




**Supplementary information to:**

**Letter to the editor:**

**THE VACCINATION STATUS OF COVID-19 HOSPITALIZED PATIENTS DURING THE OMICRON BQ.1.1 WAVE IN NORTHEAST BRAZIL SUGGESTS THE NEED FOR A FIFTH BOOSTER DOSE IN THE ELDERLY, WITH A TIME SINCE THE LAST DOSE OF MORE THAN 6 MONTHS**

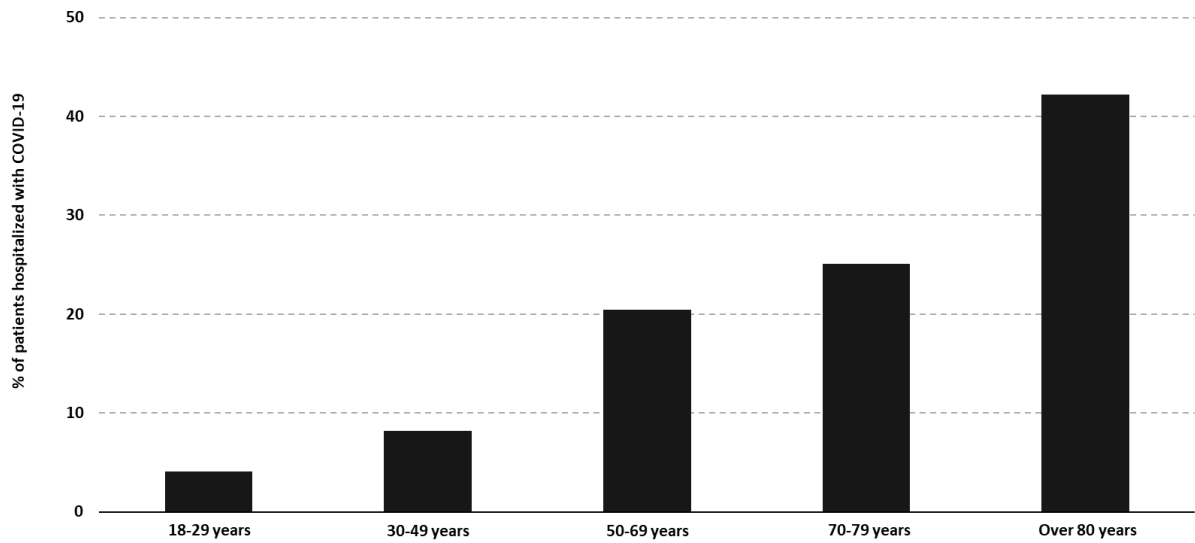
Taise Ferreira Cavalcante<sup>1,2,3</sup>, Waneska de Souza Barboza<sup>3</sup>,  
Paulo Ricardo Martins-Filho<sup>1,2</sup>

- <sup>1</sup> Investigative Pathology Laboratory, Federal University of Sergipe, Aracaju, Brazil  
<sup>2</sup> Graduate Program in Health Sciences, Federal University of Sergipe, Aracaju, Brazil  
<sup>3</sup> Aracaju City Hall, Municipal Health Department, Aracaju, Brazil

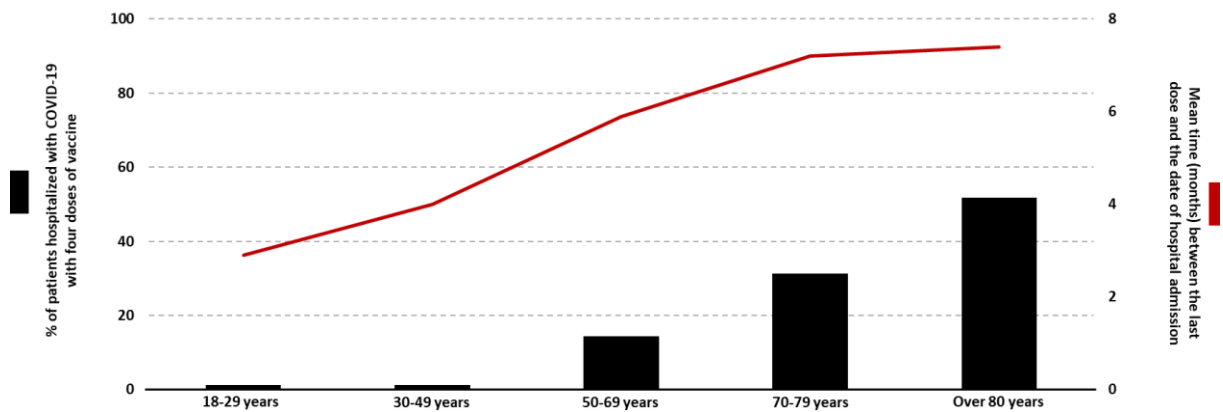
\* **Corresponding author:** Prof. Paulo Ricardo Martins-Filho. Universidade Federal de Sergipe, Hospital Universitário, Laboratório de Patologia Investigativa.  
Rua Cláudio Batista, s/n. Sanatório. Aracaju, Sergipe, Brasil. CEP: 49060-100.  
E-mail: [prmartinsfh@gmail.com](mailto:prmartinsfh@gmail.com)

