

Abstract Submission No.: A-1246**Influenza Vaccination Status and Factors Influencing Vaccination in Korean Chronic Kidney Disease Patients: A National Cohort Study**

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Objectives : Seasonal influenza is a major health issue worldwide, and it is particularly associated with higher morbidity and mortality in chronic kidney disease (CKD) patients with compromised immunity. Therefore, all CKD patients are recommended to receive annual influenza vaccinations, yet studies on the actual status of vaccine uptake in South Korea are rare. Accordingly, this study analyzed the status of influenza vaccinations and the factors associated with non-vaccination among Korean CKD patients.

Methods : A retrospective cohort study was conducted utilizing data from the Korea National Health and Nutritional Survey, spanning 2007 to 2019, which encompassed 105,732 participants. Within this cohort, 3,278 individuals identified with CKD were included. To discern the patterns of influenza vaccination on an annual basis and investigate the determinants for non-vaccination among CKD patients, logistic regression analyses were employed at both univariate and multivariate levels.

Results : Throughout the study period, patients with CKD experienced a consistent rise in influenza vaccination rates, which were higher than those recorded in patients without CKD. Analysis revealed that in CKD patients, younger age groups (<50 years: adjusted hazard ratio [aHR] 16.85 [95% CI: 9.35-30.34]; 50-65 years: aHR 9.03 [95% CI: 6.46-12.62]), being male (aHR 1.72 [95% CI: 1.08-2.74]), possessing higher educational levels (aHR 1.78 [95% CI: 1.10-2.87]), and having a history of stroke (aHR 2.62 [95% CI: 1.30-5.29]) were significant factors associated with lower vaccination rates. Additionally, higher stages of CKD were associated with increased vaccination rates.

Conclusions : In the cohort of patients with CKD, factors such as younger age, male gender, higher education levels, and a history of stroke were associated with a lower likelihood of receiving influenza vaccinations. Considering the proven benefits of influenza vaccination for individuals with CKD, it is imperative to develop and implement strategies aimed at enhancing vaccination uptake in this vulnerable group.