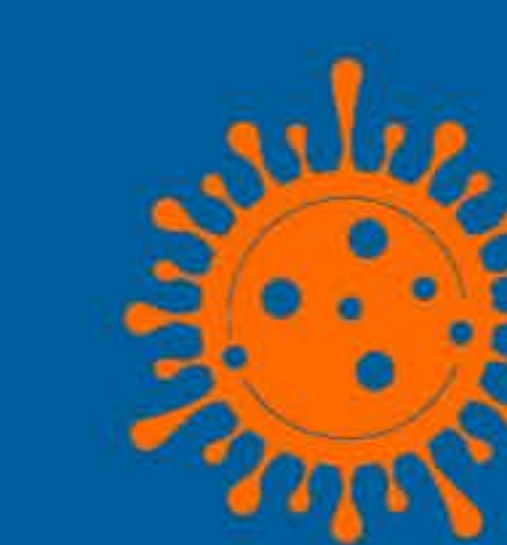


A Systematic Review of the Incidence and Outcomes of In-Hospital Cardiac Arrests in Patients With Coronavirus Disease 2019

Design
Systematic review
Jan. 2020 to Dec. 2020



Patients
8 studies
847 in-hospital cardiac arrest
In COVID-19 patients

Results

Cardiac Arrest Incidence

In Hospital
1.5% - 5.8%

In ICU
8.0% - 11.4%

↑ **Age**
Male

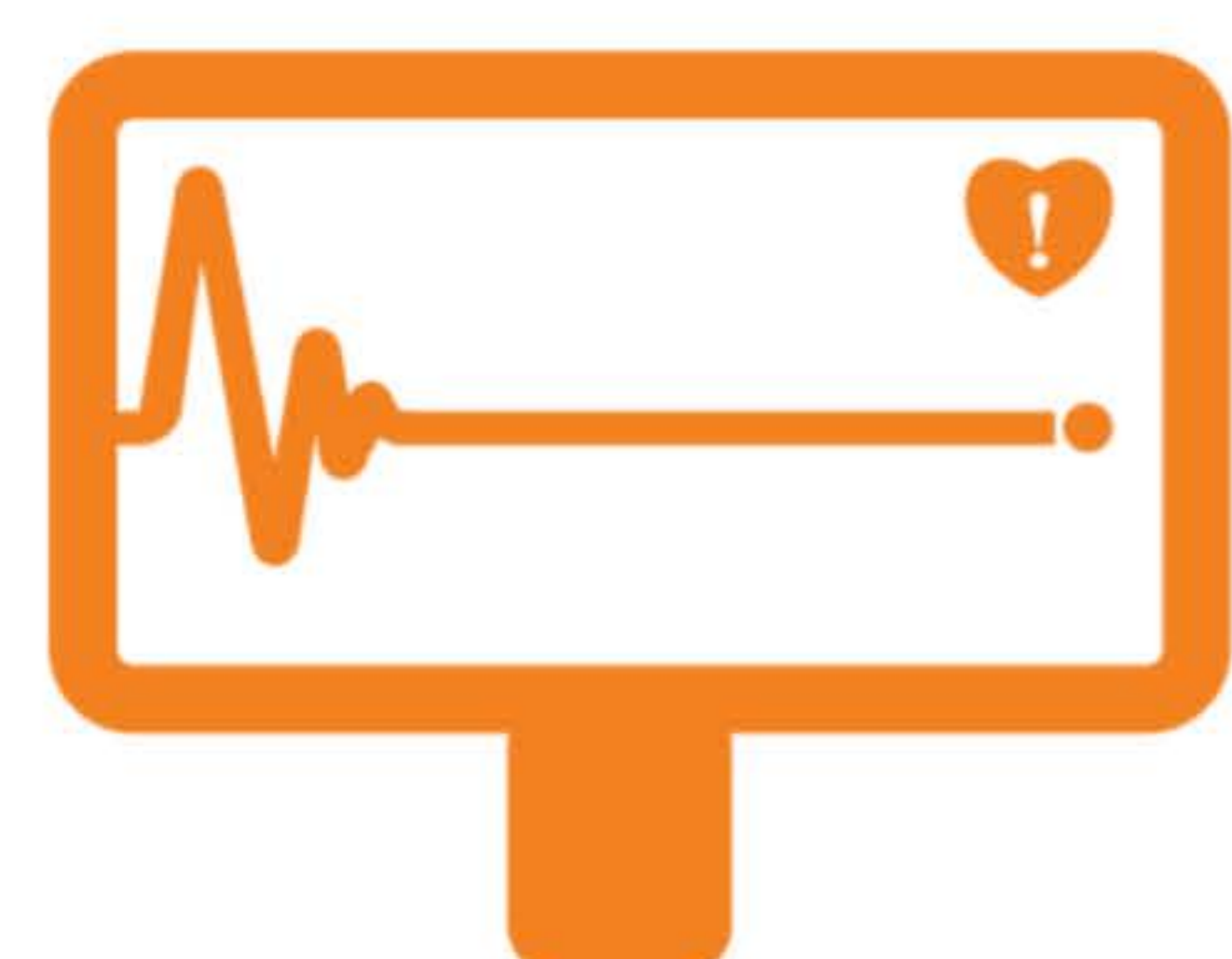


Initial Rhythm

Non-Shockable 83.9%

PEA 47.6%

Asystole 36.4%



ROSC
33.3%

In-Hospital Mortality
91.7%

Cardiac Arrest in ICU vs. Hospital

ICU

Hospital

36.6%

ROSC

18.7%

88.7%

In-Hospital Mortality

98.1%

Age > 60
93.1%

Age < 60
87.9%



Conclusion

Approximately, 1 in 20 patients hospitalized with coronavirus disease 2019 received resuscitation for an in-hospital cardiac arrest.



Hospital survival after in-hospital cardiac arrest within the ICU was higher than non-ICU locations and seems comparable with prepandemic survival for nonshockable rhythms

Results should be interpreted cautiously given the paucity of information surrounding treatment limitations and resource constraints