

**\*\*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 (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 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)
- Patients less than 18 years of age
- Patients who have a Length of Stay >120 days
- Patients enrolled in clinical trials
- Patients discharged/transferred to another hospital for inpatient care
- Patients who left against medical advice or discontinued care
- Patients who expired
- Patients discharged/transferred to a federal health care facility
- Patients discharged/transferred to hospice
- Patients with *Comfort Measures Only* documented

**Data Elements:**

- *Admission Date*
- *Adult Smoking History*
- *Birthdate*
- *Clinical Trial*
- *Comfort Measures Only*
- *Discharge Date*
- *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 Population and Sampling Specifications Section.

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

**Selected References:**

- 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>.
- 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.
- Heart Failure Society of America. HFSA 2006 Comprehensive Heart Failure Practice Guideline. *J Card Fail*. 2006 Feb;12(1):e1-2.
- 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.

### HF-4: Adult Smoking Cessation Advice/Counseling

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

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



