

SYNOPSIS

Method

Study Design	Retrospective Cohort Study
Study Population	Patients with a confirmed diagnosis of COVID-19, categorized by severity (mild, moderate, severe).
Study Period	From the onset of symptoms to the date of hospital discharge or death.
Study Location	Multiple tertiary care hospitals in a large metropolitan area.
Study Objectives	To identify risk factors associated with severe COVID-19 outcomes (ICU admission, mechanical ventilation, mortality) and to evaluate the effectiveness of various clinical interventions.
Study Variables	Independent Variables: Age, sex, comorbidities (hypertension, diabetes, chronic kidney disease, immunosuppression), smoking status, and socioeconomic status. Dependent Variables: Time to ICU admission, time to mechanical ventilation, and in-hospital mortality.

Study Strengths	Large sample size, prospective data collection, and standardized definitions for outcomes.
Study Limitations	Retrospective design, potential for confounding, and incomplete data on certain variables.

