

NQF-ENDORSED VOLUNTARY CONSENSUS STANDARDS FOR HOSPITAL CARE

**Measure Information Form
Collected For:
The Joint Commission Only
CMS Voluntary Only**

Measure Set: Acute Myocardial Infarction (AMI)

Set Measure ID#: AMI-2

Performance Measure Name: Aspirin Prescribed at Discharge

Description: Acute myocardial infarction (AMI) patients who are prescribed aspirin at hospital discharge

Rationale: Aspirin therapy in patients who have suffered an acute myocardial infarction reduces the risk of adverse events and mortality. Studies have demonstrated that aspirin can reduce this risk by 20% (Antiplatelet Trialists' Collaboration, 1994). National guidelines strongly recommend long-term aspirin for the secondary prevention of subsequent cardiovascular events in eligible older patients discharged after AMI (O'Gara, 2013; Jneid, 2012; and Smith, 2011).

Type of Measure: Process

Improvement Noted As: An increase in the rate

Numerator Statement: AMI patients who are prescribed aspirin at hospital discharge

Included Populations: Not Applicable

Excluded Populations: None

Data Elements:
Aspirin Prescribed at Discharge

Denominator Statement: AMI patients

Included Populations:
Discharges with an *ICD-9-CM Principal Diagnosis Code* for AMI as defined in Appendix A, Table 1.1

Excluded Populations:

- Patients less than 18 years of age
- Patients who have a Length of Stay greater than 120 days

- Patients with *Comfort Measures Only* documented
- Patients enrolled in clinical trials
- Patients discharged to another hospital
- Patients who left against medical advice
- Patients who expired
- Patients discharged to home for hospice care
- Patients discharged to a health care facility for hospice care
- Patients with a documented *Reason for No Aspirin at Discharge*

Data Elements:

- *Admission Date*
- *Birthdate*
- *Clinical Trial*
- *Comfort Measures Only*
- *Discharge Date*
- *Discharge Disposition*
- *ICD-9-CM Principal Diagnosis Code*
- *Reason for No Aspirin at Discharge*

Risk Adjustment: No

Data Collection Approach: Retrospective data sources for required data elements include administrative data and medical record documents. Some hospitals may prefer to gather data concurrently by identifying patients in the population of interest. This approach provides opportunities for improvement at the point of care/service. However, complete documentation includes the principal or other ICD-9-CM diagnosis and procedure codes, which require retrospective data entry.

Data Accuracy: Variation may exist in the assignment of ICD-9-CM codes; therefore, coding practices may require evaluation to ensure consistency.

Measure Analysis Suggestions: None

Sampling: Yes, please refer to the measure set specific sampling requirements and for additional information see the Population and Sampling Specifications section.

Data Reported As: Aggregate rate generated from count data reported as a proportion.

Selected References:

