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Título	Epidemiologic Profile of Severe Acute Respiratory Infection in Brazil During the COVID-19 Pandemic: An Epidemiological Study		
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Resumo	Background: The COVID-19 is a significant public health issue, and monitoring confirmed cases and deaths is an essential epidemiologic tool. We evaluated the features in Brazilian hospitalized patients due to severe acute respiratory infection (SARI) during the COVID-19 pandemic in Brazil. We grouped the patients into the following categories: Influenza virus infection (G1), other respiratory viruses' infection (G2), other known etiologic agents (G3), SARS-CoV-2 infection (patients with COVID-19, G4), and undefined etiological agent (G5). Methods: We performed an epidemiological study using data from DataSUS (https://opendatasus.saude.gov.br/) from December 2019 to October 2021. The dataset included Brazilian hospitalized patients due to SARI. We considered the clinical evolution of the patients with SARI during the COVID-19 pandemic according to the SARI patient groups as the outcome. We performed the multivariate statistical analysis using logistic regression, and we adopted an Alpha error of 0.05.		
	Results: A total of 2,740,272 patients were hospitalized due to SARI in Brazil, being the São Paulo state responsible for most of the cases [802,367 (29.3%)]. Most of the patients were male (1,495,416; 54.6%), aged between 25 and 60 years (1,269,398; 46.3%), and were White (1,105,123; 49.8%). A total of 1,577,279 (68.3%) patients recovered from SARI, whereas 701,607 (30.4%) died due to SARI, and 30,551 (1.3%) did not have their deaths related to SARI. A major part of the patients was grouped in G4 (1,817,098; 66.3%) and G5 (896,207; 32.7%). The other groups account for al% of our		



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							sample [G1: 3,474 (0.1%), G2: 16,627 (0.6%), to SARI were more frequent in G4 (574,887; 3 SARI were more frequent among the patient and G5 (25,829; 4.1%). In the multivariate an patients in the G5 when compared with G4 Black race, low educational level, rural place treat the clinical signs. Furthermore, several f such as older age, race (Black, Indigenous, and level, residence in a flu outbreak region, ne mechanical ventilatory support.	and G3: 6,866 (0.3%)]. The deaths related 4.7%); however, the deaths not related to s categorized into the G3 (1,339; 21.3%) alysis, the main predictors to classify the or G1-G4 were female sex, younger age, of residence, and the use of antiviral to eatures predict the risk of death by SARI, multiracial background), low educational eed for intensive care unit, and need for
							Conclusions: The possible COVID-19 underregenhanced mortality rate, more evident in patients' features are unequal between the determine the risk of possible COVID-19 un with a higher risk of death had a different epi patients who recovered from SARI, like olde background races, low educational level, resintensive care unit and need for mechanical vertex.	borting (G5) might be associated with an distinct social groups. In addition, the e patients' groups and can be used to derreporting in our population. Patients demiological profile when compared with r age, Black, Indigenous, and multiracial dence in a flu outbreak region, need for entilatory support.
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