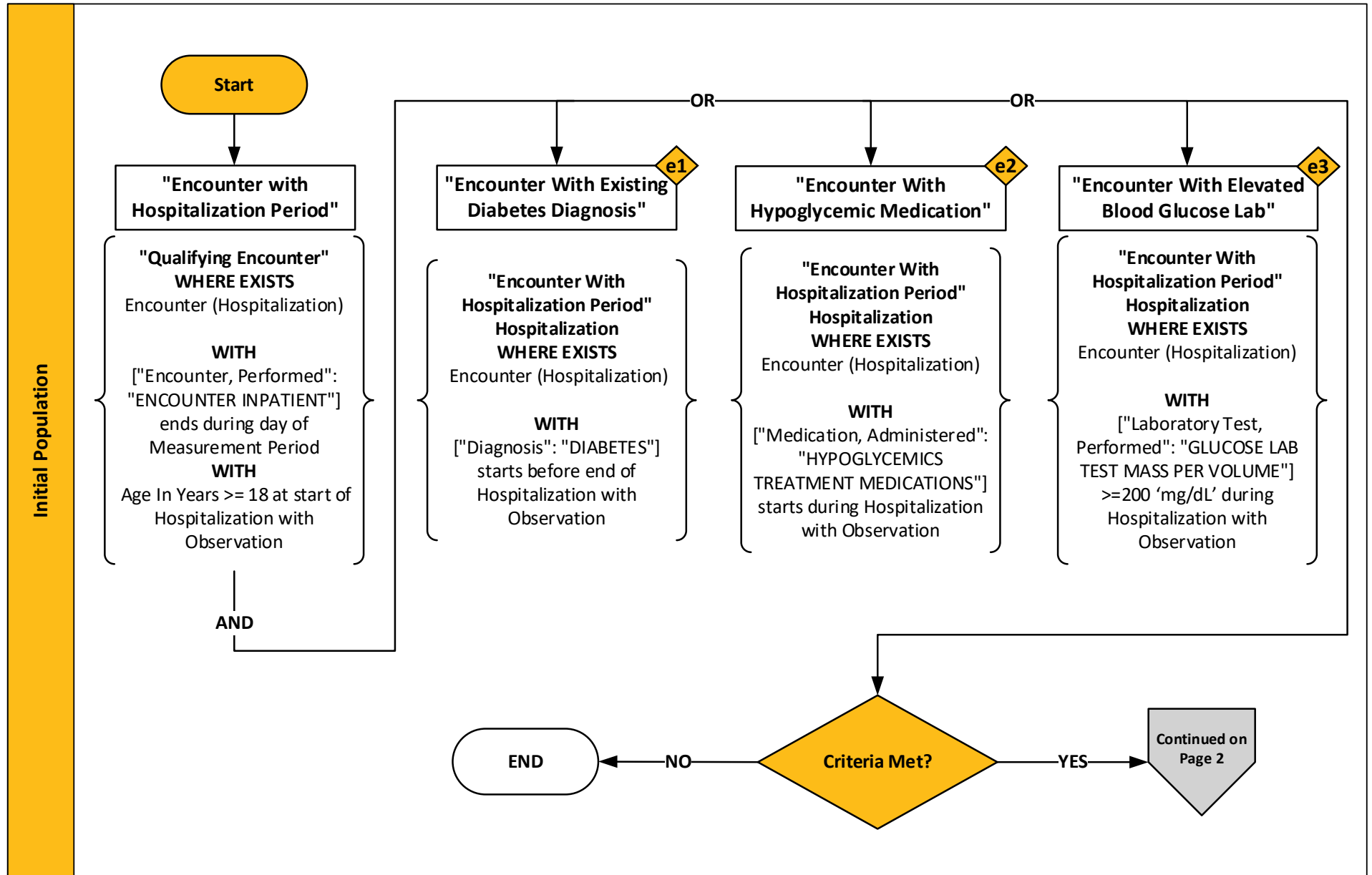


# 2023 eCQM Flow – CMS871v2: Hospital Harm - Severe Hyperglycemia (HH-02)\* NQF# 3533e

\*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.

