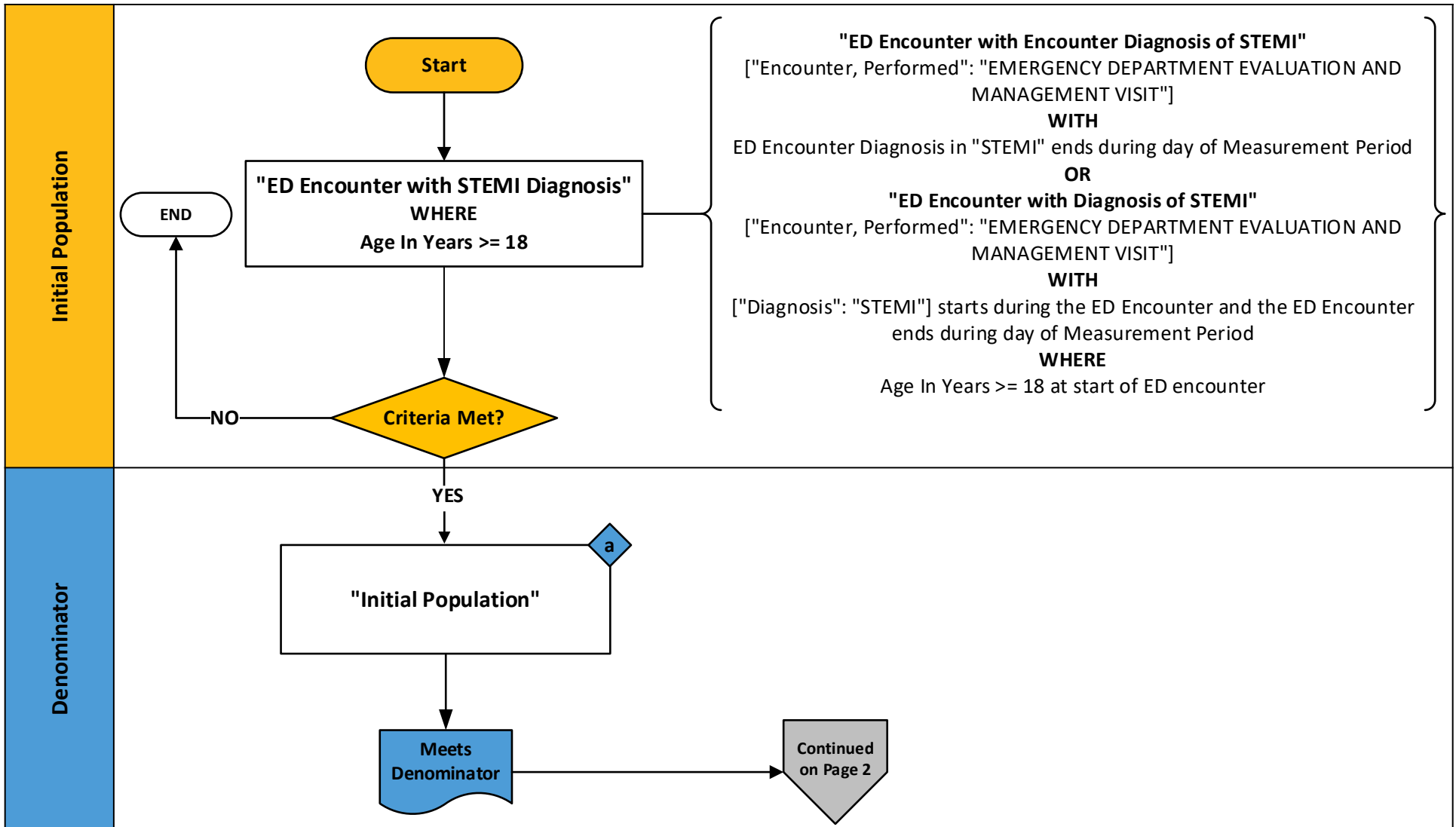


2024 eCQM Flow – CMS996v4: Appropriate Treatment for ST-Segment Elevation Myocardial Infarction (STEMI) Patients in the Emergency Department (ED)* NQF# 3613e*

*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.

