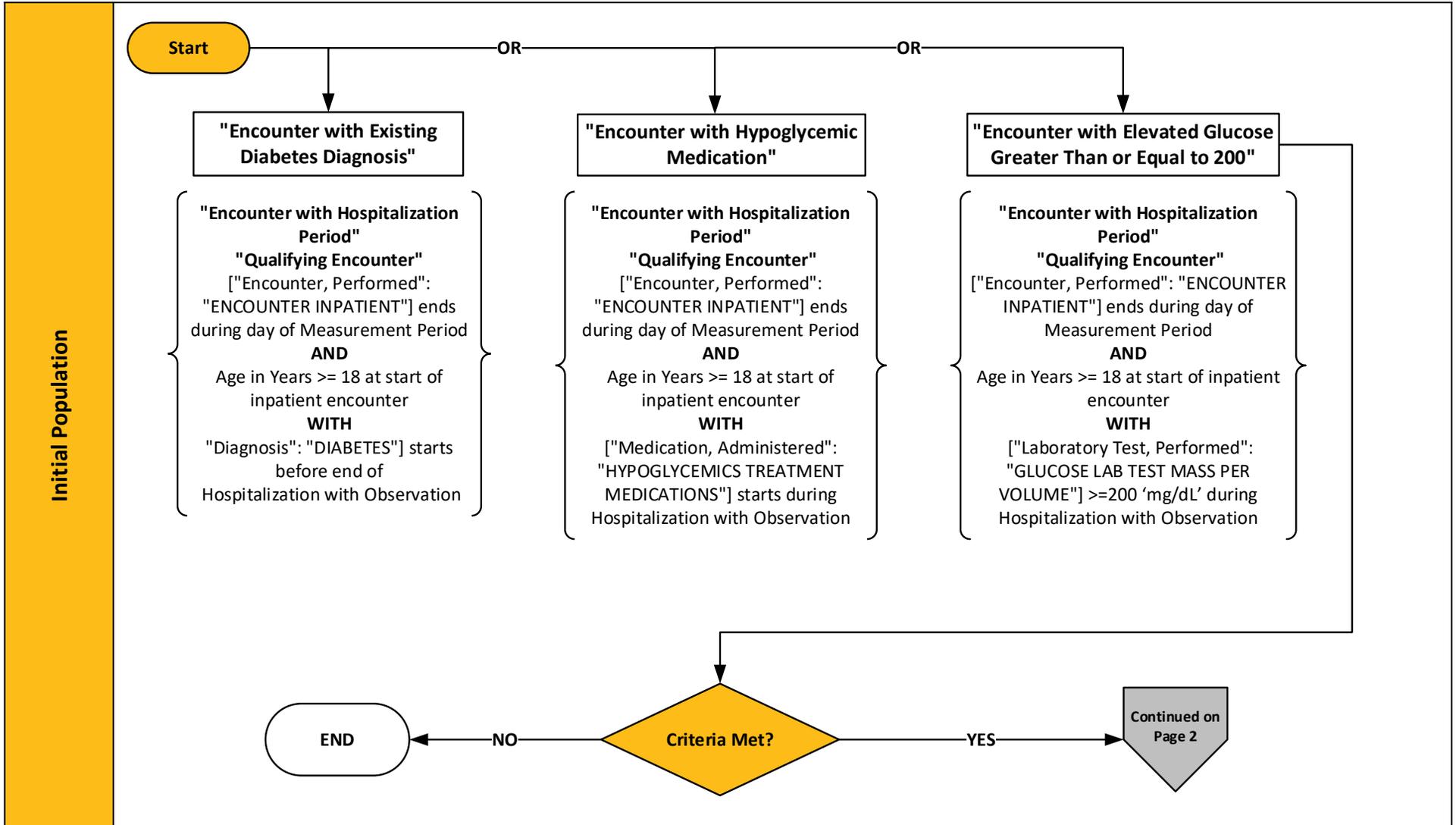


2024 eCQM Flow – CMS871v3: Hospital Harm - Severe Hyperglycemia (HH-02)* NQF# 3533e

*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.

