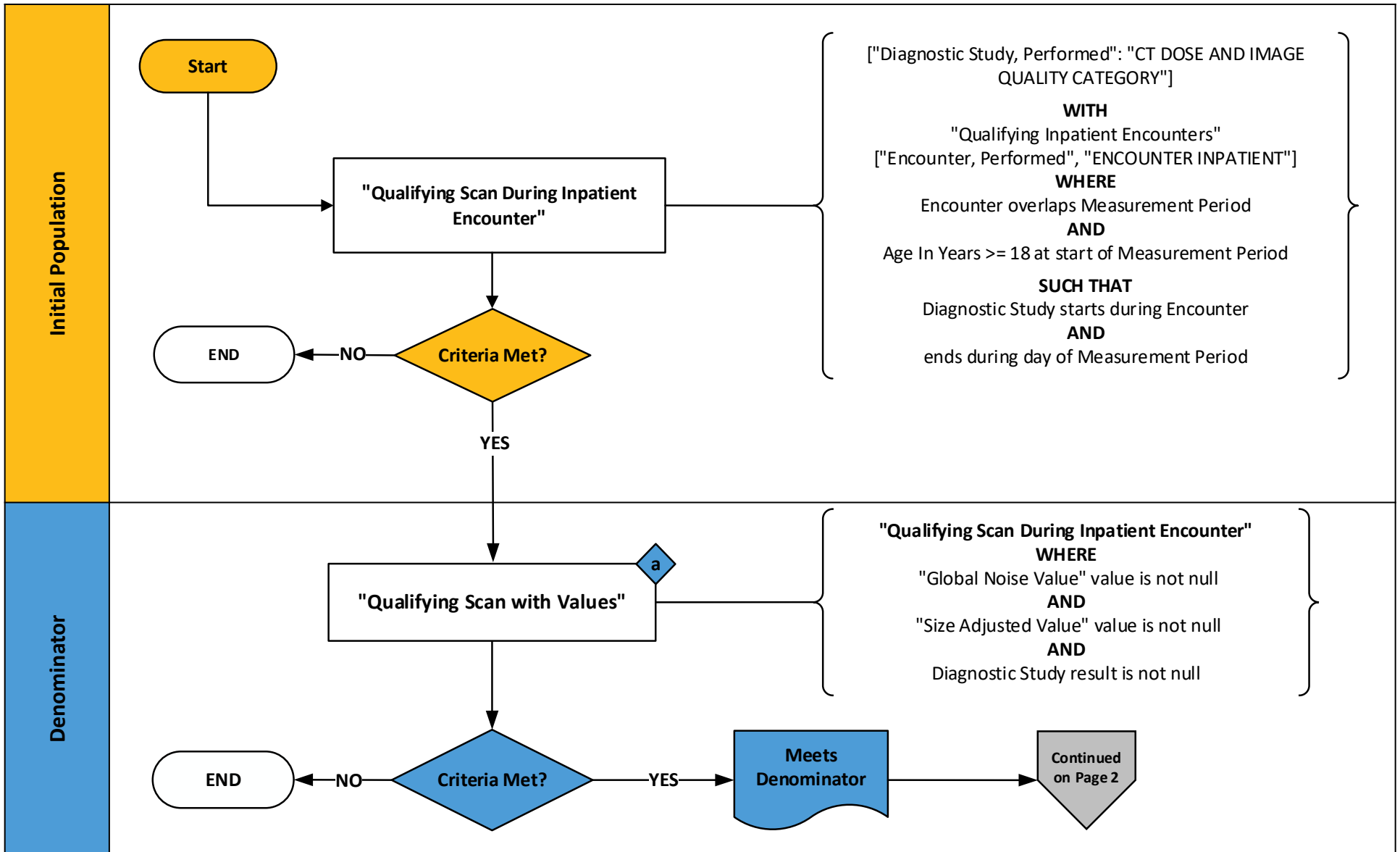


# 2025 eCQM Flow – CMS1074v2: Excessive Radiation Dose or Inadequate Image Quality for Diagnostic Computed Tomography (CT) in Adults (Facility IQR) CBE# 3663e

\*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.