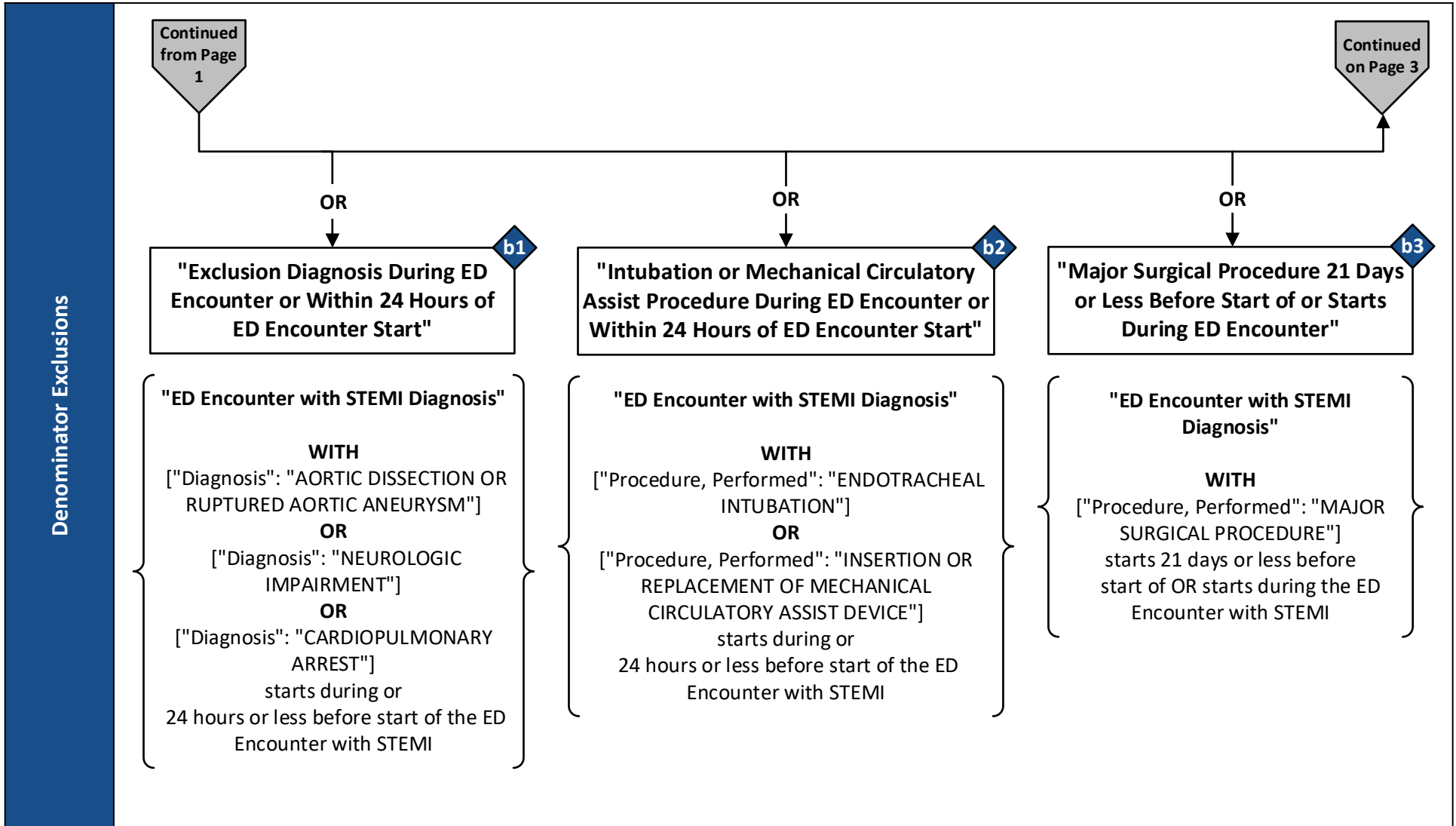
Measure Flow Diagram



2024 eCQM Flow – CMS996v4: **Appropriate Treatment for ST-Segment Elevation Myocardial Infarction (STEMI) Patients in the Emergency Department (ED)*** NQF# 3613e*

*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.