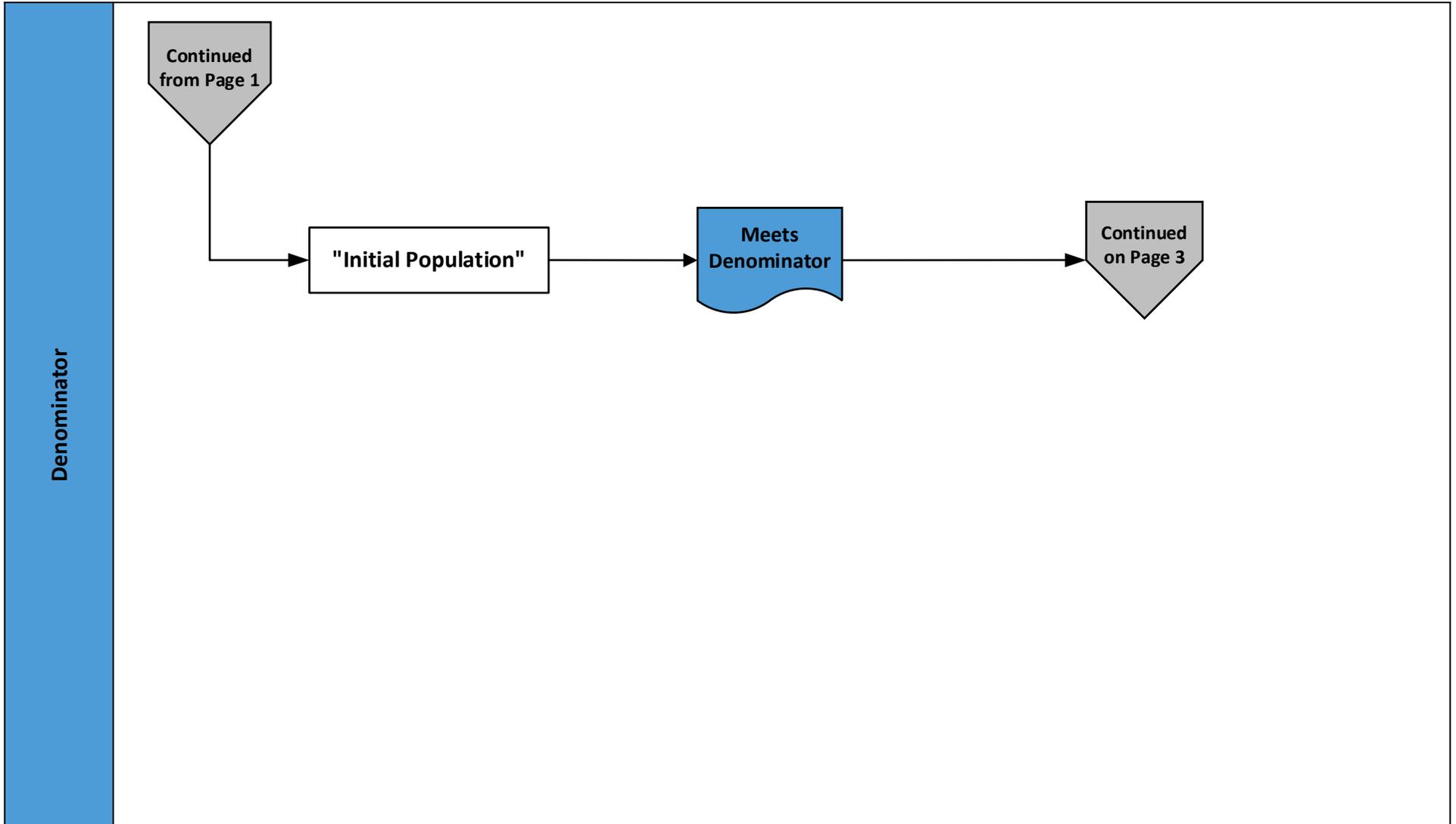
Measure Flow Diagram



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