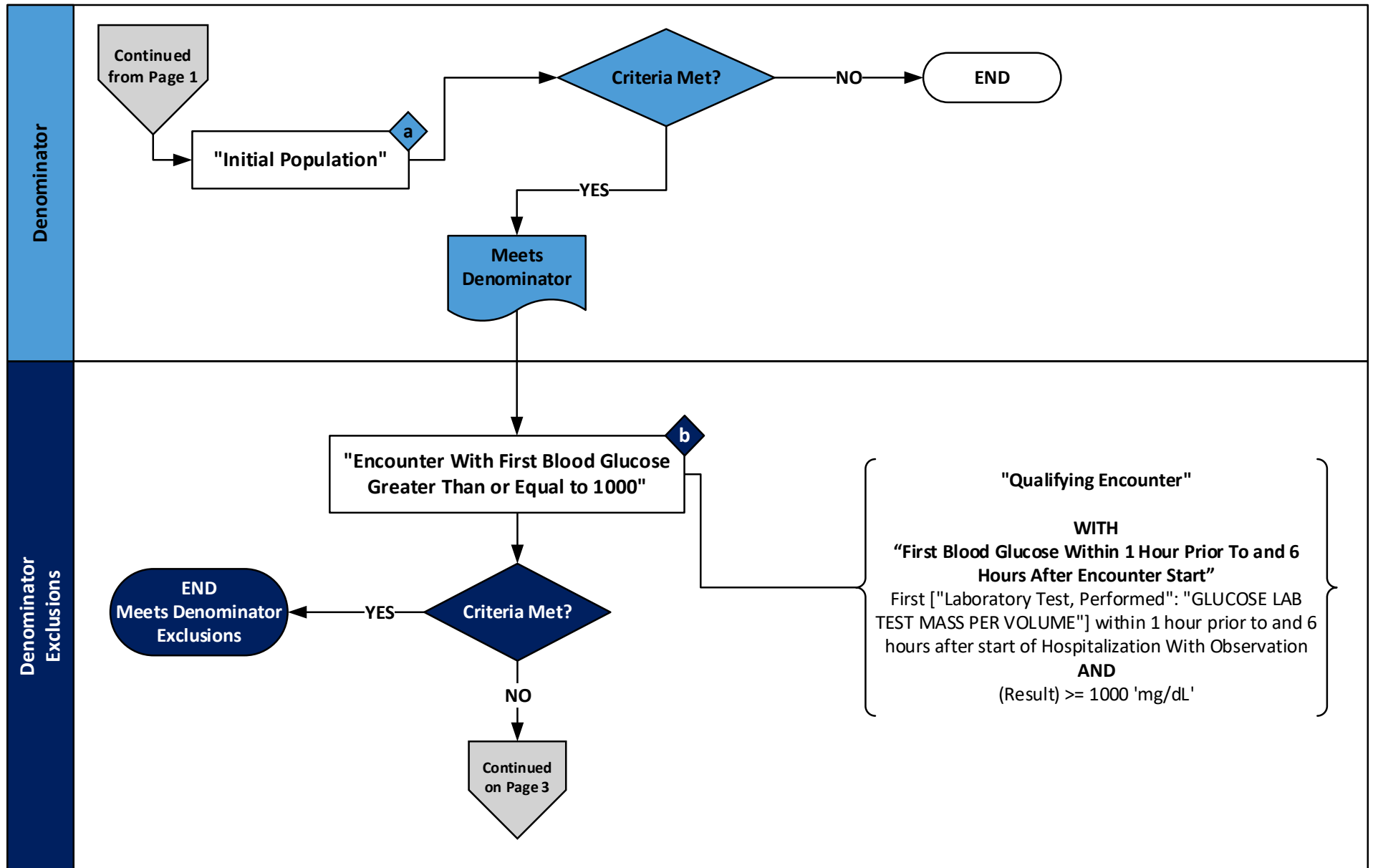
## Measure Flow Diagram



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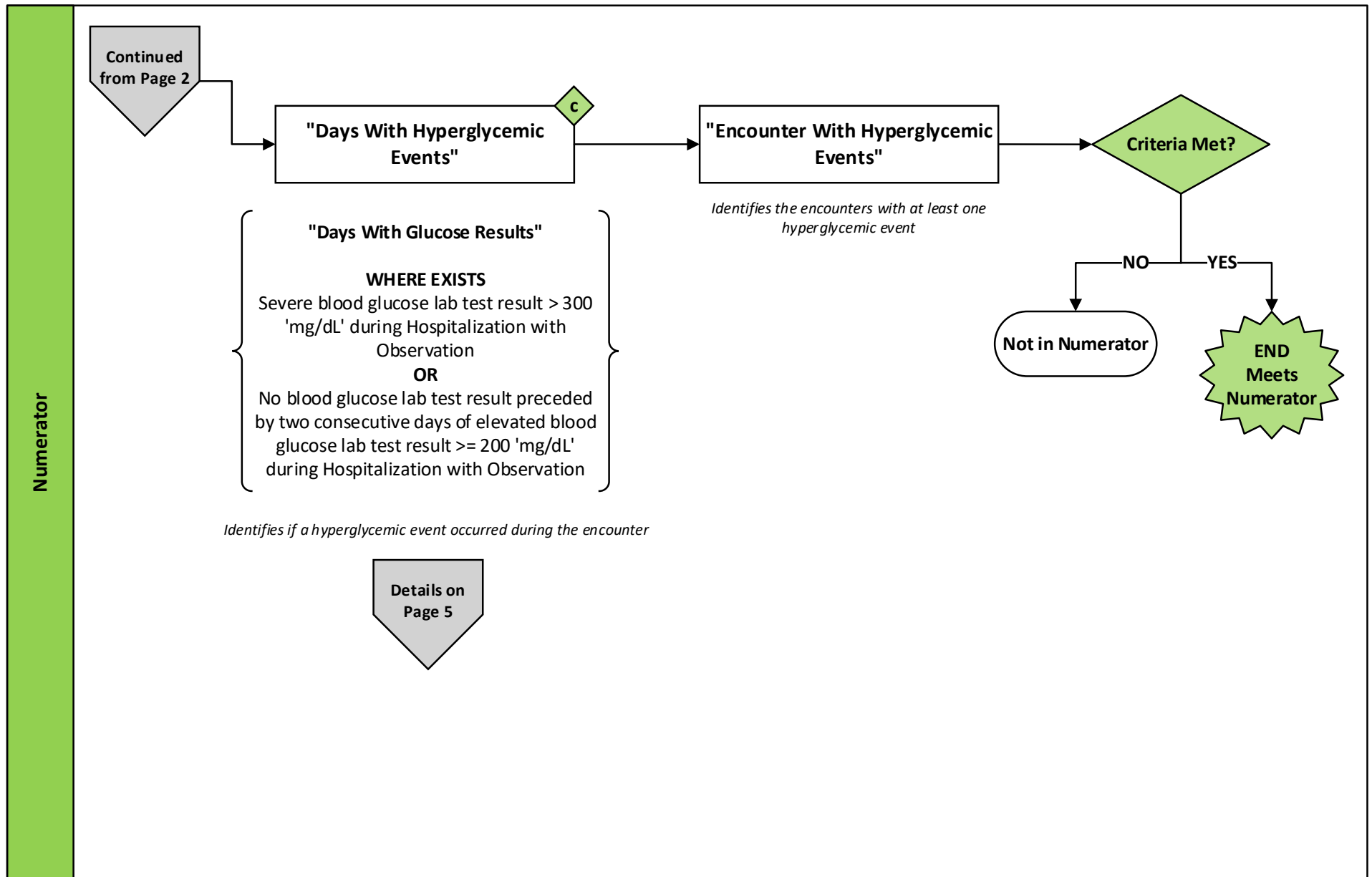
## Measure Flow Diagram (Continued)