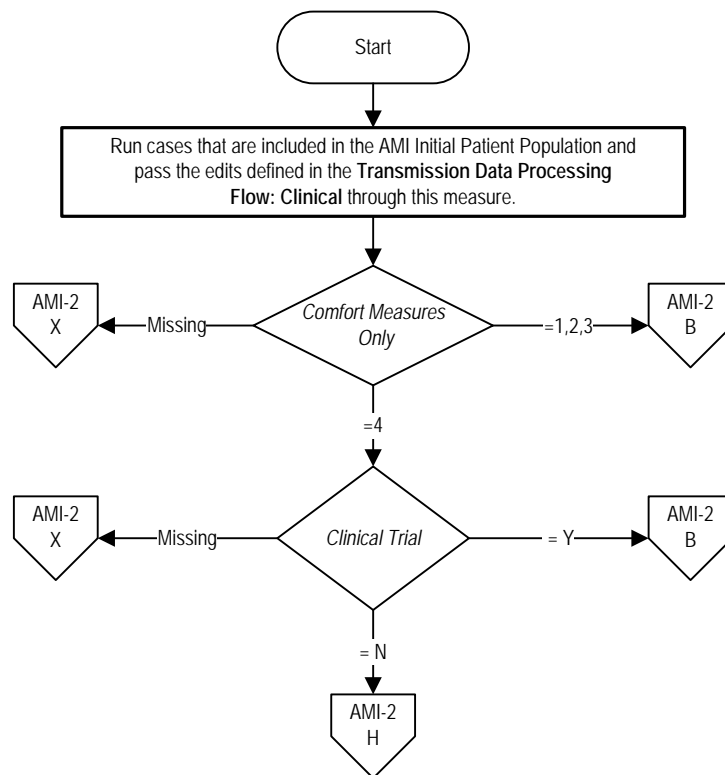
- Antiplatelet Trialists' Collaboration. Collaborative overview of randomized trials of antiplatelet therapy - I: prevention of death, myocardial infarction, and stroke by prolonged antiplatelet therapy in various categories of patients. *BMJ*. 1994;308:81-106.
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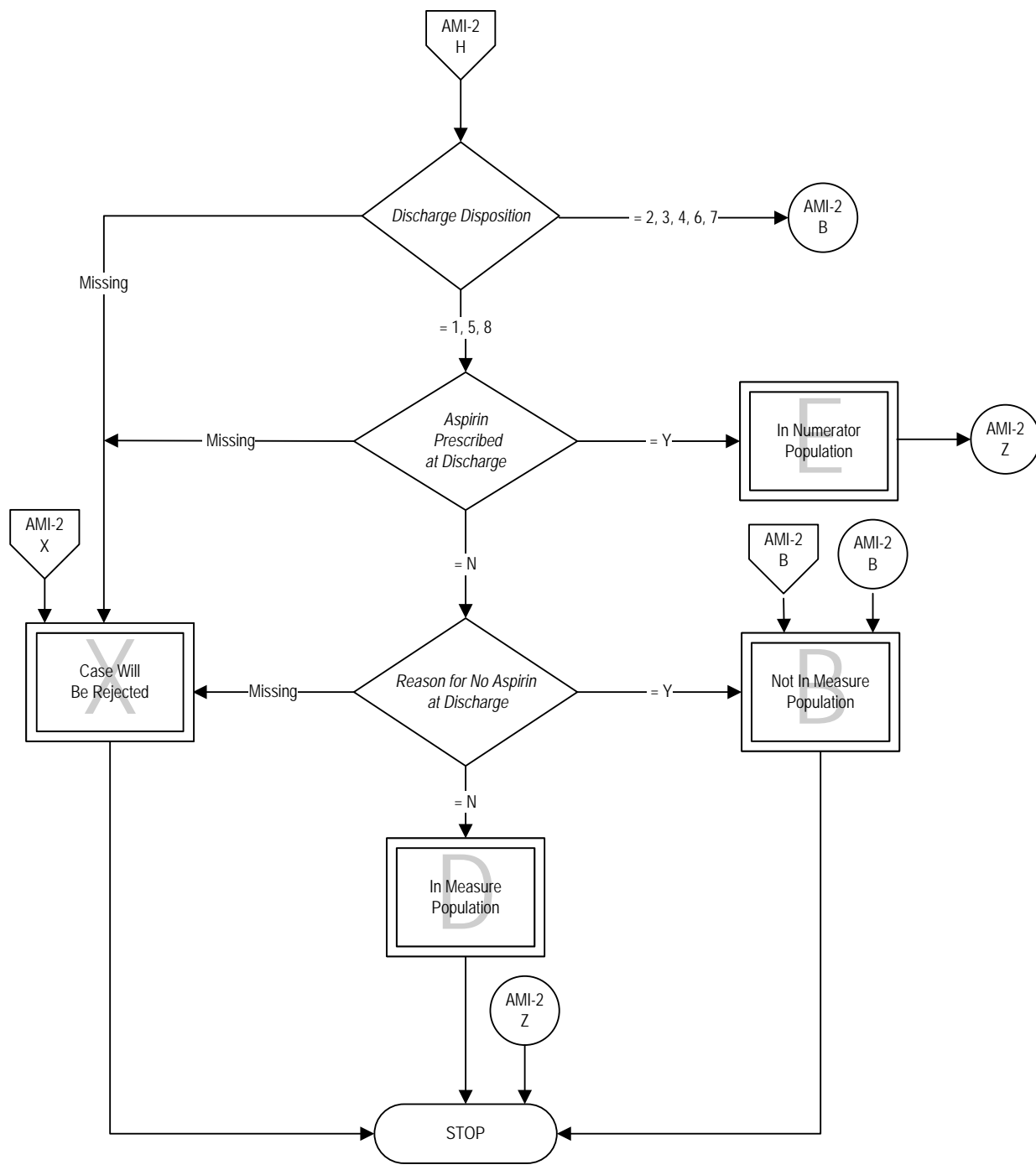
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 - O’Gara PT, Kushner FG, Ascheim DD, Casey DE, Jr, Chung MK, de Lemos JA, et al. 2013 ACCF/AHA guideline for the management of ST-elevation myocardial infarction: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. *J Am Coll Cardiol* 2013;61:485–510.
 - Smith SC Jr, Benjamin EJ, Bonow RO, Braun LT, Creager MA, et al. AHA/ACCF secondary prevention and risk reduction therapy for patients with coronary and other atherosclerotic vascular disease: 2011 update: a guideline from the American Heart Association and American College of Cardiology Foundation. *Circulation*. 2011;124:2458–2473.