<https://dx.doi.org/10.17179/excli2023-5807>

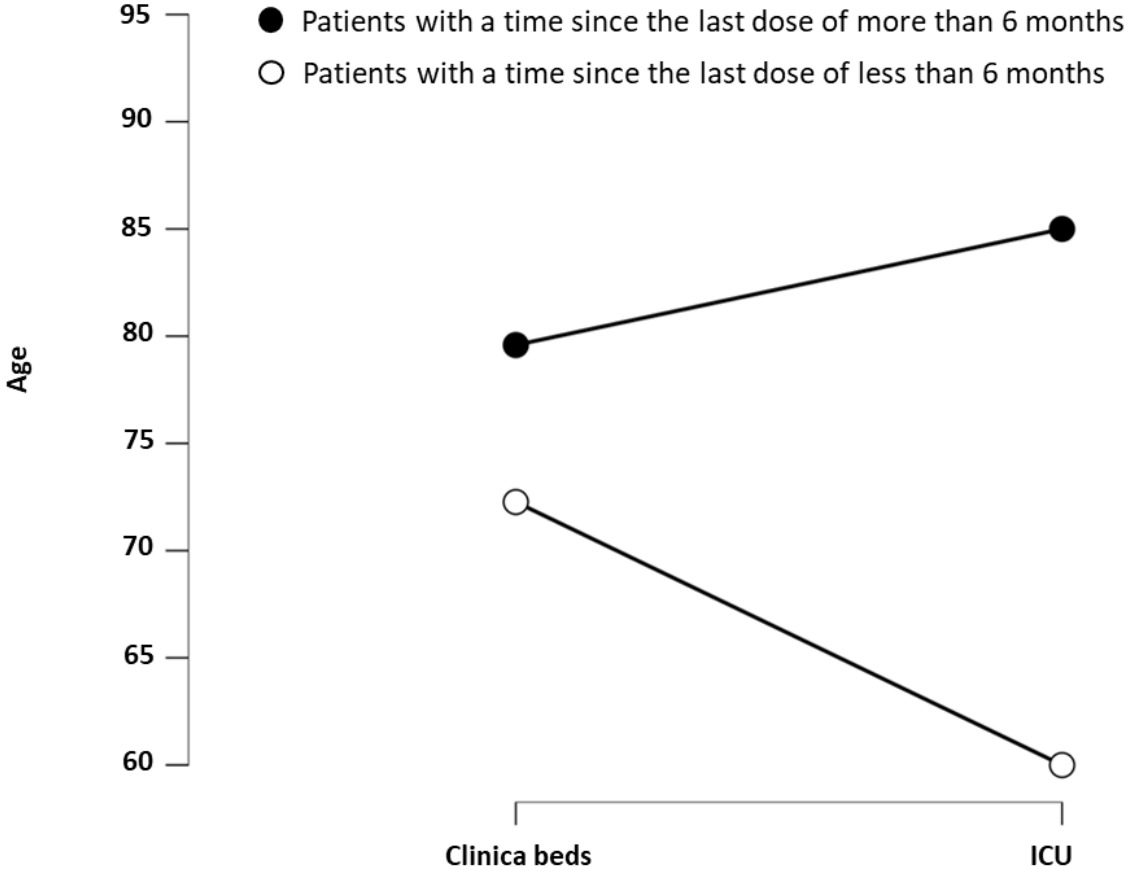
This is an Open Access article distributed under the terms of the Creative Commons Attribution License (<http://creativecommons.org/licenses/by/4.0/>).



**Supplementary Figure 1:** Percentage of COVID-19 hospitalized patients according to age



**Supplementary Figure 2:** Percentage of patients hospitalized with COVID-19 who received the fourth dose of the vaccine and the mean time between the last dose and the date of admission



**Supplementary Figure 3:** Interaction analysis between age, the time interval between the last vaccine dose and hospital admission, and bed type