# 2023 eCQM Flow – CMS871v2: 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.

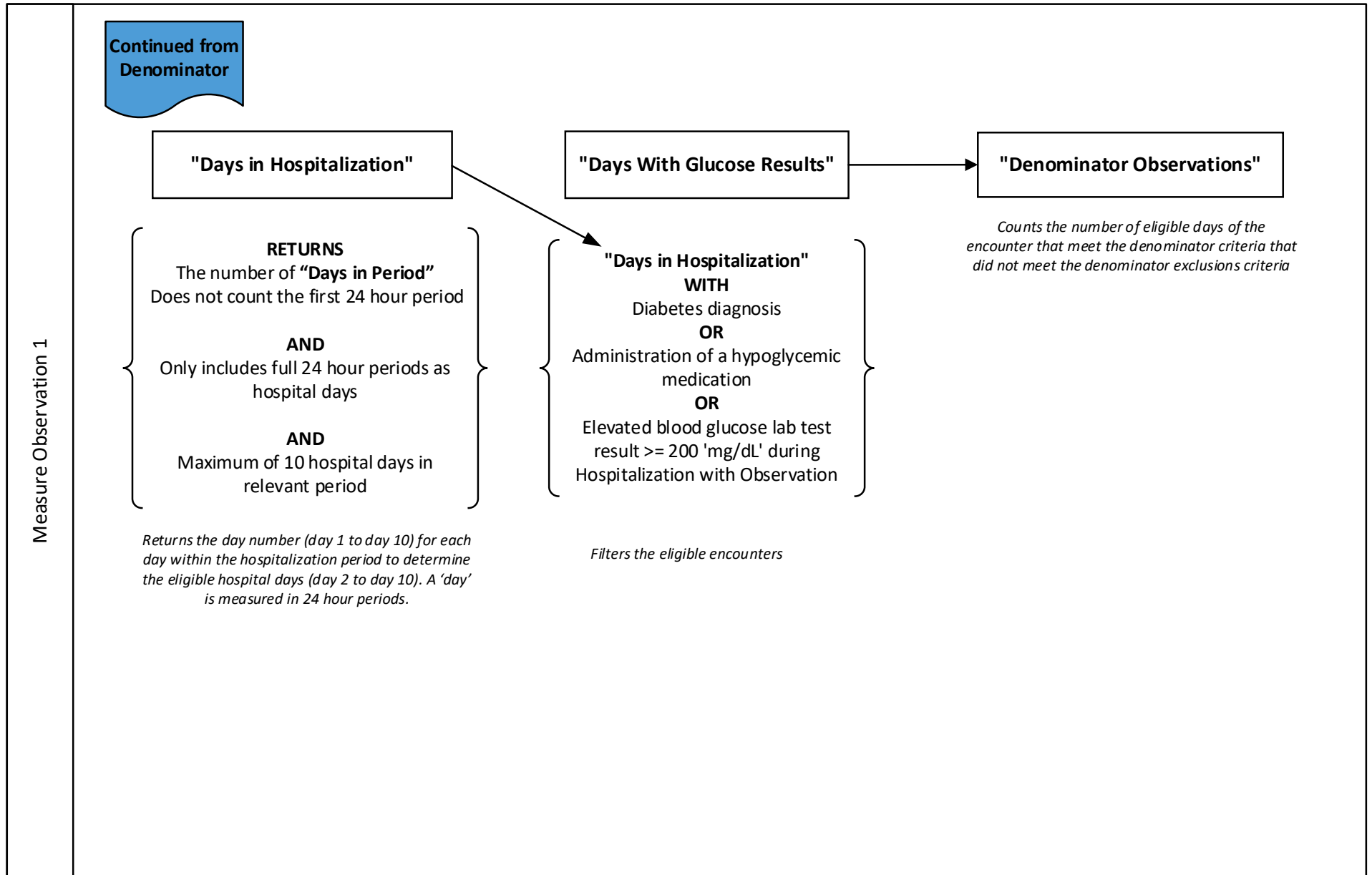
## Measure Flow Diagram (Continued)