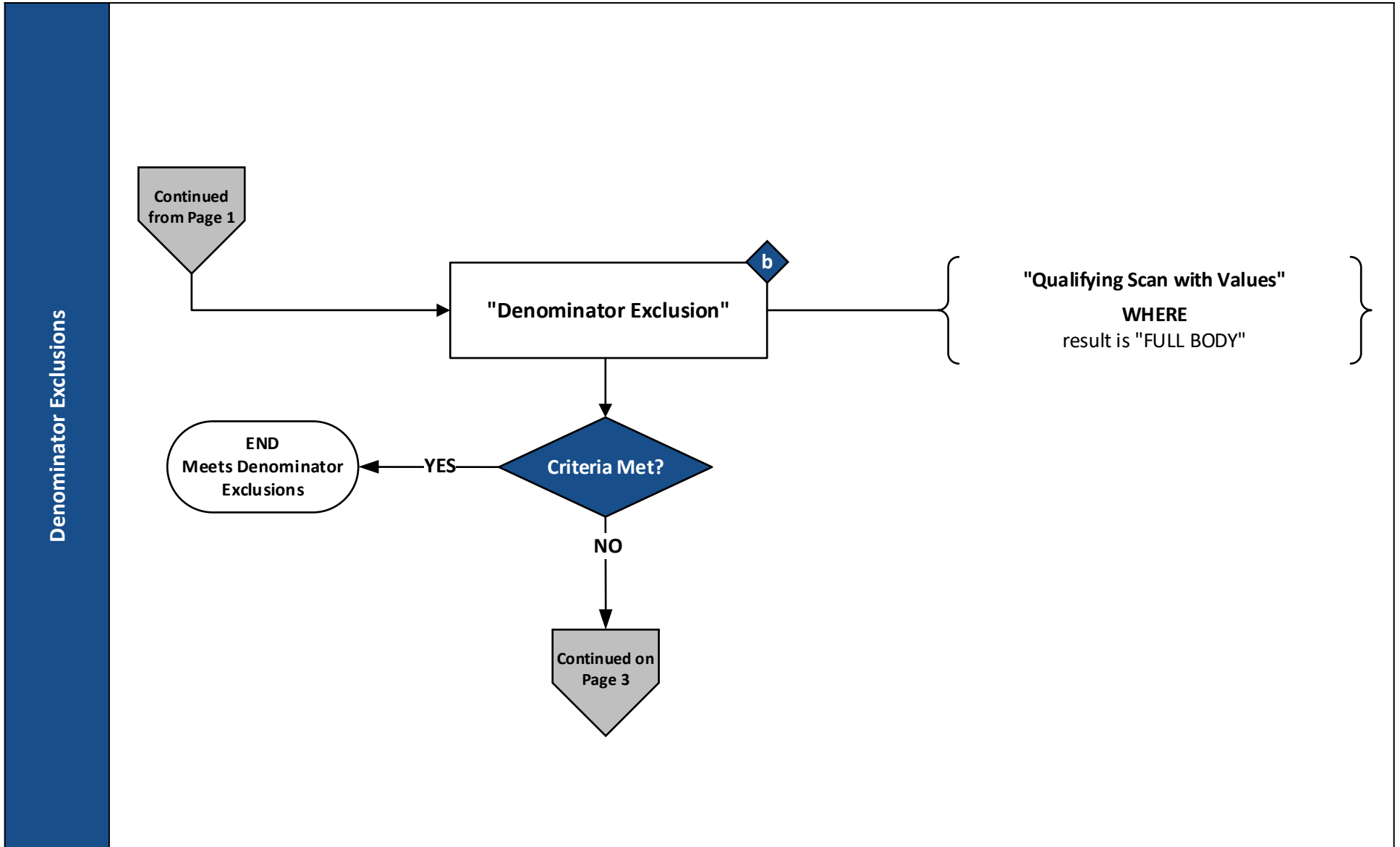
## Measure Flow Diagram



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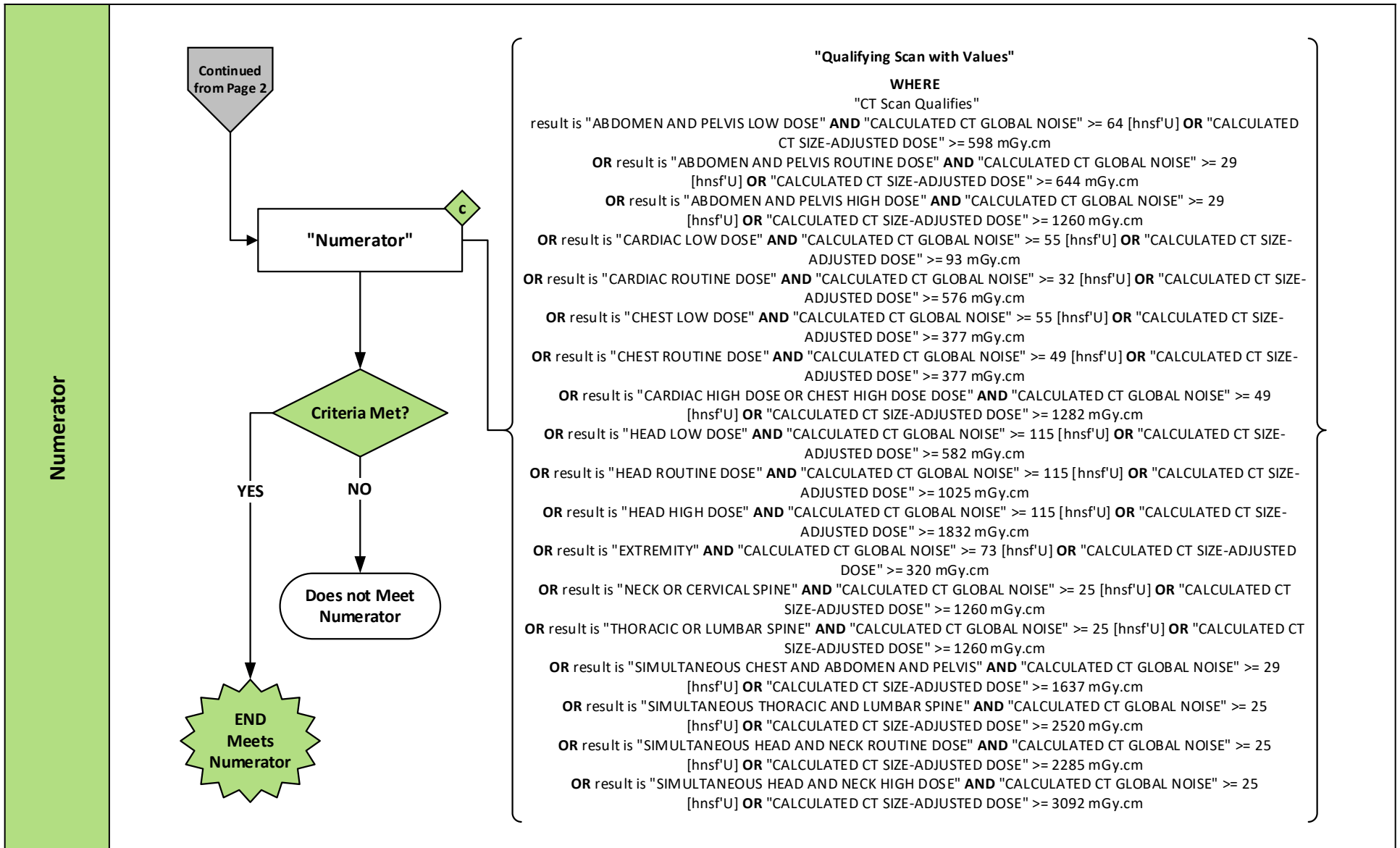
## Measure Flow Diagram



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## Measure Flow Diagram



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### Measure Flow Diagram

#### Sample Calculation

$$\text{Performance Rate} = \frac{\text{Numerator (c = 2)}}{\text{Denominator (a = 10) – Denominator Exclusions (b = 1)}} = 22\%$$

## 2025 eQIM Flow – CMS1074v2: Excessive Radiation Dose or Inadequate Image Quality for Diagnostic Computed Tomography (CT) in Adults (Facility IQR) CBE# 3663e

*\*This flow diagram represents an overview of population criteria requirements. Please refer to the eQIM 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 provides a standardized method for monitoring the performance of diagnostic CT to discourage unnecessarily high radiation doses, a risk factor for cancer, while preserving image quality. This measure is expressed as a percentage of CT exams that are out-of-range based on having either excessive radiation dose or inadequate image quality relative to evidence-based thresholds based on the clinical indication for the exam. All diagnostic CT exams of specified anatomic sites performed in hospital inpatient care settings are eligible. This eQIM requires the use of additional software to access primary data elements stored within radiology electronic health records and translate them into data elements that can be ingested by this eQIM. Additional details are included in the Guidance field.
<b>Initial Population</b>	Start by identifying the initial population criteria as all CT scans in adults aged 18 years and older at the start of the measurement period that have a CT Dose and Image Quality Category and were performed during an inpatient hospitalization during the measurement period
<b>Denominator</b>	The denominator criteria identify a subset of the initial population by including CT scans with a CT Dose and Image Quality Category, a Calculated Global Noise value, and a Calculated CT Size-Adjusted Dose value
<b>Denominator Exclusions</b>	The denominator exclusions criteria identify a subset of the denominator population by excluding CT Scans that have a CT Dose and Image Quality Category of full body
<b>Numerator</b>	The numerator criteria identify a subset of the denominator population by including CT Scans that have a Calculated CT Size-Adjusted Dose greater than or equal to a threshold specific to the CT Dose and Image Quality Category, or Calculated CT Global Noise value greater than or equal to a threshold specific to the CT Dose and Image Quality Category