



Basics of Cardiopulmonary Resuscitation in Out-of-Hospital-Cardiac Arrests During COVID-19 with some Highlights of Interim Guidance from the American Heart Association (2021)

- Out-of-Hospital Cardiac Arrests have poor outcomes of survival and neurological recovery. Immediate high-quality CPR will enhance outcomes.
- COVID-19 vaccinated providers can reduce the risk of infection. All possible personal safety and protection precautions need to be taken.
- Chest compressions should not be delayed while waiting for Personal Protective Equipment (PPE). These initial responders need to be relieved soon by those donning PPE to continue CPR.
- Standard resuscitation algorithms are used with early defibrillation and administration of epinephrine.
- A HEPA filter should be attached to the ventilation device.
- In adults, chest compressions and defibrillation are prioritized when indicated. In pediatric population, HEPA-filtered ventilation with chest compressions is prioritized.
- Faster transport to a medical facility for further interventions including Targeted Temperature Management may improve outcomes.

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