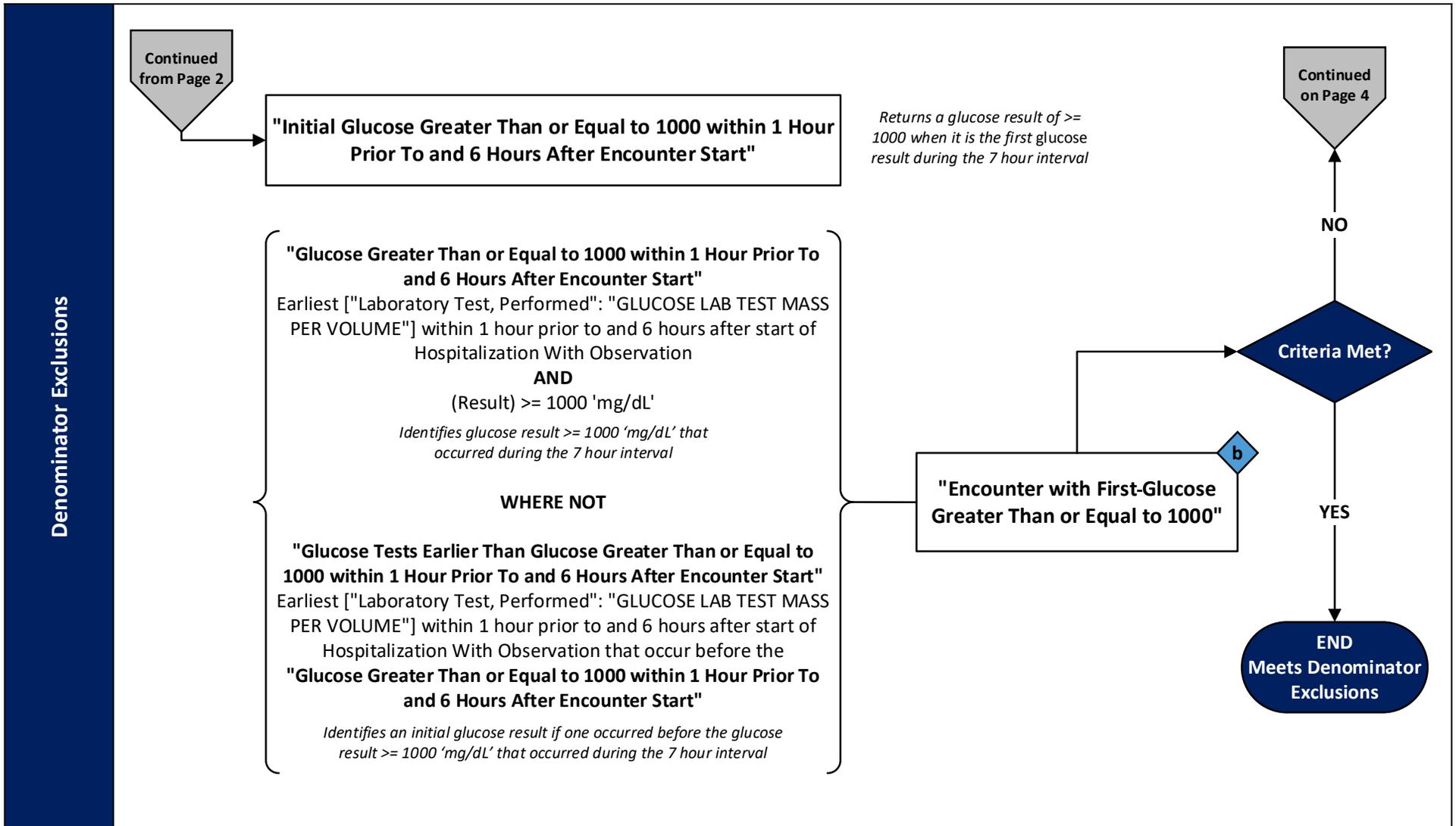
Measure Flow Diagram (Continued)



