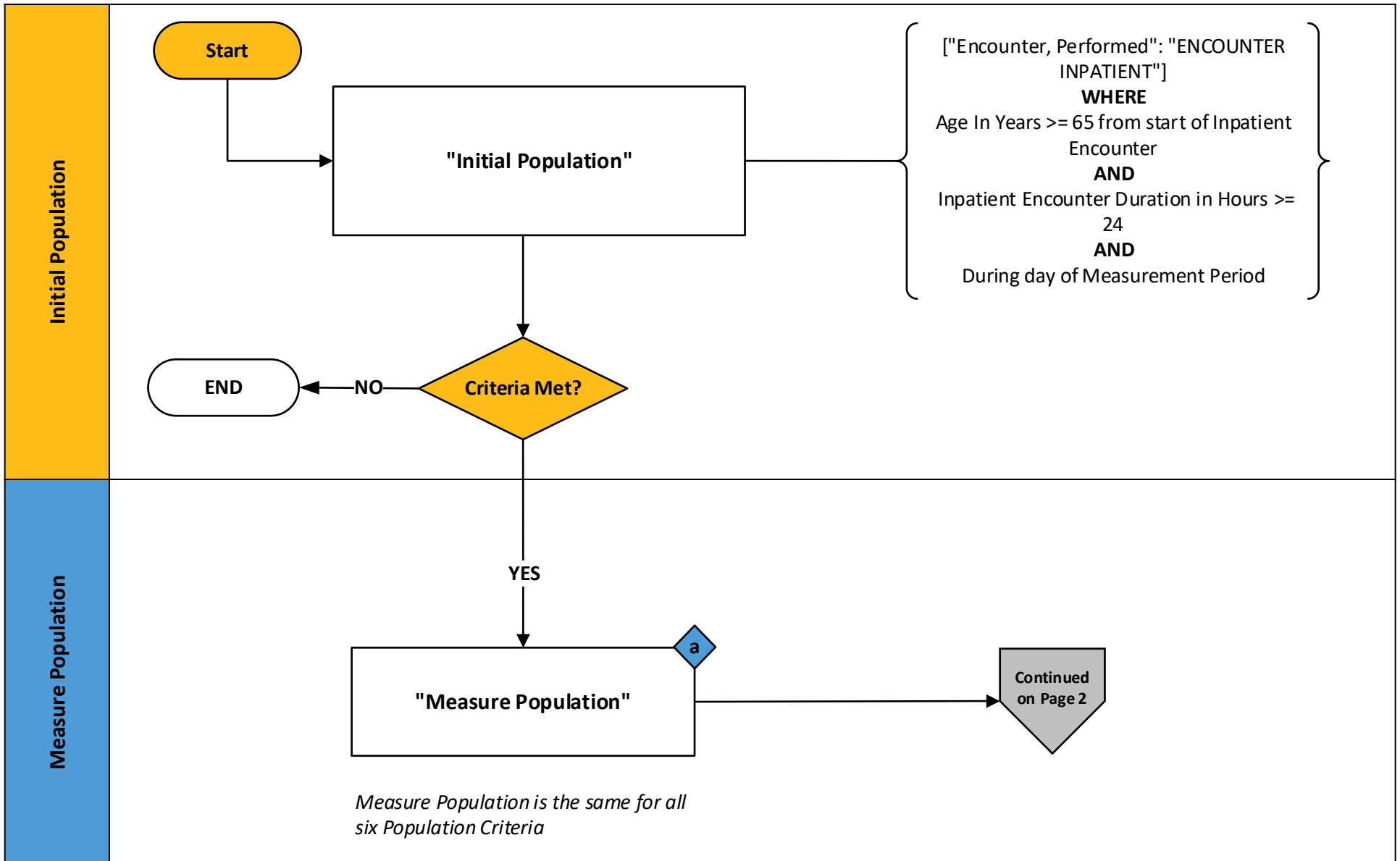# 2025 eCQM Flow – **CMS986v4: Global Malnutrition Composite Score*** CBE# 3592e

*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 (left sidebar)

Start → **"Initial Population"**

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

Criteria Met?
NO → **END**
YES ↓

Measure Population (left sidebar)