AMI-2: Aspirin Prescribed at Discharge

Numerator: AMI patients who are prescribed aspirin at hospital discharge.

Denominator: AMI patients.





Acute Myocardial Infarction (AMI)-2: Aspirin Prescribed at Discharge

Numerator: Acute Myocardial Infarction (AMI) patients who are prescribed aspirin at hospital discharge.

Denominator: AMI patients.

1. Start processing. Run cases that are included in the AMI Initial Patient Population and pass the edits defined in the Transmission Data Processing Flow: Clinical through this measure.
2. Check Comfort Measures Only
 - a. If Comfort Measures Only is missing, the case will proceed to a Measure Category Assignment of X and will be rejected. Stop processing.
 - b. If Comfort Measures Only equals 1, 2 or 3, the case will proceed to a Measure Category Assignment of B and will not be in the measure population. Stop processing.
 - c. If Comfort Measures Only equals 4, continue processing and proceed to Clinical Trial.
3. Check Clinical Trial
 - a. If Clinical Trial is missing, the case will proceed to a Measure Category Assignment of X and will be rejected. Stop processing.
 - b. If Clinical Trial equals Yes, the case will proceed to a Measure Category Assignment of B and will not be in the measure population. Stop processing.
 - c. If Clinical Trial equals No, continue processing and proceed to Discharge Disposition.
4. Check Discharge Disposition
 - a. If Discharge Disposition is missing, the case will proceed to a Measure Category Assignment of X and will be rejected. Stop processing.
 - b. If Discharge Disposition is equal to 2, 3, 4, 6 or 7, the case will proceed to a Measure Category Assignment of B and will not be in the measure population. Stop processing.
 - c. If Discharge Disposition is equal to 1, 5 or 8, continue processing and proceed to Aspirin Prescribed at Discharge.
5. Check Aspirin Prescribed at Discharge
 - a. If Aspirin Prescribed at Discharge is missing, the case will proceed to a Measure Category Assignment of X and will be rejected. Stop processing.
 - b. If Aspirin Prescribed at Discharge equals Yes, the case will proceed to a Measure Category Assignment of E and will be in the Numerator Population. Stop processing.

- c. If Aspirin Prescribed at Discharge equals No, continue processing and proceed to Reason for No Aspirin at Discharge.
6. Check Reason for No Aspirin at Discharge
- a. If Reason for No Aspirin at Discharge is missing, the case will proceed to a Measure Category Assignment of X and will be rejected. Stop processing.
 - b. If Reason for No Aspirin at Discharge equals Yes, the case will proceed to a Measure Category Assignment of B and will not be in the Measure Population. Stop processing.
 - c. If Reason for No Aspirin at Discharge equals No, the case will proceed to a Measure Category Assignment of D and will be in the Measure Population. Stop Processing.