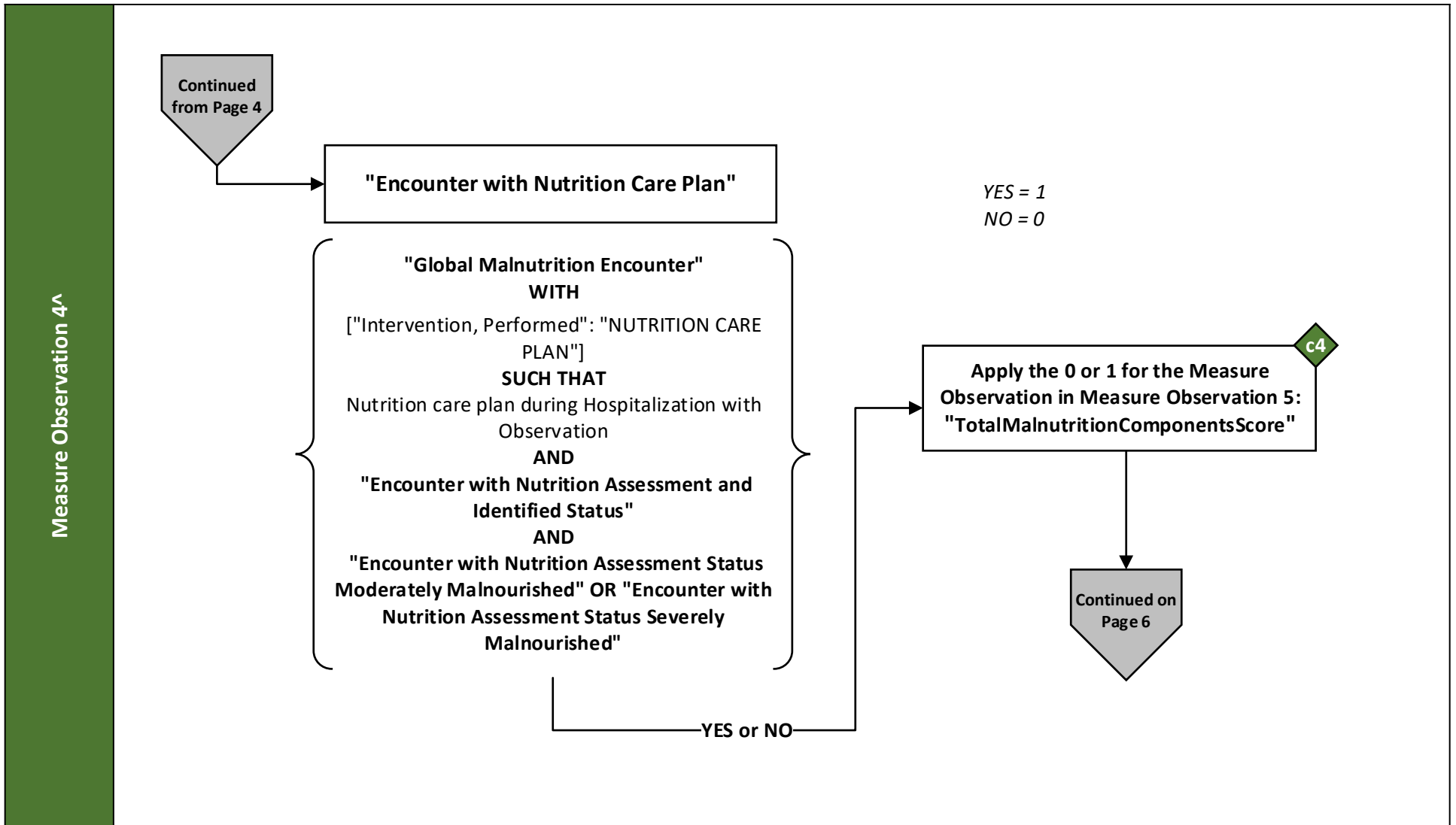