"Measure Population" → a → Continued on Page 2

Measure Population is the same for all six Population Criteria

2025 eCQM Flow – **CMS986v4: Global Malnutrition Composite Score*** CBE# 3592e

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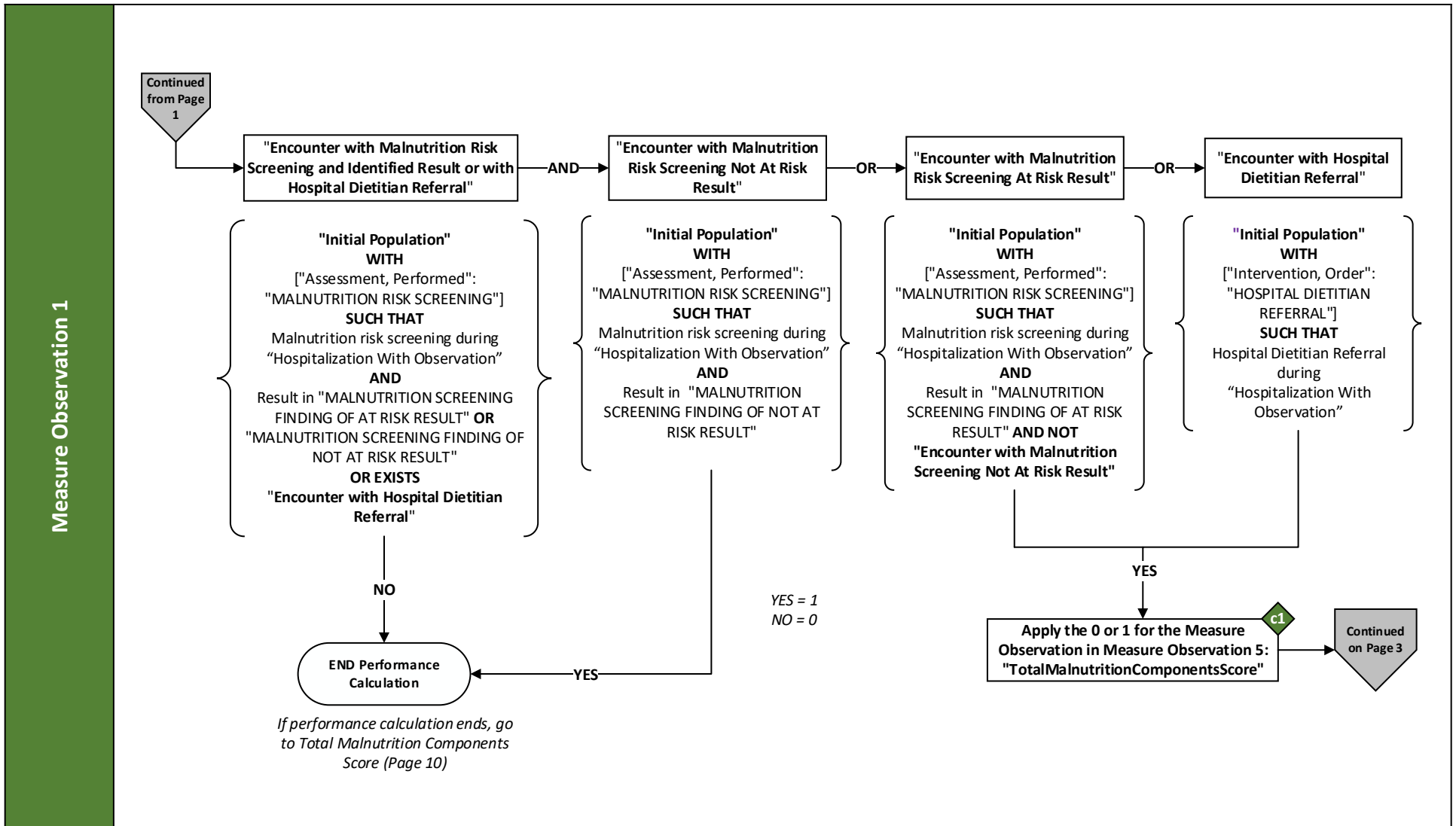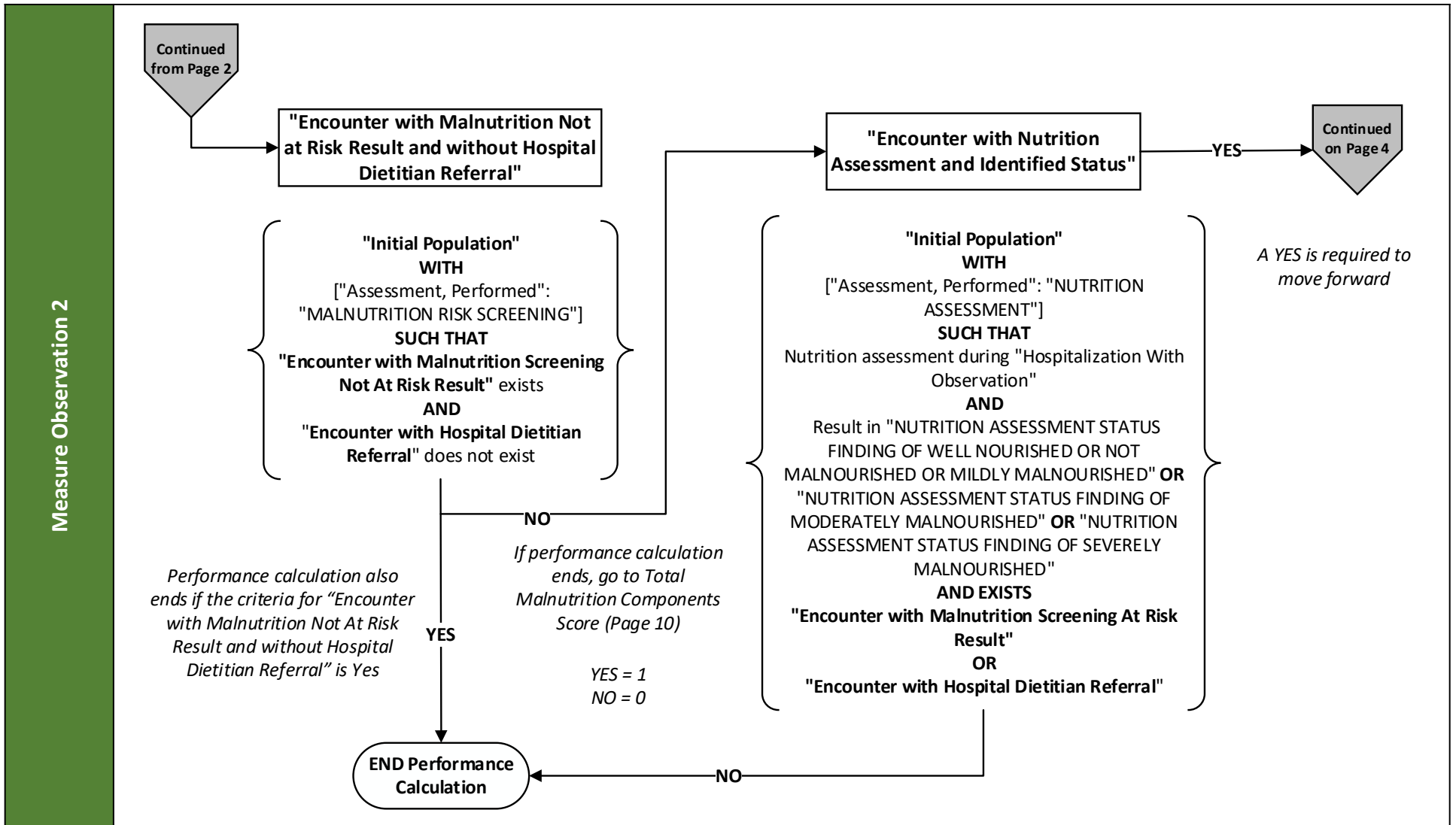
Measure Flow Diagram (Continued)

Measure Observation 1

Continued from Page 1

"Encounter with Malnutrition Risk Screening and Identified Result or with Hospital Dietitian Referral" —AND→ "Encounter with Malnutrition Risk Screening Not At Risk Result" —OR→ "Encounter with Malnutrition Risk Screening At Risk Result" —OR→ "Encounter with Hospital Dietitian Referral"

"Initial Population"
WITH
["Assessment, Performed": "MALNUTRITION RISK SCREENING"]
SUCH THAT
Malnutrition risk screening during "Hospitalization With Observation"
AND
Result in "MALNUTRITION SCREENING FINDING OF AT RISK RESULT" **OR** "MALNUTRITION SCREENING FINDING OF NOT AT RISK RESULT"
OR EXISTS
"Encounter with Hospital Dietitian Referral"

"Initial Population"
WITH
["Assessment, Performed": "MALNUTRITION RISK SCREENING"]
SUCH THAT
Malnutrition risk screening during "Hospitalization With Observation"
AND
Result in "MALNUTRITION SCREENING FINDING OF NOT AT RISK RESULT"