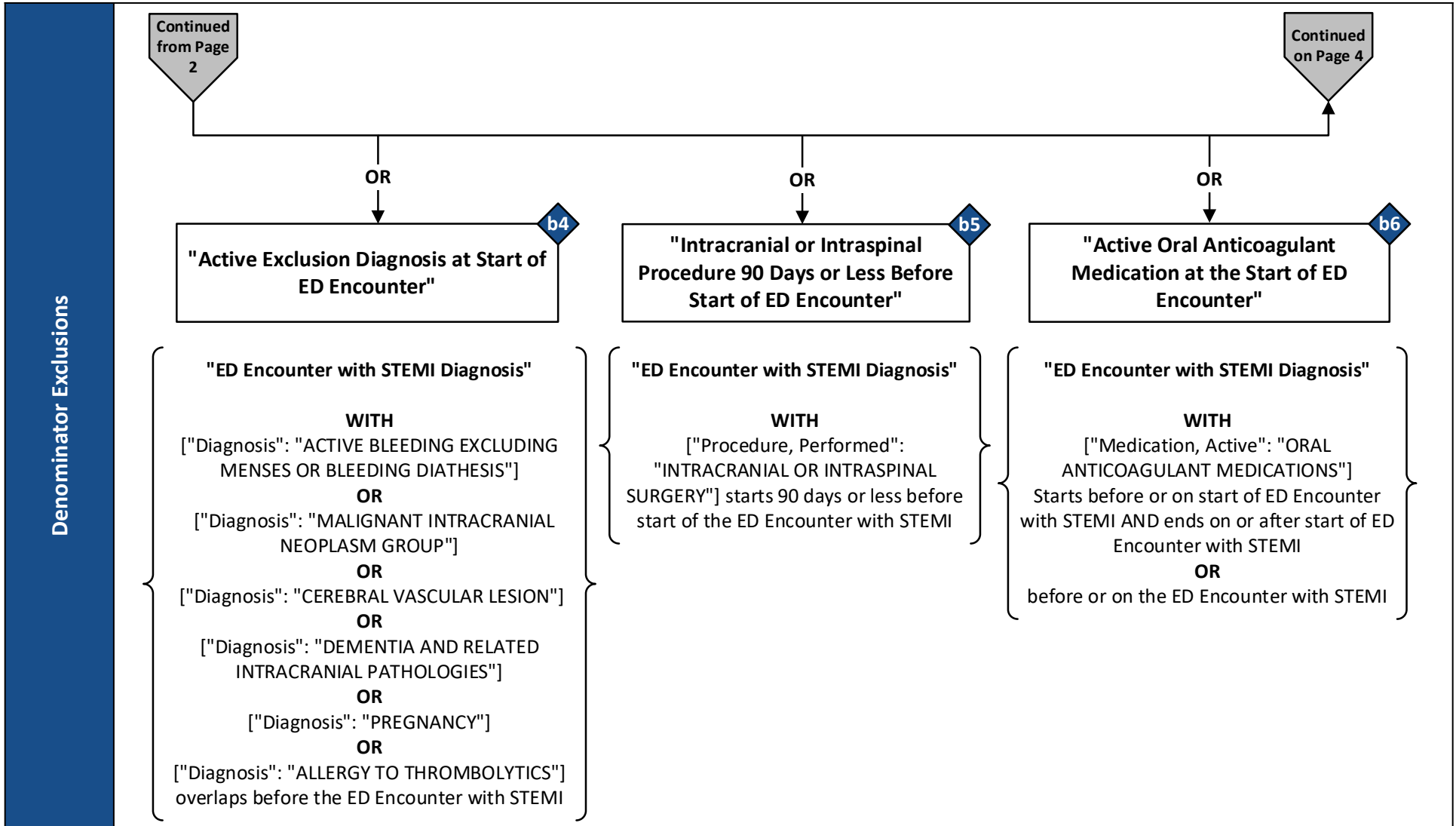
Measure Flow Diagram (Continued)



2024 eCQM Flow – CMS996v4: **Appropriate Treatment for ST-Segment Elevation Myocardial Infarction (STEMI) Patients in the Emergency Department (ED)*** NQF# 3613e*

*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.