2024 eCQM Flow – CMS871v3: Hospital Harm - Severe Hyperglycemia (HH-02)* NQF# 3533e

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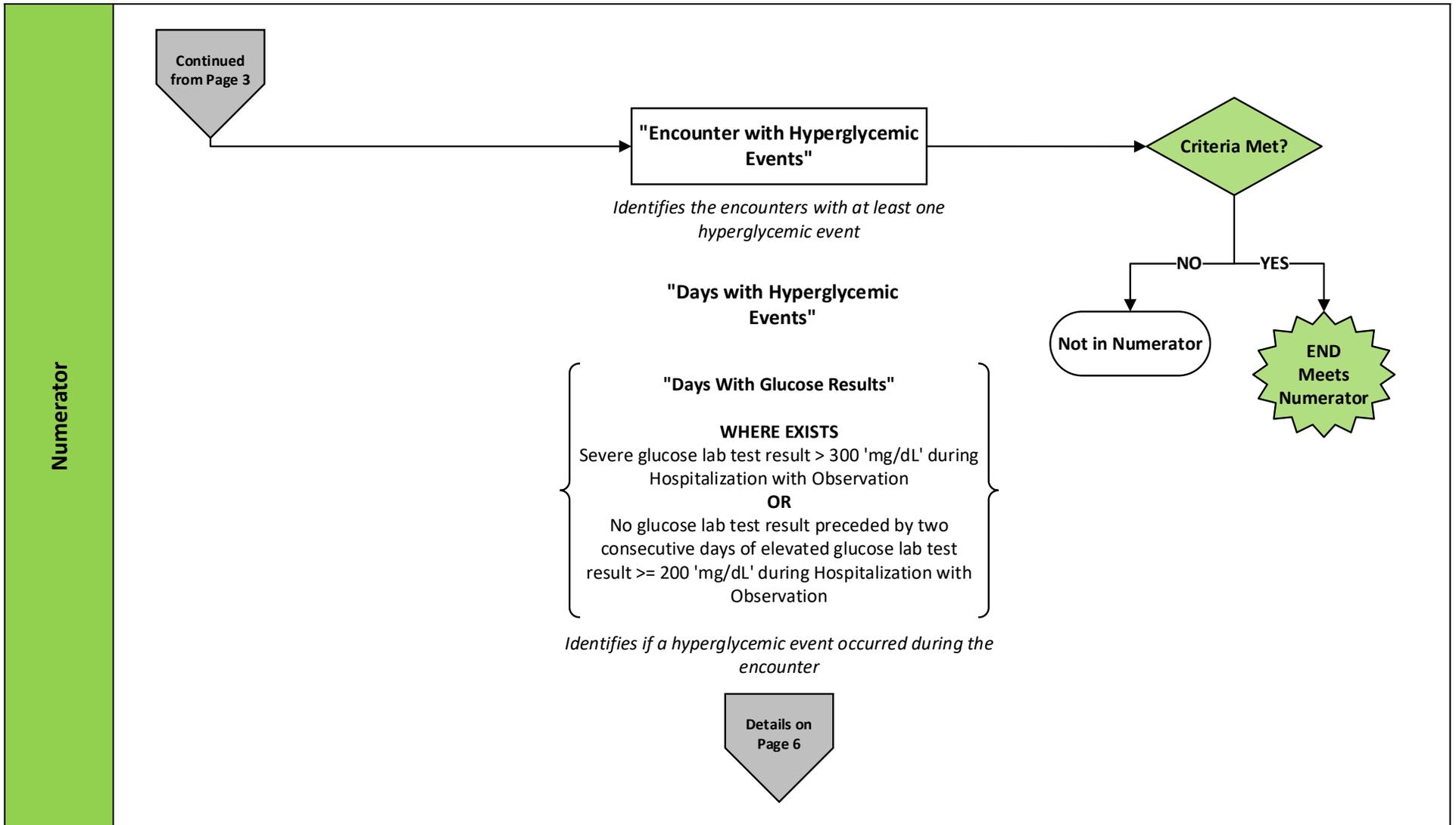
Measure Flow Diagram (Continued)



