

****NQF-ENDORSED VOLUNTARY CONSENSUS STANDARDS FOR HOSPITAL CARE****

Measure Information Form

Measure Set: Acute Myocardial Infarction

Set Measure ID#: AMI-4

Performance Measure Name: Adult Smoking Cessation Advice/Counseling

Description: Acute myocardial infarction (AMI) patients with a history of smoking cigarettes, who are given smoking cessation advice or counseling during hospital stay. For the purposes of this measure, a smoker is defined as someone who has smoked cigarettes anytime during the year prior to hospital arrival.

Rationale: Smoking cessation reduces mortality and morbidity in all populations. Patients who receive even brief smoking-cessation advice from their physicians are more likely to quit. National guidelines strongly recommend smoking cessation counseling for smokers hospitalized with AMI (Braunwald, 2000 and Ryan, 1999). Despite this recommendation, smoking cessation counseling is rarely performed in older patients hospitalized with AMI (Jencks, 2000).

Type of Measure: Process

Improvement Noted As: An increase in the rate

Numerator Statement: AMI patients (cigarette smokers) who receive smoking cessation advice or counseling during the hospital stay

Included Populations: Not Applicable

Excluded Populations: None

Data Elements:

Adult Smoking Counseling

Denominator Statement: AMI patients with a history of smoking cigarettes anytime during the year prior to hospital arrival

Included Populations: Discharges with:

- An ICD-9-CM Principal Diagnosis Code for AMI as defined in Appendix A, Table 1.1 AND
- A history of smoking cigarettes anytime during the year prior to hospital arrival

Excluded Populations:

- Patients less than 18 years of age
- Patients transferred to another acute care hospital or federal hospital
- Patients who expired
- Patients who left against medical advice
- Patients discharged to hospice

Data Elements:

- *Admission Date*
- *Adult Smoking History*
- *Birthdate*
- *Discharge Status*
- *ICD-9-CM Principal Diagnosis Code*

Risk Adjustment: No

Data Collection Approach: Retrospective data sources include administrative data and medical records

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, for additional information see the Sampling section

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

Selected References:

- Braunwald E, Antman EM, Beasley JW, Califf RM, Cheitlin MD, Hochman JS, Jones RH, Kereiakes D, Kupersmith J, Levin TN, Pepine CJ, Schaeffer JW, Smith EE III, Steward DE, Theroux P. ACC/AHA guidelines for the management of patients with unstable angina and non-ST-segment elevation myocardial infarction: a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines (Committee on the Management of Patients with Unstable Angina). *J Am Coll Cardiol* 2000;36:970-1062. Available at <http://www.acc.org> and <http://www.americanheart.org>.
- Fiore MC, Bailey WC, Cohen SJ, et al. *Treating Tobacco Use and Dependence*. Clinical Practice Guideline. Rockville, MD: U.S. Department of Health and Human Services. Public Health Service. June 2000.
- Jencks SJ, Cuerdon T, Burwen DR, Fleming B, Houck PM, Kussmaul AE, Nilasena DS, Ordin DL, Arday DR. Quality of Medical Care Delivered to Medicare Beneficiaries: A Profile at State and National Levels. *JAMA*. 2000;284:1670-1676.
- Ryan TJ, Antman EM, Brooks NH, Califf RM, Hillis LD, Hiratzka LF, Rapaport E, Riegel B, Russell RO, Smith EE III, Weaver WD. 1999 update: ACC/AHA guidelines for the

management of patients with acute myocardial infarction: a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines (Committee on Management of Acute Myocardial Infarction). *J Am Coll Cardiol* 1999;34:890-911. Available at <http://www.acc.org> and <http://www.americanheart.org>.

- Ryan, TJ, Anderson, JL, Antman, EM, Braniff, BA, Brooks NH, Califf, RM, Hillis LD, Hiratzka L F, Rapaport E, Riegel BJ, Russell RO, Smith EE III, Weaver WD. ACC/AHA guidelines for the management of patients with acute myocardial infarction: a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines (Committee on Management of Acute Myocardial Infarction). *J Am Coll Cardiol* 1996;28:1328-1428. Available at <http://www.acc.org> and <http://www.americanheart.org>.
- Smith SC Jr, Blair SN, Bonow RO, Brass LM, Cerqueira MD, Dracup K, Fuster V, Gotto A, Grundy SM, Miller NH, Jacobs A, Jones D, Krauss RM, Mosca L, Ockene I, Pasternak RC, Pearson T, Pfeffer MA, Starke RD, Taubert KA. AHA/ACC guidelines for preventing heart attack and death in patients with atherosclerotic cardiovascular disease: 2001 update. A statement for healthcare professionals from the American Heart Association and the American College of Cardiology. *Circulation*. 2001;104:1577-79. Available at <http://www.acc.org> and <http://www.americanheart.org>.

AMI-4: Adult Smoking Cessation Advice/Counseling

Numerator: AMI patients (cigarette smokers) who receive smoking cessation advice or counseling during the hospital stay.

Denominator: AMI patients with a history of smoking cigarettes anytime during the year prior to hospital arrival.