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\*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.

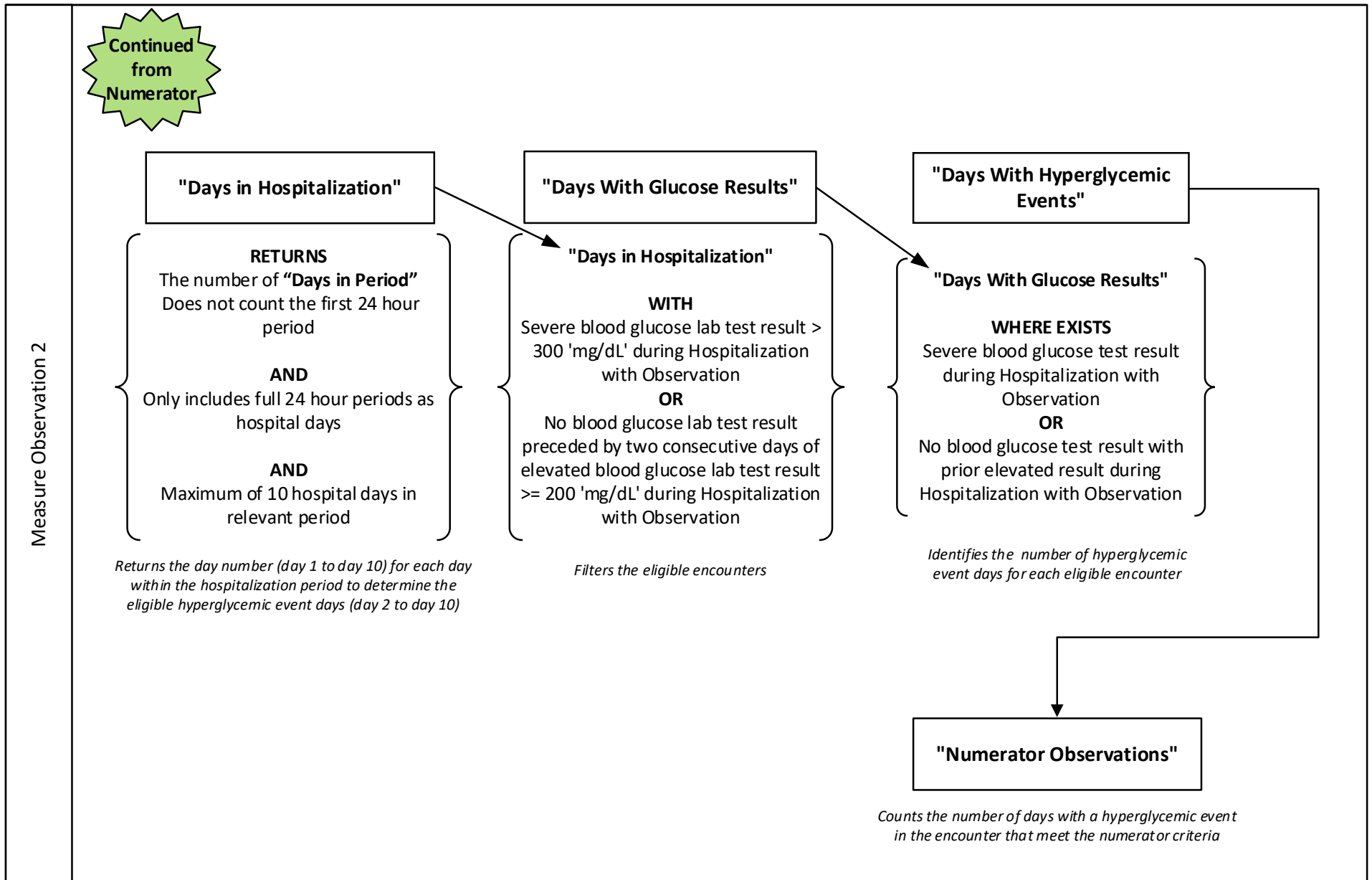
## Measure Flow Diagram (Continued)



