

Publication**Association of hypertension, diabetes, and cardiovascular disease with COVID-19 in Africa: scoping review protocol****JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)****ID** 4683478**Author(s)** Nooh, F.; Utzinger, J.; Paris, D. H.; Probst-Hensch, N.; Chernet, A.**Author(s) at UniBasel** [Ali, Faisal Nooh](#) ; [Utzinger, Jürg](#) ; [Paris, Daniel Henry](#) ; [Probst-Hensch, Nicole](#) ; [Chernet, Afona](#) ;**Year** 2023**Title** Association of hypertension, diabetes, and cardiovascular disease with COVID-19 in Africa: scoping review protocol**Journal** Trop Med Infect Dis**Volume** 8**Pages / Article-Number** 293

Background: COVID-19 caused devastating effects on global healthcare systems. The elderly and people with chronic comorbidities were at a particularly high risk of mortality and morbidity. However, the evidence on the association of COVID-19 severity with noncommunicable diseases (NCDs) in the African population is scarce. Objective: The aim is to estimate COVID-19 severity among African patients with hypertension, diabetes, and cardiovascular diseases (CVDs) and its implications for case management. Methods: We will adhere to the extension for Scoping Reviews of PRISMA (PRISMA-ScR). The following electronic databases will be searched: PubMed, Scopus, Web of Science, Embase, CINAHL, and Joanna Briggs Institute. The search will be conducted after the publication of this protocol. Two reviewers will extract data from articles published after March 2020 without language restrictions. A descriptive analysis of the important findings and a narrative synthesis of the results will serve as the basis for interpretation. Expected results and conclusions: This scoping review is expected to determine the odds of patients with chronic comorbidities to progress to severe stages of COVID-19. The review will generate an evidence-based and set foundation for recommendations toward the establishment of surveillance systems and referral guidelines for the management of NCDs in the face of COVID-19 and future pandemics.

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