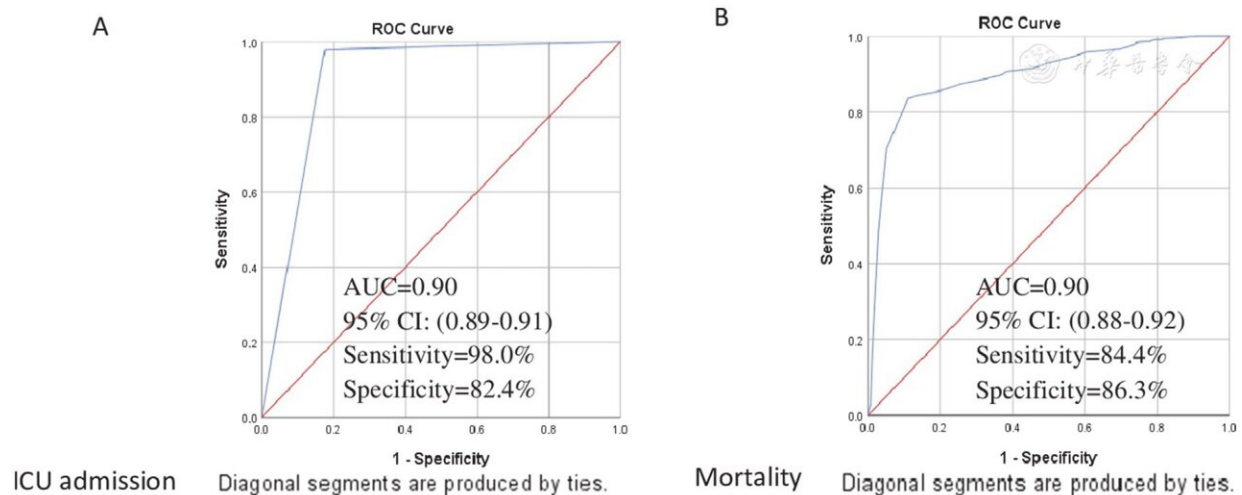


Characterization and determinant factors of critical illness and in-hospital mortality of COVID-19 patients in Kenya

March 8 2023



Receiver operating characteristic (ROC) curves for patient characteristics to predict ICU admission (A) and mortality (B) among COVID-19 patients. Credit: *Biosafety and Health* (2022). DOI: 10.1016/j.bsheal.2022.06.002

Globally, there is an anticipated epidemiological heterogeneity of COVID-19 patients. No epidemiological studies validated the epidemiological characterization of COVID-19 patients in African settings.

Previous studies identified some [risk factors](#) for severe COVID-19 and

mortality in developed countries. Previous [epidemiological studies](#) have also reported that hospitalized COVID-19 patients are linked with advanced age and underlying medical conditions.

A new study finds that COVID-19 individuals with comorbidities (such as CVDs, [chronic lung disease](#), cancer, and diabetes) are at a higher risk of severe disease progression. Additionally, oxygen saturation levels, advanced age, and gender predict ICU admission and mortality among COVID-19 patients.

This study, published in the journal *Biosafety and Health*, informs on predictors of ICU admission and hospital mortality and the survival rate of COVID-19 in the African settings, where the triple disease burden from emerging diseases, endemics, and non-communicable diseases is a challenge.

More information: Isinta M Elijah et al, Characterization and determinant factors of critical illness and in-hospital mortality of COVID-19 patients: A retrospective cohort of 1,792 patients in Kenya, *Biosafety and Health* (2022). [DOI: 10.1016/j.bsheal.2022.06.002](https://doi.org/10.1016/j.bsheal.2022.06.002)

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