"Initial Population"
WITH
["Assessment, Performed": "MALNUTRITION RISK SCREENING"]
SUCH THAT
Malnutrition risk screening during "Hospitalization With Observation"
AND
Result in "MALNUTRITION SCREENING FINDING OF AT RISK RESULT" **AND NOT**
"Encounter with Malnutrition Screening Not At Risk Result"

"Initial Population"
WITH
["Intervention, Order": "HOSPITAL DIETITIAN REFERRAL"]
SUCH THAT
Hospital Dietitian Referral during "Hospitalization With Observation"

NO

YES = 1
NO = 0

YES

END Performance Calculation

←YES—

If performance calculation ends, go to Total Malnutrition Components Score (Page 10)

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

c1

Continued on Page 3

2025 eCQM Flow – **CMS986v4: Global Malnutrition Composite Score*** CBE# 3592e

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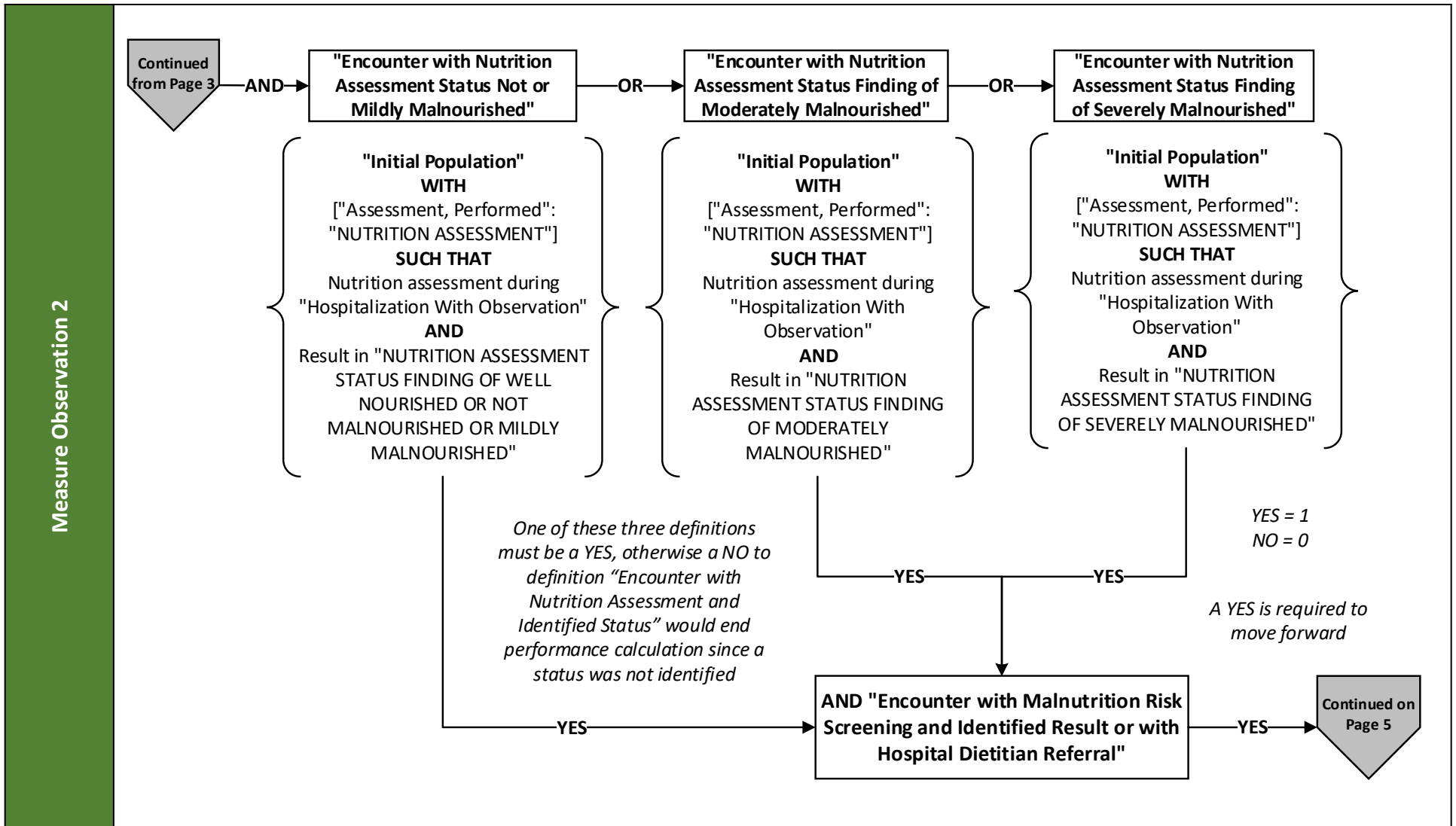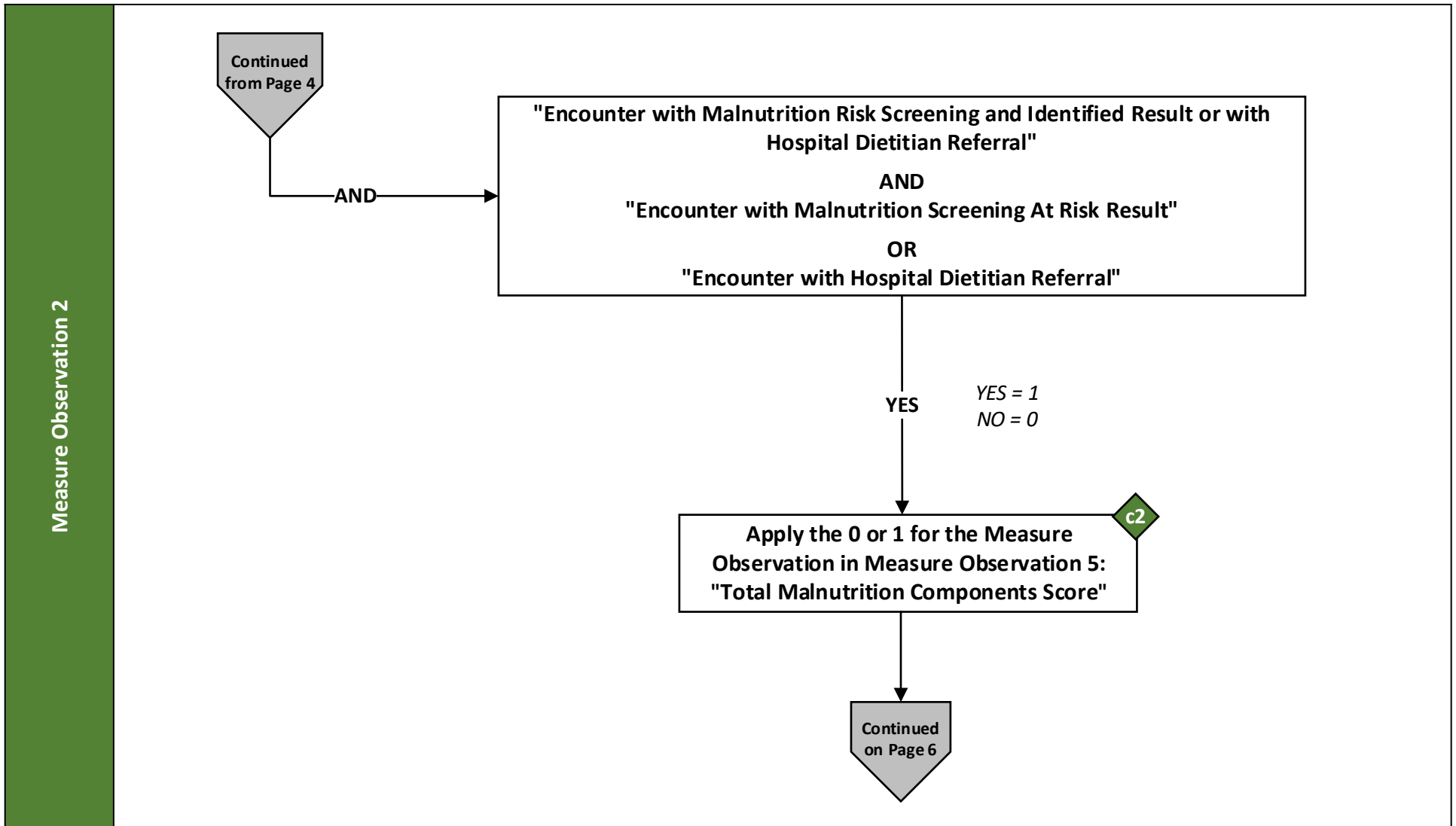
Measure Flow Diagram (Continued)