# 2023 eCQM Flow – CMS871v2: 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 (Continued)



## 2023 eCQM Flow – CMS871v2: 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 (Continued)

#### Sample Calculation

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

## 2023 eCQM Flow – CMS871v2: 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.

<b>Measure Description</b>	This measure assesses the number of inpatient hospital days with a hyperglycemic event (harm) per the total qualifying inpatient hospital days for that encounter for patients 18 years of age or older at admission
<b>Initial Population</b>	<p>Start by identifying the initial population criteria as inpatient hospitalizations where the patient is 18 years or older at the start of the admission with a discharge during the measurement period, as well as either:</p> <ol style="list-style-type: none"> <li>1) a diagnosis of diabetes that starts before or during the encounter; or</li> <li>2) administration of at least one dose of insulin or any hypoglycemic medication during the encounter; or</li> <li>3) presence of at least one blood glucose value <math>\geq 200</math> mg/dL at any time during the encounter</li> </ol> <p>The measure includes inpatient hospitalizations that began in the emergency department or in observation</p>
<b>Denominator</b>	The denominator criteria is equal to the initial population
<b>Denominator Exclusions</b>	The denominator exclusions criteria are used to identify a subset of the denominator population by excluding inpatient hospitalizations for patients with an initial blood glucose result of $\geq 1000$ mg/dL anytime between 1 hour prior to the start of the encounter to 6 hours after the start of the encounter

## 2023 eCQM Flow – CMS871v2: 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.

<b>Numerator</b>	<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 if less than 24 hours</p> <p>A hyperglycemic event is defined as:</p> <ol style="list-style-type: none"> <li>1) A day with at least one blood glucose value &gt;300 mg/dL;</li> </ol> <p>OR</p> <ol style="list-style-type: none"> <li>2) A day where a blood glucose test was not done, and it was preceded by two consecutive days where at least one glucose value during each of the two days was &gt;=200 mg/dL</li> </ol>
<b>Measure Observations</b>	<p>There are two Measure Observations:</p> <p>Measure Observation 1, associated with the Denominator: The total number of eligible days of the inpatient hospitalization which match the initial population/denominator criteria (and that did not meet the denominator exclusions criteria).</p> <p>Measure Observation 2, associated with the Numerator: The total number of hyperglycemic days during the inpatient hospitalization (and that did not meet the denominator exclusions criteria). Days with a hyperglycemic event are defined as:</p> <ol style="list-style-type: none"> <li>a) All days with a blood glucose level &gt;300 mg/dL (except those occurring in the first 24-hour period after admission to the hospital (including the emergency department and observation)),</li> </ol> <p>OR</p> <ol style="list-style-type: none"> <li>b) All days where a blood glucose was not measured, and it was preceded by two consecutive days where at least one glucose value during each of the two days was &gt;=200 mg/dL.</li> </ol> <p>The length of stay for all eligible inpatient hospitalizations is truncated to &lt;=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>