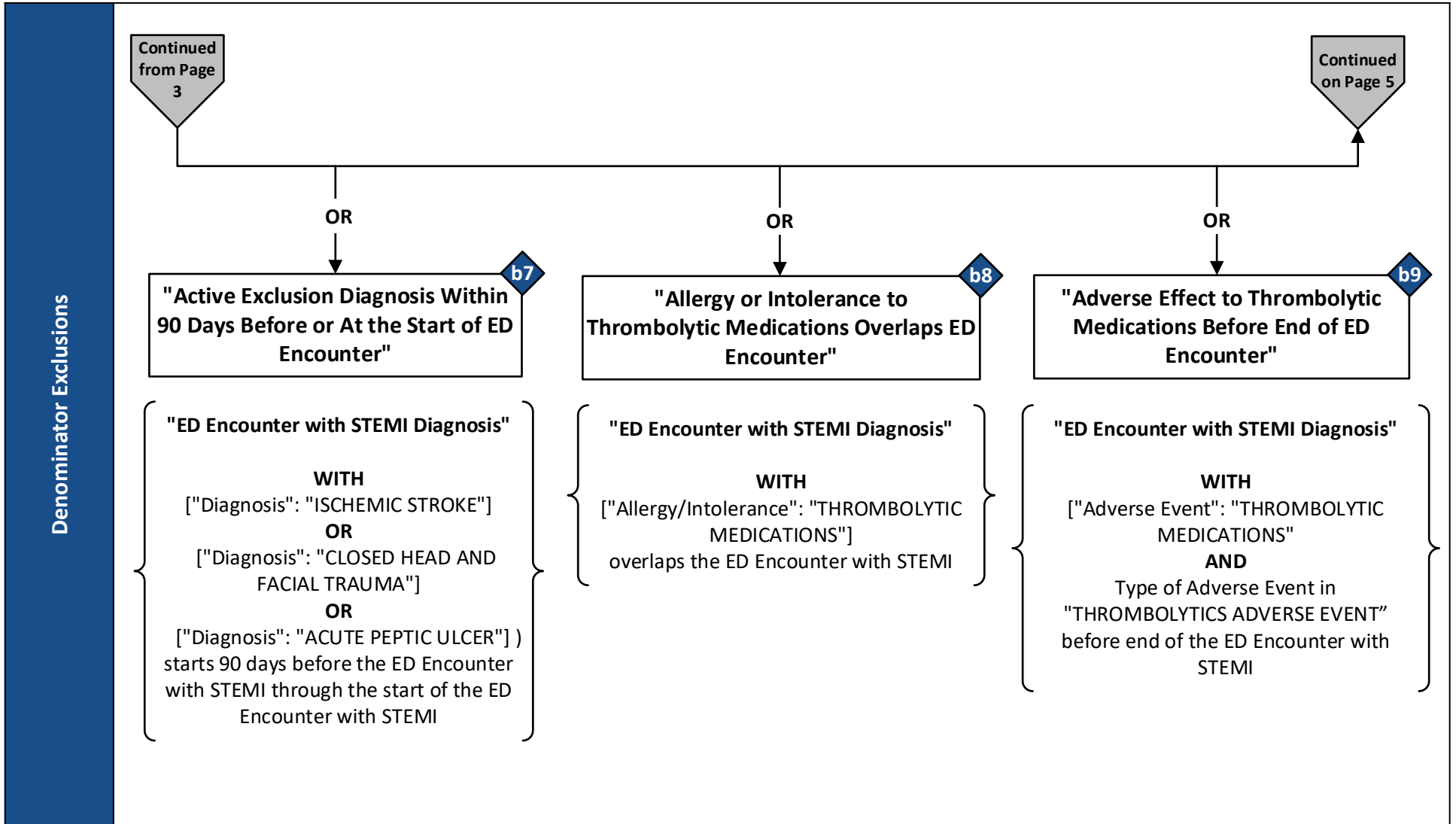
Measure Flow Diagram (Continued)



2024 eCQM Flow – CMS996v4: **Appropriate Treatment for ST-Segment Elevation Myocardial Infarction (STEMI) Patients in the Emergency Department (ED)*** NQF# 3613e*

*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.

