PII-11: Pharmacotherapy Prescribing Practice for Tobacco Cessation: Analysis of Two Academic Medical Centers

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**Abstract:**

**Introduction:** Hospital quality core measures established by the Joint Commission (JC) and Centers for Medicare and Medicaid (CMS) in 2002 now include tobacco cessation standards. The standard addresses the identification of tobacco use current and/or past and providing tobacco cessation counseling for patients admitted to the hospital with myocardial infarction (MI), heart failure (HF), and community acquired pneumonia (PNA). The purpose of this analysis was to determine the impact of a nurse driven protocol for tobacco cessation/nicotine withdrawal standing provider orders.

**Method(s):** Secondary analyses were conducted on 2008 data from 28,322 charts from two academic medical centers with 1,496 HF patients, 373 MI patients and 1,166 PNA patients. Inclusion criteria consisted of in-patient admission, current or past use of tobacco, age > 16 years, both genders, all ethnic groups, medical diagnosis of HF, MI, and PNA. Descriptive statistics, Chi Square and Pearson correlations were calculated.

**Results:** Positive tobacco use was identified in 2,960 charts. Both academic medical centers reported the largest volume of tobacco cessation medication orders were generated from general surgery, medicine, and psychiatry services. The most highly prescribed nicotine replacement therapy (NRT) medication for both settings was the 21 mg NRT Patch and the most prescribed non-NRT medication was Bupropion 150mg. Scores significantly improved across time from pre-protocol to post-protocol for pharmacotherapy orders generated (p<.001).

**Discussion & Conclusions:** Analysis from both academic medical centers revealed encouraging findings, such as prescribing for all tobacco dependent not just HF, MI, or PNA but additional opportunities exist to effectively prescribe tobacco cessation/nicotine withdrawal medication for in-patients.

**Abstract History:**
This abstract has not been presented or accepted for presentation in whole or in part at the SNRS or other scientific meeting.

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