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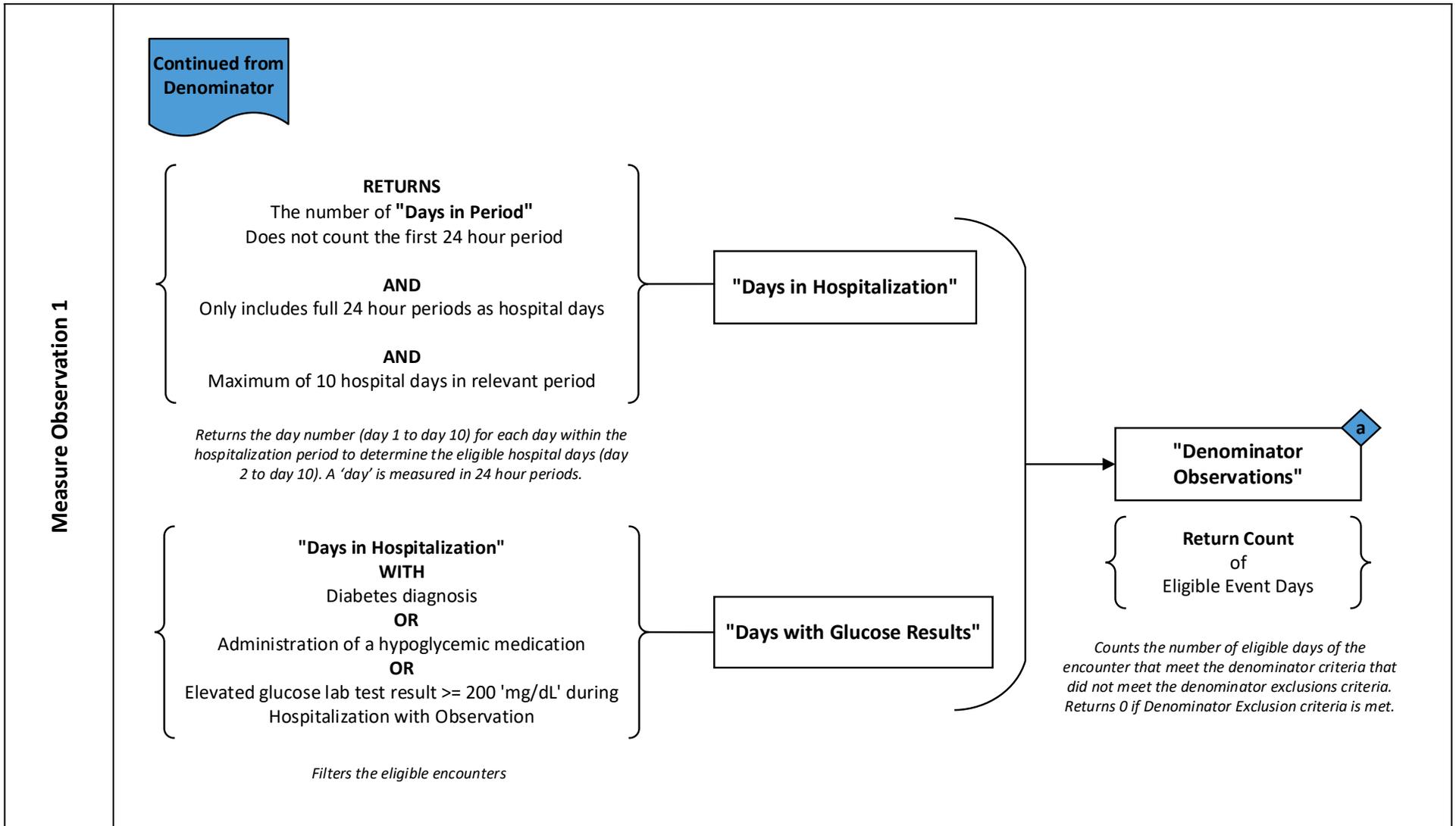
Measure Flow Diagram (Continued)