Measure Observation 2

Continued from Page 2

"Encounter with Malnutrition Not at Risk Result and without Hospital Dietitian Referral"

"Initial Population"
WITH
["Assessment, Performed": "MALNUTRITION RISK SCREENING"]
SUCH THAT
"Encounter with Malnutrition Screening Not At Risk Result" exists
AND
"Encounter with Hospital Dietitian Referral" does not exist

NO

If performance calculation ends, go to Total Malnutrition Components Score (Page 10)

YES = 1
NO = 0

Performance calculation also ends if the criteria for "Encounter with Malnutrition Not At Risk Result and without Hospital Dietitian Referral" is Yes

YES

"Encounter with Nutrition Assessment and Identified Status" — YES →

Continued on Page 4

A YES is required to move forward

"Initial Population"
WITH
["Assessment, Performed": "NUTRITION ASSESSMENT"]
SUCH THAT
Nutrition assessment during "Hospitalization With Observation"
AND
Result in "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 EXISTS
"Encounter with Malnutrition Screening At Risk Result"
OR
"Encounter with Hospital Dietitian Referral"

NO

END Performance Calculation

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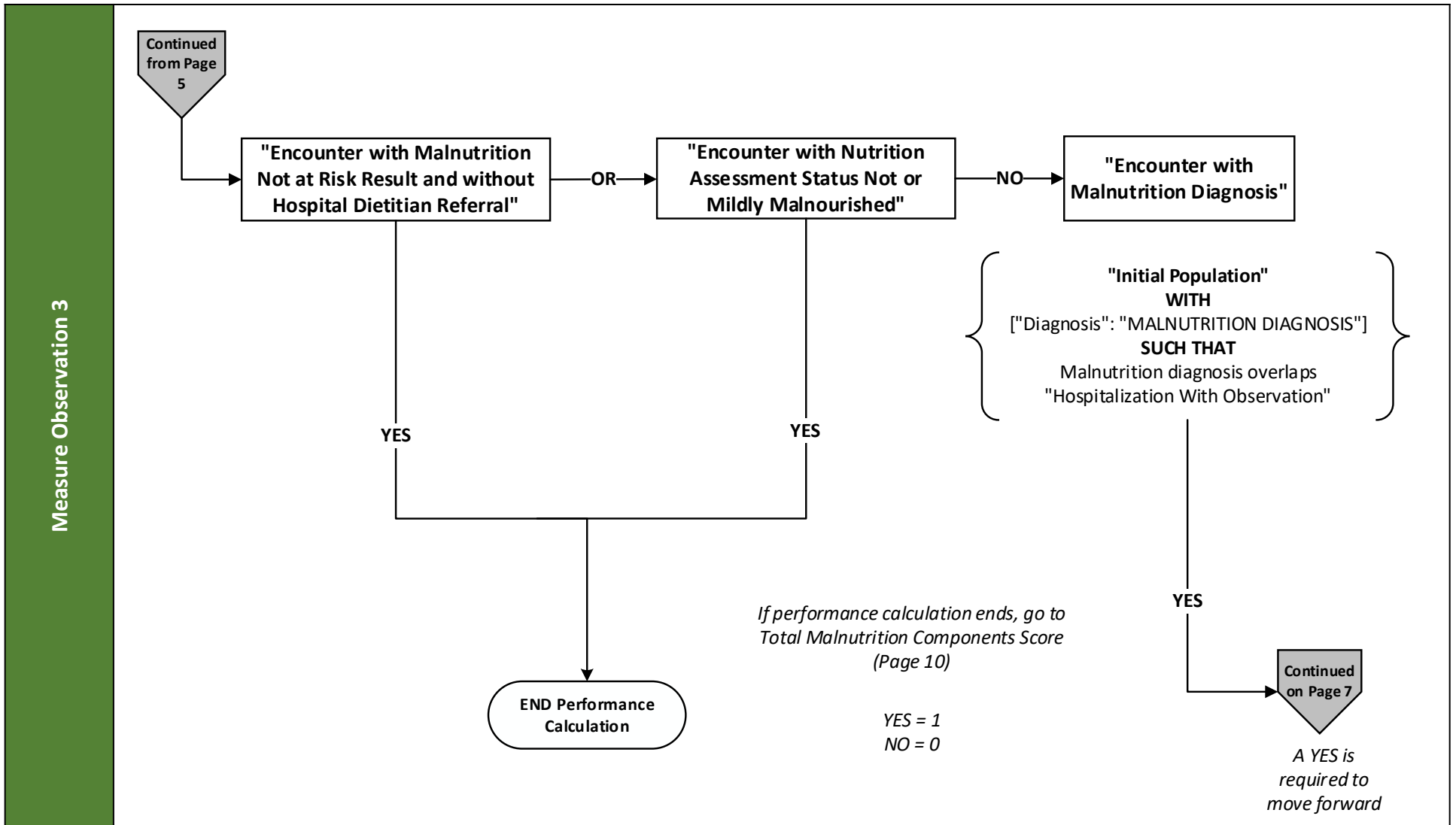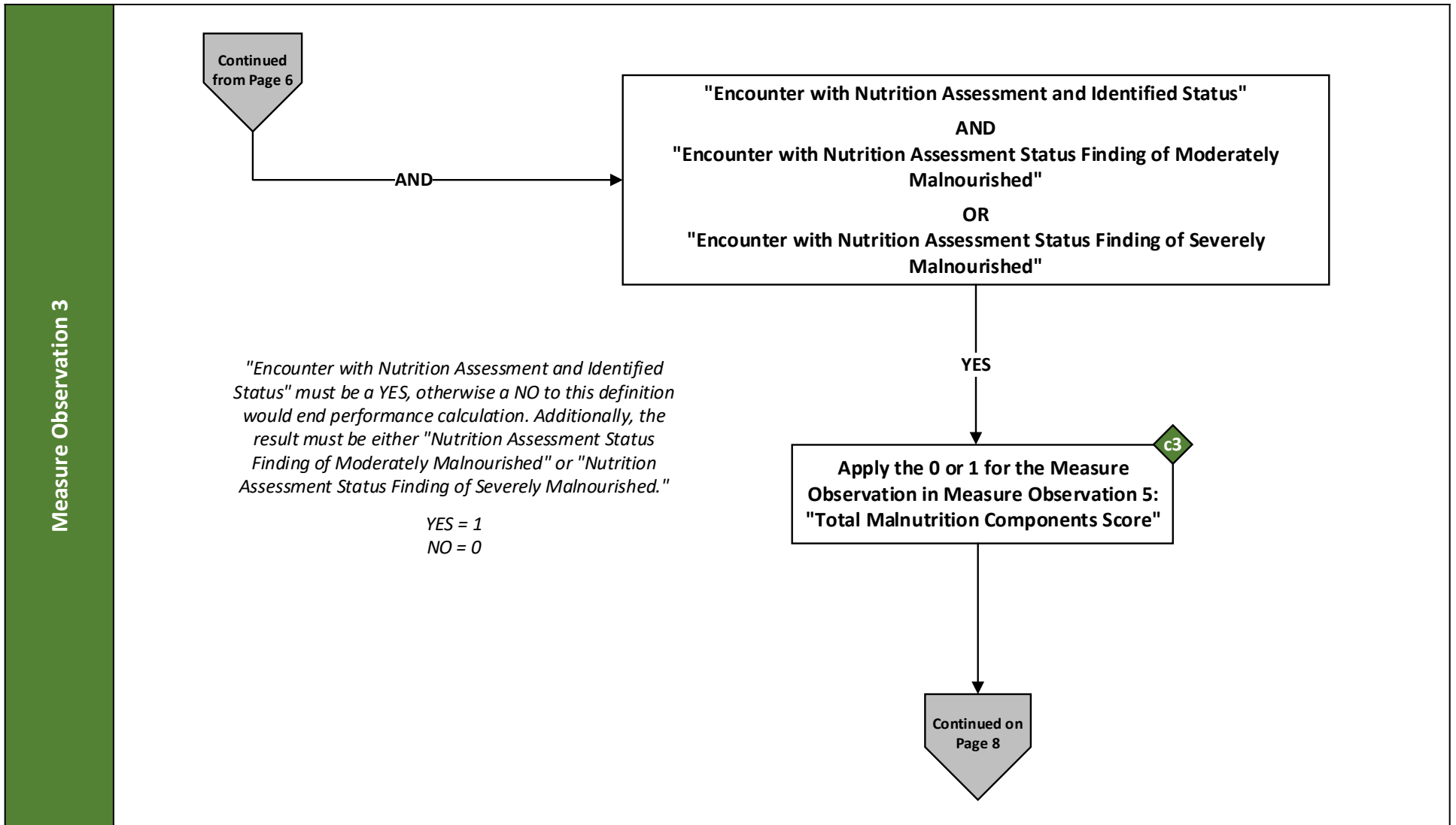
Measure Flow Diagram (Continued)

Measure Observation 2