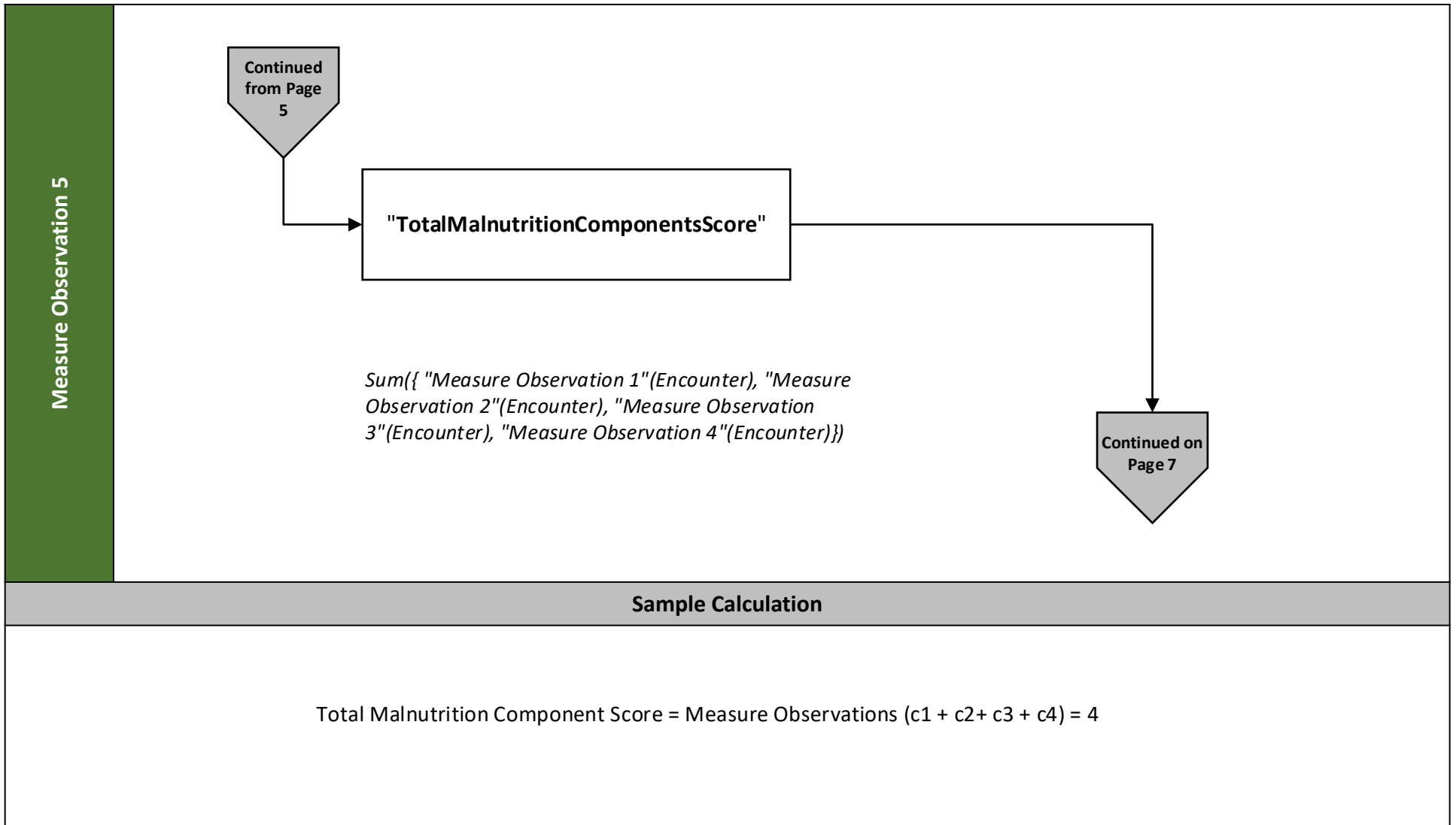
Measure Flow Diagram (Continued)

