

# Association between COPD and chronic rhinosinusitis

A nationwide cohort study

## Study population



**COPD group**  
**vs.**  
**Control group**



**Korean National Health  
Insurance data (2002-2019)**

## Study design

### COPD definition

Diagnosed on  $\geq 2$  occasions and prescribed COPD-related medicines on  $\geq 2$  occasions; n = 615,706

### Outcomes

**CRS**  
**CRSwNP**  
**CRSsNP**

Adjusted for demographic, lifestyle, metabolic, and comorbidity factors

## Main findings

**Higher risk in COPD**



**CRS HR 1.90 (95% CI, 1.85-1.96)**

**CRSwNP HR 1.74 (95% CI, 1.66-1.82)**

**CRSsNP HR 1.91 (95% CI, 1.84-1.98)**

**COPD was associated with an increased risk of CRS, including both CRSwNP and CRSsNP.**