Continued from Page 3 —AND→ **"Encounter with Nutrition Assessment Status Not or Mildly Malnourished"** —OR→ **"Encounter with Nutrition Assessment Status Finding of Moderately Malnourished"** —OR→ **"Encounter with Nutrition Assessment Status Finding of Severely Malnourished"**

"Initial Population"
WITH
["Assessment, Performed": "NUTRITION ASSESSMENT"]
SUCH THAT
Nutrition assessment during "Hospitalization With Observation"
AND
Result in "NUTRITION ASSESSMENT STATUS FINDING OF WELL NOURISHED OR NOT MALNOURISHED OR MILDLY MALNOURISHED"

"Initial Population"
WITH
["Assessment, Performed": "NUTRITION ASSESSMENT"]
SUCH THAT
Nutrition assessment during "Hospitalization With Observation"
AND
Result in "NUTRITION ASSESSMENT STATUS FINDING OF MODERATELY MALNOURISHED"

"Initial Population"
WITH
["Assessment, Performed": "NUTRITION ASSESSMENT"]
SUCH THAT
Nutrition assessment during "Hospitalization With Observation"
AND
Result in "NUTRITION ASSESSMENT STATUS FINDING OF SEVERELY MALNOURISHED"

One of these three definitions must be a YES, otherwise a NO to definition "Encounter with Nutrition Assessment and Identified Status" would end performance calculation since a status was not identified

YES = 1
NO = 0

A YES is required to move forward

—YES— —YES—

—YES→ **AND "Encounter with Malnutrition Risk Screening and Identified Result or with Hospital Dietitian Referral"** —YES→ Continued on Page 5