Measure Observation 3^

Continued from Page 3

"Encounter with Malnutrition Diagnosis"

YES = 1
NO = 0

"Global Malnutrition Encounter"
WITH
["Diagnosis": "MALNUTRITION DIAGNOSIS"]
SUCH THAT
Malnutrition diagnosis starts during Hospitalization with Observation
AND
"Encounter with Nutrition Assessment and Identified Status"
AND
"Encounter with Nutrition Assessment Status Moderately Malnourished" OR "Encounter with Nutrition Assessment Status Severely Malnourished"

c3

Apply the 0 or 1 for the Measure Observation in Measure Observation 5: "TotalMalnutritionComponentsScore"

——YES or NO——

Continued on Page 5

2024 eCQM Flow – **CMS986v2: Global Malnutrition Composite Score*** NQF# 3592e

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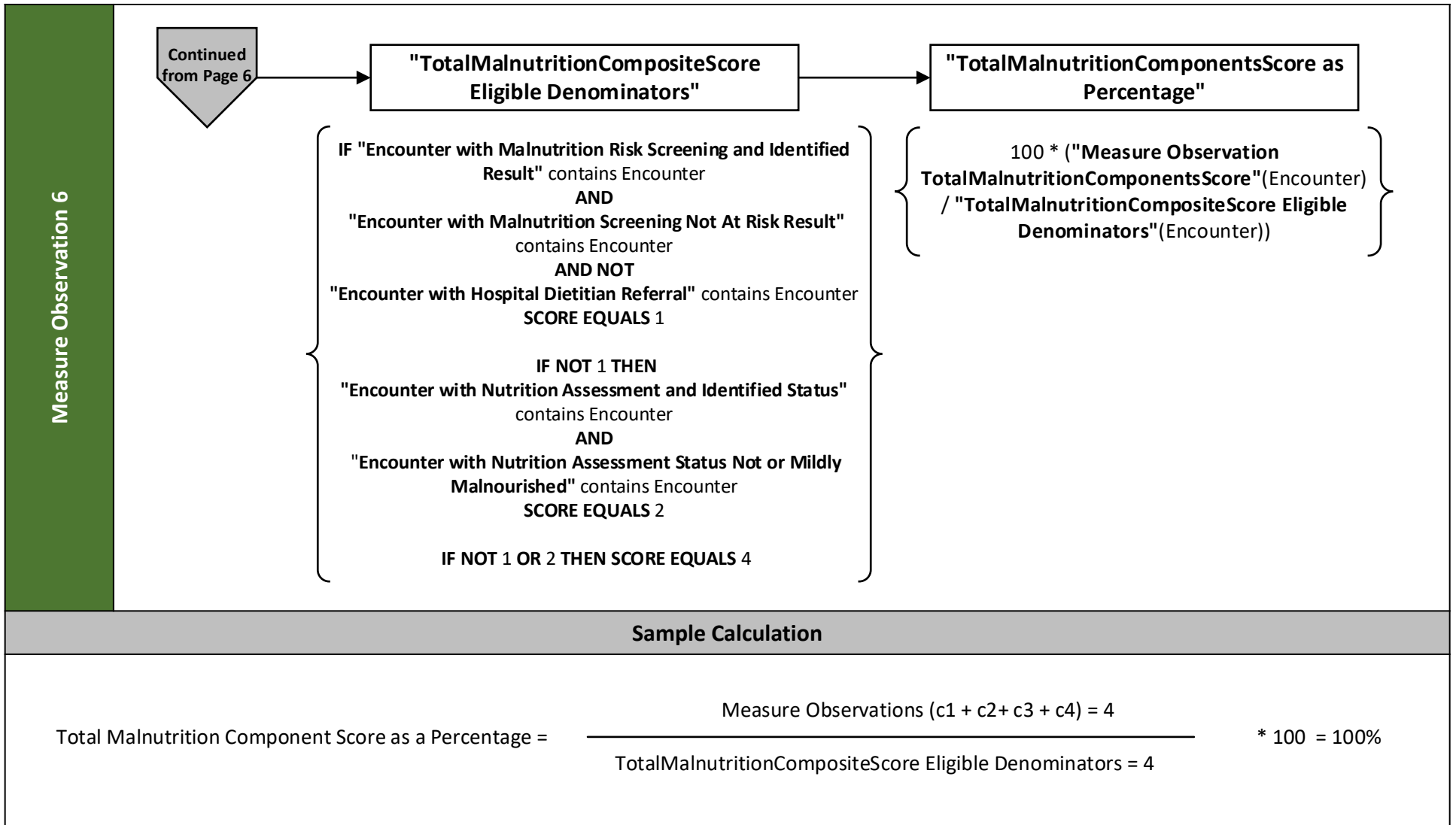
Measure Flow Diagram (Continued)