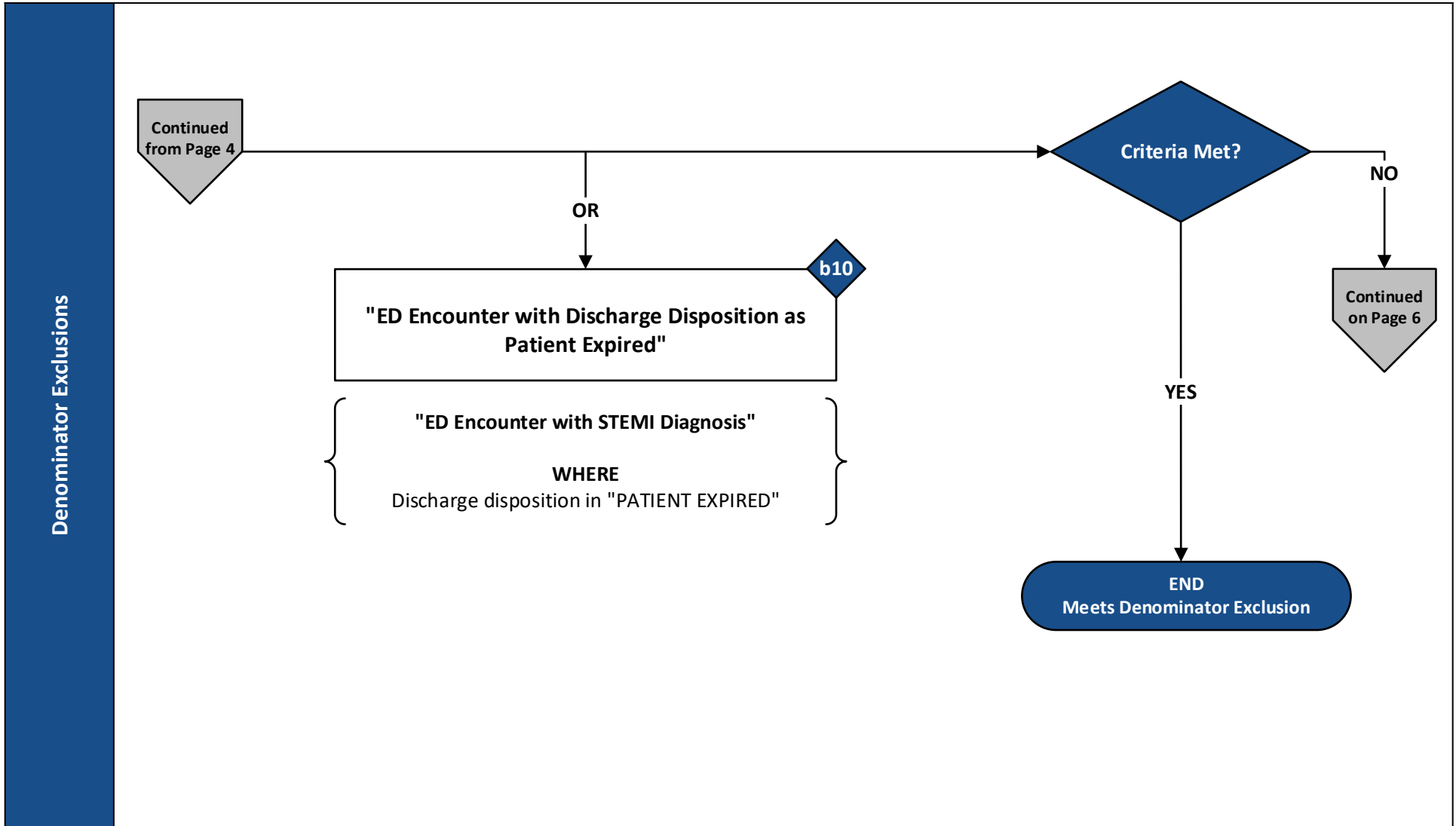
Measure Flow Diagram (Continued)



