

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

Measure Information Form

Measure Set: Heart Failure (HF)

Set Measure ID#: HF-4

Performance Measure Name: Adult Smoking Cessation Advice/Counseling

Description: Heart failure patients with a history of smoking cigarettes, who are given smoking cessation advice or counseling during hospital stay. For 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 care providers are more likely to quit. National guidelines strongly recommend smoking cessation counseling for smokers with cardiovascular disease, including heart failure (Antman, 2004; Braunwald, 2002; Fiore, 2000; and Hunt, 2005). Despite this recommendation, smoking cessation counseling is rarely provided to eligible older patients hospitalized with heart failure (CMS National Heart Failure Project baseline data).

Type of Measure: Process

Improvement Noted As: An increase in the rate

Numerator Statement: Heart failure 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: Heart failure 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 heart failure as defined in Appendix A, Table 2.1
- 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
- Patients with comfort measures only documented by a physician, nurse practitioner, or physician assistant
- Patients who had a left ventricular assistive device (LVAD) or heart transplant procedure during hospital stay (ICD-9-CM procedure code for LVAD and heart transplant as defined in Appendix A, Table 2.2)

Data Elements:

- *Admission Date*
- *Adult Smoking History*
- *Birthdate*
- *Comfort Measures Only*
- *Discharge Status*
- *ICD-9-CM Other Procedure Codes*
- *ICD-9-CM Principal Diagnosis Code*
- *ICD-9-CM Principal Procedure Code*

Risk Adjustment: No

Data Collection Approach: Retrospective data sources for required elements 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:

- Antman EM, Anbe DT, Armstrong PW, Bates ER, Green LA, Hand M, Hochman JS, Krumholz HM, Kushner FG, Lamas GA, Mullany CJ, Ornato JP, Pearle DL, Sloan MA, Smith SC Jr. ACC/AHA guidelines for the management of patients with ST-elevation myocardial infarction: a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines (Committee to Revise the 1999 Guidelines for the Management of Patients With Acute Myocardial Infarction). 2004. Available at www.acc.org/clinical/guidelines/stemi/index.pdf
- Bonow RO, Bennett S, Casey DE, Ganiats TG, Hlatky MA, Konstam MA, Lambrew CT, Normand ST, Piña IL, Radford MJ, Smith AL, Stevenson L. ACC/AHA Clinical Performance Measures for Adults With Chronic Heart Failure: a report of the American College of Cardiology/American Heart Association Task Force on Performance Measures (Writing Committee to Develop Heart Failure Clinical Performance Measures). *J Am Coll Cardiol* 2005;46:1144–78. Available at <http://www.acc.org> and <http://www.americanheart.org>.
- Braunwald E, Antman EM, Beasley JW, Califf RM, Cheitlin MD, Hochman JS, Jones RH, Kereiakes D, Kupersmith J, Levin TN, Pepline CJ, Schaeffer JW, Smith EE III, Steward DE, Theroux P. ACC/AHA 2002 guideline update 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). 2002. Available at www.acc.org/clinical/guidelines/unstable/unstable.pdf
- 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.
- Hunt SA. ACC/AHA 2005 guideline update for the diagnosis and management of chronic heart failure in the adult: a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines (Writing Committee to Update the 2001 Guidelines for the Evaluation and Management of Heart Failure). *J Am Coll Cardiol* 2005; 46(6):e1-82.

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