Measure Observation 4^

Continued from Page 4

"Encounter with Nutrition Care Plan"

"Global Malnutrition Encounter"
WITH
["Intervention, Performed": "NUTRITION CARE PLAN"]
SUCH THAT
Nutrition care plan during Hospitalization with Observation
AND
"Encounter with Nutrition Assessment and Identified Status"
AND
"Encounter with Nutrition Assessment Status Moderately Malnourished" OR "Encounter with Nutrition Assessment Status Severely Malnourished"

YES = 1
NO = 0

—YES or NO—

c4

Apply the 0 or 1 for the Measure Observation in Measure Observation 5: "TotalMalnutritionComponentsScore"

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Measure Flow Diagram (Continued)

Measure Observation 5

Continued from Page 5

"TotalMalnutritionComponentsScore"

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

Continued on Page 7

Sample Calculation

Total Malnutrition Component Score = Measure Observations (c1 + c2+ c3 + c4) = 4

2024 eCQM Flow – **CMS986v2: Global Malnutrition Composite Score*** NQF# 3592e

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Measure Flow Diagram (Continued)

Measure Observation 6

Continued from Page 6

"TotalMalnutritionCompositeScore Eligible Denominators"

"TotalMalnutritionComponentsScore as Percentage"

IF **"Encounter with Malnutrition Risk Screening and Identified Result"** contains Encounter
AND
"Encounter with Malnutrition Screening Not At Risk Result" contains Encounter
AND NOT
"Encounter with Hospital Dietitian Referral" contains Encounter
SCORE EQUALS 1

IF NOT 1 **THEN**
"Encounter with Nutrition Assessment and Identified Status" contains Encounter
AND
"Encounter with Nutrition Assessment Status Not or Mildly Malnourished" contains Encounter
SCORE EQUALS 2

IF NOT 1 **OR** 2 **THEN SCORE EQUALS** 4

100 * (**"Measure Observation TotalMalnutritionComponentsScore"**(Encounter) / **"TotalMalnutritionCompositeScore Eligible Denominators"**(Encounter))

Sample Calculation

Total Malnutrition Component Score as a Percentage = $\dfrac{\text{Measure Observations (c1 + c2 + c3 + c4) = 4}}{\text{TotalMalnutritionCompositeScore Eligible Denominators = 4}}$ * 100 = 100%

2024 eCQM Flow – **CMS986v2: Global Malnutrition Composite Score*** NQF# 3592e

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Measure Flow Narrative

The measure flow diagram on the preceding pages illustrates the steps to determine the population criteria for this measure.

Measure 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 during the current inpatient hospitalization 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 screened for malnutrition risk, assessed to confirm findings of malnutrition risk or for a hospital dietitian referral order, and if identified with a "moderate" or "severe" malnutrition status in the current performed malnutrition assessment, receive a current "moderate" or "severe" malnutrition diagnosis and have a current nutrition care plan performed.
Initial Population	Start by identifying the initial population criteria as a valid encounter defined as 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
Measure Population	In a continuous variable measure, this measure construct is called the measure population, rather than the denominator. The measure population is equal to the Initial Population.
Measure Observations	A continuous variable measure has measure observations, rather than a numerator. This is a multi-score measure with six (6) measure observations. 1. Measure Observation 1 are "Encounters with Malnutrition Risk Screening and Identified Result" 2. Measure Observation 2 are "Encounters with Nutrition Assessment and Identified Status" 3. Measure Observation 3 are "Encounters with Malnutrition Diagnosis" 4. Measure Observation 4 are "Encounters with Nutrition Care Plan" 5. Measure Observation are "TotalMalnutritionComponentsScore" equals the sum of Measure Observation 1, Measure Observation 2, Measure Observation 3, and Measure Observation 4 6. Measure Observation are "TotalMalnutritionCompositeScore as Percentage" equals ("TotalMalnutritionComponentsScore" divided by "TotalMalnutritionCompositeScore Eligible Denominators") multiplied by 100