2024 eCQM Flow – CMS996v4: Appropriate Treatment for ST-Segment Elevation Myocardial Infarction (STEMI) Patients in the Emergency Department (ED)* NQF# 3613e*

*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.

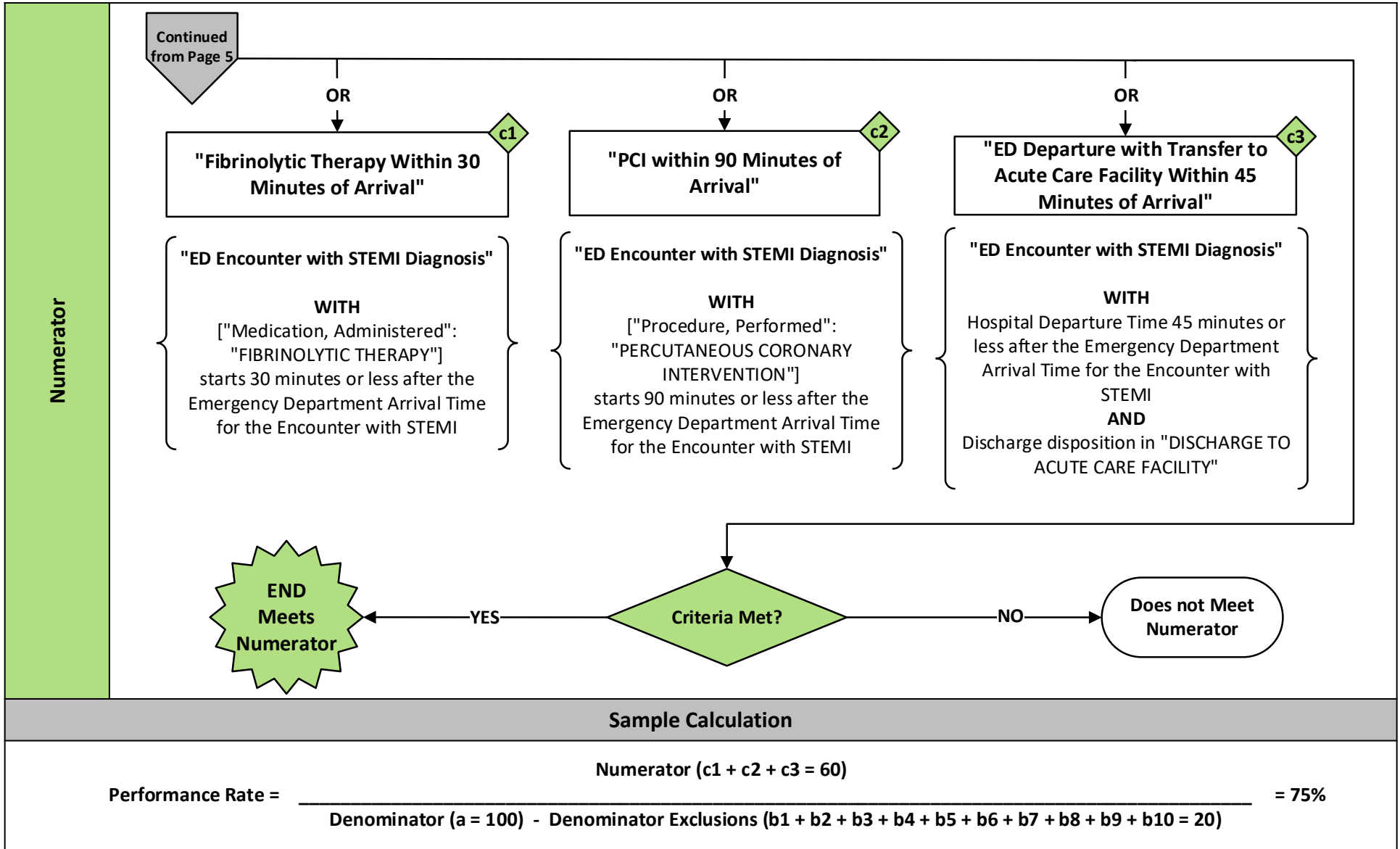
Measure Flow Diagram (Continued)