2025 eCQM Flow – **CMS986v4: Global Malnutrition Composite Score*** CBE# 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.
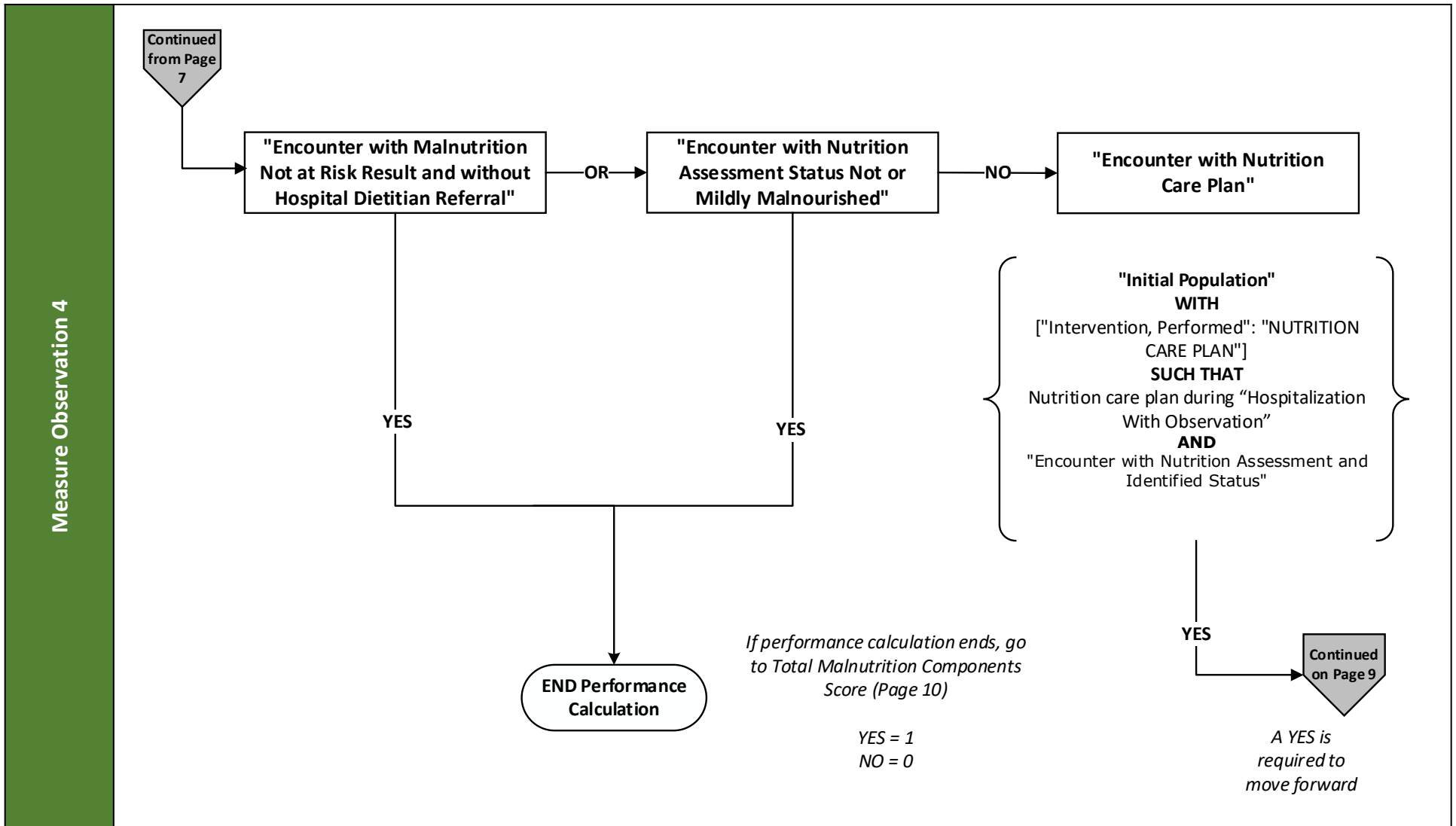
Measure Flow Diagram (Continued)

Measure Observation 2

Continued from Page 4

—AND—→

"Encounter with Malnutrition Risk Screening and Identified Result or with Hospital Dietitian Referral"

AND

"Encounter with Malnutrition Screening At Risk Result"

OR

"Encounter with Hospital Dietitian Referral"

YES   *YES = 1*
NO = 0

Apply the 0 or 1 for the Measure Observation in Measure Observation 5: "Total Malnutrition Components Score"   c2

Continued on Page 6

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.
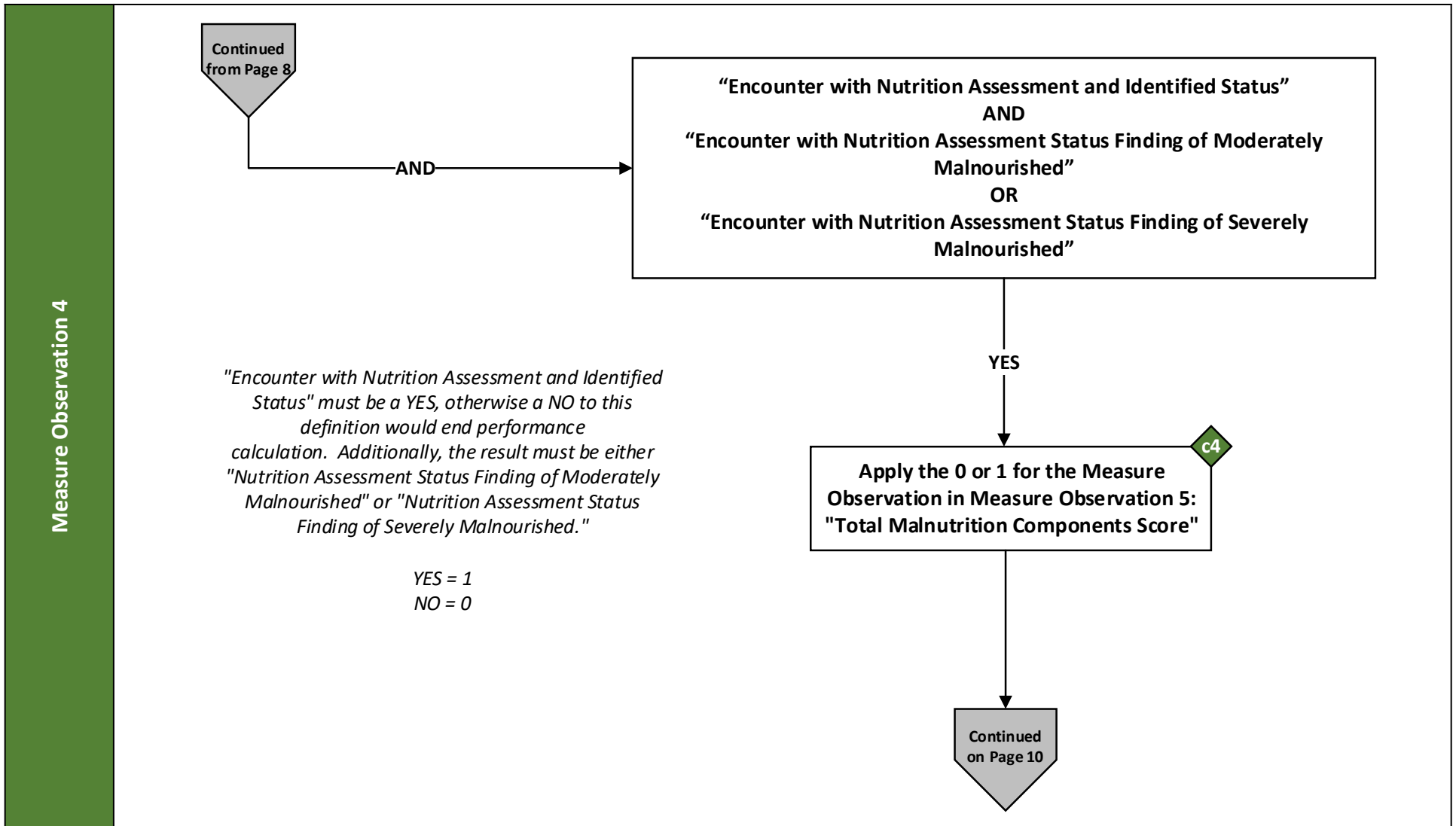
Measure Flow Diagram (Continued)