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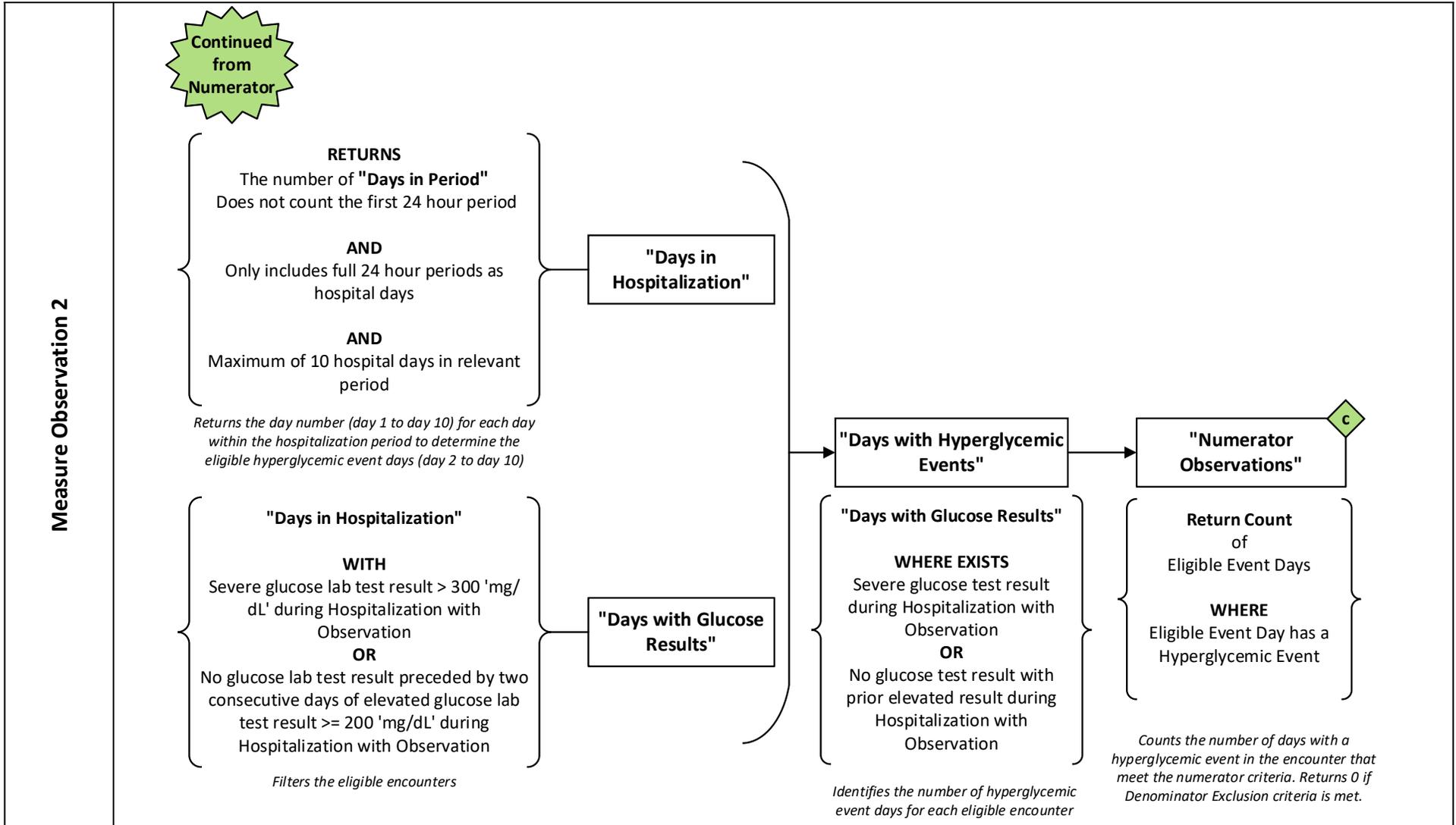
Measure Flow Diagram (Continued)



