

**Supplementary Table 2. Covariates included in the multivariate analyses**

Covariates	Definition / Criteria
Age	Continuous variable (in years) derived from patient demographic data.
Gender	Categorized as male or female.
Insurance premium grade	Categorized as low, middle, or high based on national health insurance premium tiers.
Charlson comorbidity index	Calculated using ICD-10 diagnostic codes, based on the method described by Sundararajan et al.
Diabetes	$\geq 2$ claims with a primary or secondary diagnosis within 1 year prior to the index date.
Hypertension	$\geq 2$ claims with a primary or secondary diagnosis within 1 year prior to the index date.
Hyperlipidemia	$\geq 2$ claims with a primary or secondary diagnosis within 1 year prior to the index date.
Chronic obstructive pulmonary disease	$\geq 2$ claims with a primary or secondary diagnosis within 1 year prior to the index date.
History of COVID-19 infection	Presence of ICD-10 code U07.1 as a primary or secondary diagnosis prior to the index date.