Measure Observation 3

Continued from Page 5

"Encounter with Malnutrition Not at Risk Result and without Hospital Dietitian Referral"

OR →

"Encounter with Nutrition Assessment Status Not or Mildly Malnourished"

NO →

"Encounter with Malnutrition Diagnosis"

{
"Initial Population"
WITH
["Diagnosis": "MALNUTRITION DIAGNOSIS"]
SUCH THAT
Malnutrition diagnosis overlaps "Hospitalization With Observation"
}

YES

YES

END Performance Calculation

If performance calculation ends, go to Total Malnutrition Components Score (Page 10)

YES = 1
NO = 0

YES

A YES is required to move forward

2025 eCQM Flow – **CMS986v4: Global Malnutrition Composite Score*** CBE# 3592e

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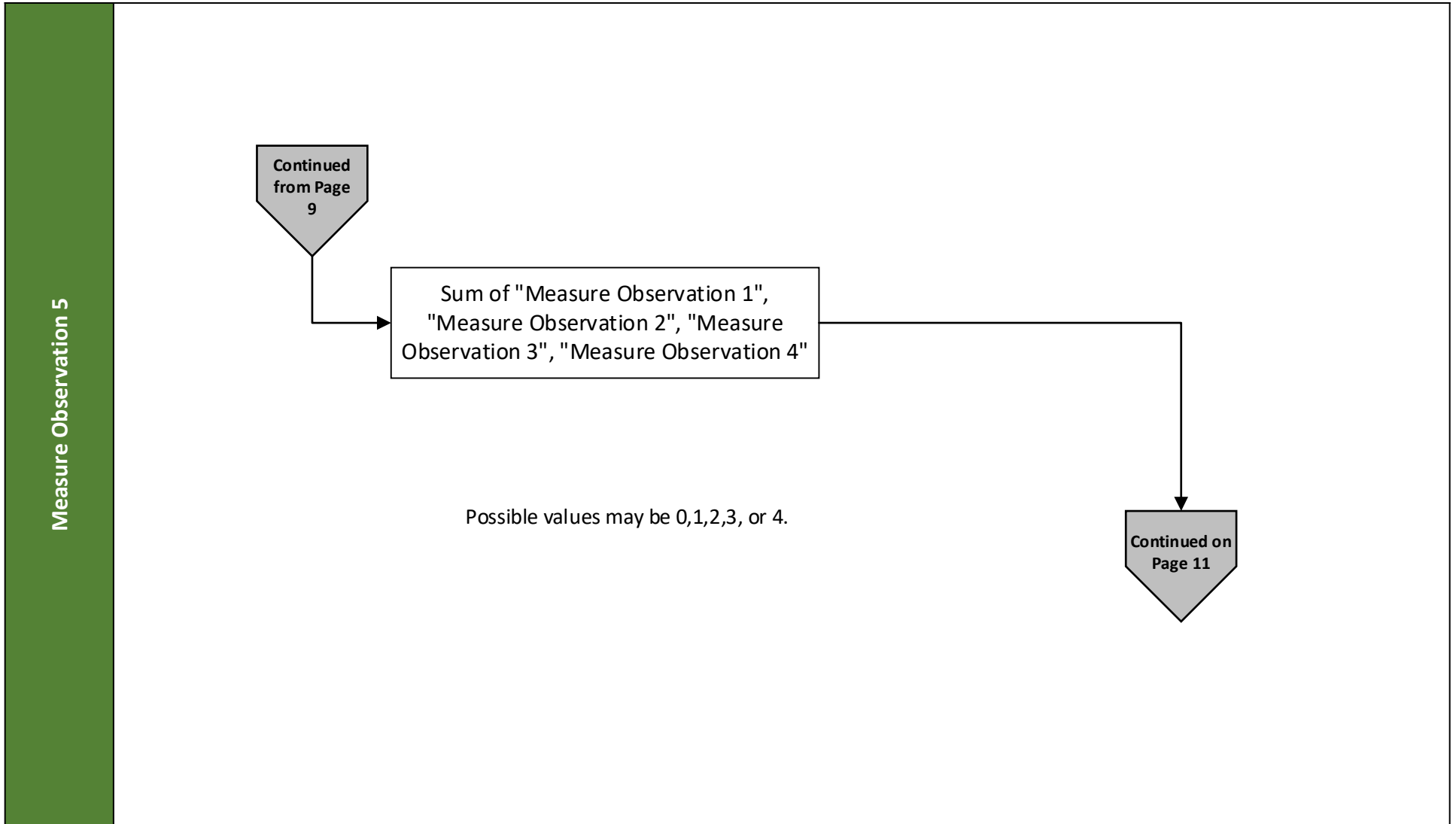
Measure Flow Diagram (Continued)

Measure Observation 3

Continued from Page 6

AND →

"Encounter with Nutrition Assessment and Identified Status"

AND

"Encounter with Nutrition Assessment Status Finding of Moderately Malnourished"

OR

"Encounter with Nutrition Assessment Status Finding of Severely Malnourished"

"Encounter with Nutrition Assessment and Identified Status" must be a YES, otherwise a NO to this definition would end performance calculation. Additionally, the result must be either "Nutrition Assessment Status Finding of Moderately Malnourished" or "Nutrition Assessment Status Finding of Severely Malnourished."

