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%

**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
  - ROSC: 36.6%
  - In-Hospital Mortality: 88.7%
- Hospital
  - ROSC: 18.7%
  - In-Hospital Mortality: 98.1%

**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.

Data from Lim, et al: *Crit Care Med*, 2021