2024 eCQM Flow – CMS996v4: **Appropriate Treatment for ST-Segment Elevation Myocardial Infarction (STEMI) Patients in the Emergency Department (ED)*** NQF# 3613e*

*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)



2024 eCQM Flow – CMS996v4: Appropriate Treatment for ST-Segment Elevation Myocardial Infarction (STEMI) Patients in the Emergency Department (ED)* NQF# 3613e*

**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	Percentage of emergency department (ED) encounters for patients 18 years and older with a diagnosis of ST-segment elevation myocardial infarction (STEMI) that received appropriate treatment, defined as fibrinolytic therapy within 30 minutes of ED arrival, percutaneous coronary intervention (PCI) within 90 minutes of ED arrival, or transfer within 45 minutes of ED arrival
Initial Population	All emergency department encounters for patients 18 years and older at the start of the encounter with a diagnosis of ST-segment elevation myocardial infarction (STEMI) during an Emergency Department encounter that ends during the measurement period
Denominator	Equals Initial Population

2024 eCQM Flow – CMS996v4: Appropriate Treatment for ST-Segment Elevation Myocardial Infarction (STEMI) Patients in the Emergency Department (ED)* NQF# 3613e*

**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.

Denominator Exclusions

Patients with the following conditions are excluded from measure denominator:

During ED encounter:

- Allergic reaction to alteplase, streptokinase, anistreplase, tenecteplase, or reteplase

At the start of ED encounter:

- Bleeding or bleeding diathesis (excluding menses)
- Known malignant intracranial neoplasm (primary or metastatic)
- Known structural cerebral vascular lesion (e.g., arteriovenous malformation)
- Advanced dementia
- Pregnancy
- Active oral anticoagulant therapy

Within 24 hours before start of ED encounter or during ED encounter:

- Aortic dissection or ruptured aortic aneurysm
- Severe neurologic impairment
- Mechanical circulatory assist device placement, including: aortic balloon pump, biventricular assist device, intra-aortic balloon, intra-aortic balloon counterpulsation, intra-aortic counterpulsation balloon pump, left ventricular device, percutaneous ventricular assist device, or ventricular assist device
- Intubation, including endotracheal intubation, mechanical ventilation, nasotracheal intubation, or orotracheal intubation
- Cardiopulmonary arrest, including: cardiac arrest, CPR, defibrillation, respiratory arrest, or ventricular fibrillation (V-fib), ventricular tachycardia (VT), or pulseless electrical activity (PEA); or, traumatic or prolonged (>10 minutes) CPR

Within 21 days before start of or starts during ED encounter:

- Major surgery

Within 90 days before start of or at start of ED encounter:

- Ischemic stroke
- Significant facial and/or closed head trauma
- Peptic ulcer

Within 90 days before start of ED encounter:

- Intracranial or intraspinal surgery

Expired in the ED

2024 eCQM Flow – CMS996v4: Appropriate Treatment for ST-Segment Elevation Myocardial Infarction (STEMI) Patients in the Emergency Department (ED)* NQF# 3613e*

**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	Emergency department encounters with a diagnosis of STEMI: - where time from ED arrival to fibrinolysis is 30 minutes or fewer; OR - where PCI is performed within 90 minutes of arrival for non-transfer patients; OR - where the patient is transferred within 45 minutes of ED arrival
Denominator Exceptions	None