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Measure Flow Diagram (Continued)



2024 eCQM Flow – CMS871v3: Hospital Harm - Severe Hyperglycemia (HH-02)* NQF# 3533e

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Measure Flow Diagram (Continued)

Sample Calculation

$$\text{Performance Rate} = \frac{\text{Measure Observations 2 associated with the Numerator (c = 100)}}{\text{Measure Observations 1 associated with the Denominator (a = 550) – Denominator Exclusions (b = 50)}} = 20\%$$

2024 eCQM Flow – CMS871v3: Hospital Harm - Severe Hyperglycemia (HH-02)* NQF# 3533e

**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 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 number of inpatient hospital days for patients age 18 and older with a hyperglycemic event (harm) per the total qualifying inpatient hospital days for that encounter
Initial Population	<p>Start by identifying the initial population criteria as inpatient hospitalizations for patients age 18 and older that end during the measurement period, as well as either:</p> <ul style="list-style-type: none"> - A diagnosis of diabetes that starts before or during the encounter; or - Administration of at least one dose of insulin or any hypoglycemic medication during the encounter; or - Presence of at least one glucose value ≥ 200 mg/dL at any time during the encounter <p>Inpatient hospitalizations: Includes time in the emergency department and observation when the transition between these encounters (if they exist) and the inpatient encounter are within an hour or less of each other</p>
Denominator	The denominator is equal to the initial population
Denominator Exclusions	The denominator exclusions criteria are used to identify a subset of the denominator population by excluding inpatient hospitalizations for patients with an initial glucose result of ≥ 1000 mg/dL anytime between 1 hour prior to the start of the encounter to 6 hours after the start of the encounter

2024 eCQM Flow – CMS871v3: Hospital Harm - Severe Hyperglycemia (HH-02)* NQF# 3533e

**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 Narrative (Continued)

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

Numerator	<p>The numerator criteria identify a subset of the denominator population (that did not meet the denominator exclusions criteria) by including inpatient hospitalizations with a hyperglycemic event within the first 10 days of the encounter minus the first 24 hours, and minus the last period before discharge from the hospital if less than 24 hours.</p> <p>A hyperglycemic event is defined as:</p> <ol style="list-style-type: none"> 1) A day with at least one glucose value >300 mg/dL; <p>OR</p> <ol style="list-style-type: none"> 2) A day where a glucose test was not found, and it was immediately preceded by two contiguous, consecutive days where at least one glucose value during each of the two days was >=200 mg/dL
Measure Observations	<p>There are two Measure Observations:</p> <p>Encounter Observation 1, associated with the Denominator of the ratio: The total number of eligible days of the inpatient hospitalization which match the initial population/denominator criteria and did not meet the denominator exclusions criteria.</p> <p>Encounter Observation 2, associated with the Numerator of the ratio: The total number of hyperglycemic days during the inpatient hospitalization that meet the numerator criteria. Days with a hyperglycemic event are defined as:</p> <ul style="list-style-type: none"> - All days with a glucose level >300 mg/dL (except those occurring in the first 24-hour period after admission to the hospital (including the emergency department and observation)), <p>OR</p> <ul style="list-style-type: none"> - All days where a glucose was not measured, and it was immediately preceded by two contiguous, consecutive days where at least one glucose value during each of the two days was >=200 mg/dL. <p>The length of stay for all eligible inpatient hospitalizations is truncated to <=10 days when the length exceeds 10 days.</p> <p>Do not count the last day if it was less than a 24-hour period, as this is not considered a full day.</p>