



PUBLICATION FACTS

JOURNAL

AMERICAN JOURNAL OF
MEDICAL QUALITY

PUBLICATION DATE

2005

VOLUME/ISSUE

20 (3)

PAGES

158-163

AUTHORS

Coffin, CS
Saunders, Chad
Thomas, CM
Loewen, AHS
Ghali, WA
Campbell, NRC

VALIDITY OF ICD-9-CM ADMINISTRATIVE DATA FOR DETERMINING ELIGIBILITY FOR PNEUMOCOCCAL VACCINATION TRIGGERS

ABSTRACT

The purpose of this study was to evaluate the efficacy of medical record administrative data as coded by the International Classification of Diseases, Ninth Revision, for triggering pneumococcal vaccination reminders of patients following discharge from a tertiary care adult teaching hospital. A retrospective computerized search was conducted using administrative discharge data to detect patients admitted to the medical teaching unit who met clinical criteria for pneumococcal vaccination according to Canadian immunization guidelines. For identification of persons eligible for vaccination, administrative discharge data showed a sensitivity of 83% (confidence interval [CI], 0.73-0.92) and a specificity of 78% (CI, 0.64-0.91), with a positive predictive value of 87% (CI, 0.83-0.90) and a negative predictive value of 72% (CI, 0.58-0.86). The reasonably high specificity and sensitivity of diagnostic codes in administrative data could be used to trigger appropriate pneumococcal vaccination among eligible patients after hospital discharge.

Web Of Science
Times Cited

3

Journal Citation
Indicator

0.47