YES = 1
NO = 0

YES

c3

Apply the 0 or 1 for the Measure Observation in Measure Observation 5: "Total Malnutrition Components Score"

Continued on Page 8

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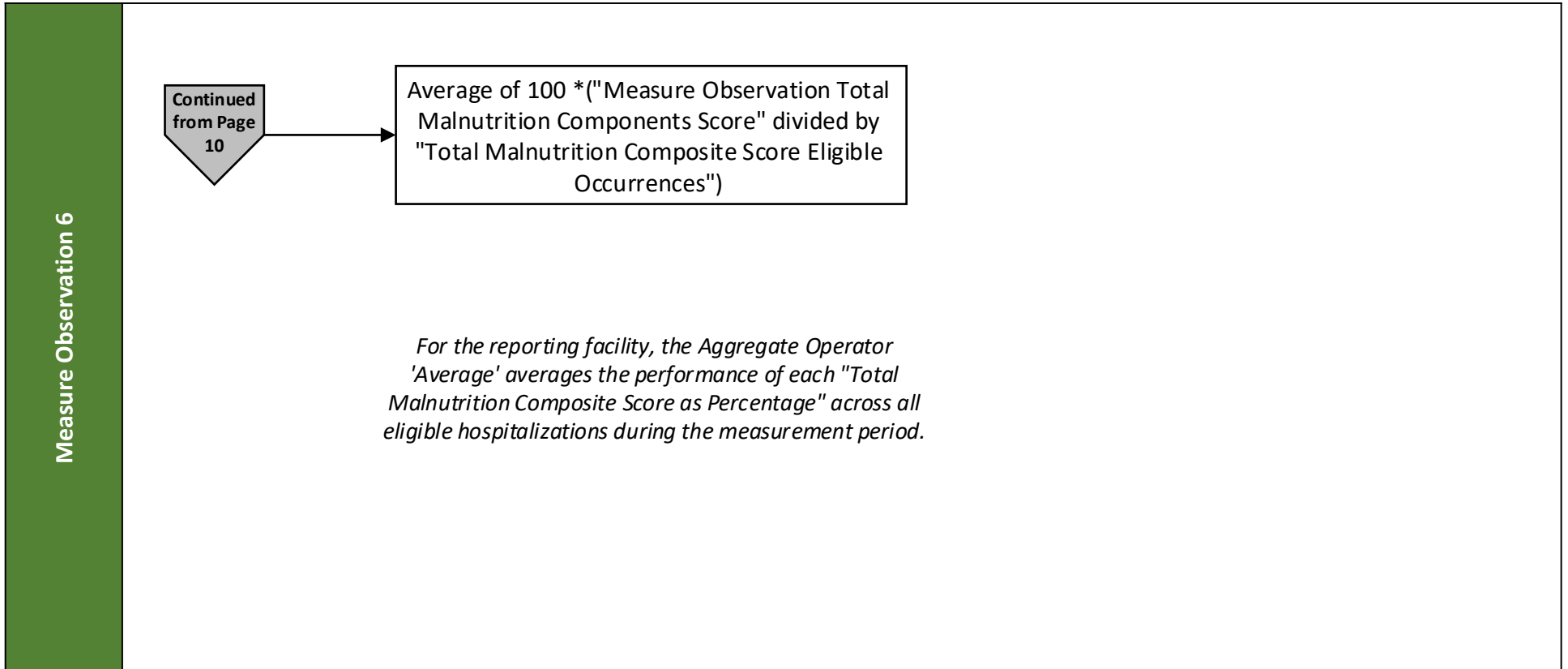
Measure Flow Diagram (Continued)

Measure Observation 4

Continued from Page 7

"Encounter with Malnutrition Not at Risk Result and without Hospital Dietitian Referral" —OR→ "Encounter with Nutrition Assessment Status Not or Mildly Malnourished" —NO→ "Encounter with Nutrition Care Plan"

"Initial Population"
WITH
["Intervention, Performed": "NUTRITION CARE PLAN"]
SUCH THAT
Nutrition care plan during "Hospitalization With Observation"
AND
"Encounter with Nutrition Assessment and Identified Status"

YES (from Malnutrition Not at Risk box)

YES (from Nutrition Assessment Status box)

END Performance Calculation

If performance calculation ends, go to Total Malnutrition Components Score (Page 10)

YES = 1
NO = 0

YES
Continued on Page 9

A YES is required to move forward

2025 eCQM Flow – **CMS986v4: Global Malnutrition Composite Score*** CBE# 3592e

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Measure Flow Diagram (Continued)

Measure Observation 4

Continued from Page 8

AND →

"Encounter with Nutrition Assessment and Identified Status"
AND
"Encounter with Nutrition Assessment Status Finding of Moderately Malnourished"
OR
"Encounter with Nutrition Assessment Status Finding of Severely Malnourished"

"Encounter with Nutrition Assessment and Identified Status" must be a YES, otherwise a NO to this definition would end performance calculation. Additionally, the result must be either "Nutrition Assessment Status Finding of Moderately Malnourished" or "Nutrition Assessment Status Finding of Severely Malnourished."

YES = 1
NO = 0

YES

c4

Apply the 0 or 1 for the Measure Observation in Measure Observation 5: "Total Malnutrition Components Score"

Continued on Page 10

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Measure Flow Diagram (Continued)

Measure Observation 5

Continued from Page 9

Sum of "Measure Observation 1", "Measure Observation 2", "Measure Observation 3", "Measure Observation 4"

Possible values may be 0,1,2,3, or 4.

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Measure Flow Diagram (Continued)

Measure Observation 6

Continued from Page 10

→ Average of 100 *("Measure Observation Total Malnutrition Components Score" divided by "Total Malnutrition Composite Score Eligible Occurrences")

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.

Sample Calculation

Total Malnutrition Component Score as a Percentage = $\dfrac{\text{Measure Observation Total Malnutrition Components Score (c1 + c2 + c3 + c4) = 4}}{\text{Total Malnutrition Composite Score Eligible Occurrences = 4}}$ * 100 = 100%

2025 eCQM Flow – **CMS986v4: Global Malnutrition Composite Score*** CBE# 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 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 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.
Initial Population	Start by identifying the initial population criteria 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. There are six (6) measure observations. This measure is constructed of four clinically eligible components aggregated as the arithmetic average of eligible hospitalizations. A single measure population is used to calculate the "Total Malnutrition Components Score" and "Total Malnutrition Composite Score as Percentage." 1. Measure Observation 1 is "Encounters with Malnutrition Risk Screening and Identified Result or a Hospital Dietitian Referral" 2. Measure Observation 2 is "Encounters with Nutrition Assessment and Identified Status" 3. Measure Observation 3 is "Encounters with Malnutrition Diagnosis" 4. Measure Observation 4 is "Encounters with Nutrition Care Plan" 5. Measure Observation is "Total Malnutrition Components Score" equals the sum of Measure Observation 1, Measure Observation 2, Measure Observation 3, and Measure Observation 4 6. Measure Observation is "Total Malnutrition Composite Score as Percentage" equals ("Total Malnutrition Components Score" divided by "Total Malnutrition Composite Score Eligible Occurrences") multiplied by 100