

Cardiac Arrest (AED/CPR/HP CPR) – 10.050

CPR GUIDELINES

Maneuver	Adult Adolescent and older	Child 1 yr to adolescent	Infant Under 1 year of age
Airway	Head tilt-chin lift. Jaw thrust if suspected cervical trauma.		
Breathing: Without CPR	10 to 12 breaths/min (Approximate)	12 to 20 breaths/min (Approximate)	
Breathing: CPR with advanced airway	One breath every 6 – 8 seconds (8 to 10 breaths/min) asynchronous with chest compressions. About 1 sec/breath. Visible chest rise.		
Foreign Body – Conscious pt	<i>Abdominal thrusts (use chest thrusts in pregnant and obese patients or if abdominal thrusts are not effective)</i>	Back blows and chest thrusts	
Compression landmarks	Lower half of sternum between nipples		Just below nipple line (lower half of sternum)
Compression method	Heel of one hand, other hand on top	Heel of one hand, as for adults	2-3 fingers or 2 thumb- encircling hands
Compression depth	At least 2 inches	Approximately one-third anterior/posterior depth of chest. (Approx 2" in child and 1 ½" in infant)	
Compression rate	At least 110 per minute		
Compression- ventilation ratio with or without advanced airway	10:1 Continuous chest compressions	10:1 Continuous chest compressions	

AED GUIDELINES

AED Defibrillation	Use adult pads, do not use child pads	Use pediatric dose-attenuator system for children and infants if available.
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NEONATAL GUIDELINES

Assisted ventilation should be delivered at a rate of 40-60 breaths/minute to achieve or maintain a heart rate > 100 bpm.
The ratio of compressions to ventilations should be 3:1, with 90 compressions and 30 breaths to achieve approximately 120 events per minute.

***HP CPR ON NEXT PAGE**

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HP CPR

- Designated Compression Person will immediately begin continuous chest compressions for 2 minutes at a rate of 110/min.
- Allow full recoil, compress to a depth ≥ 2 inches.
- Count 10 compressions and repeat out loud.
- Switch compressors every 2 minutes.
- Designated ventilation person will ventilate person every 10 compressions or 11/min. DO NOT interrupt chest compressions.
- DO NOT interrupt chest compressions for airway/IO/IV placement or medications.
- Paramedics will pre-charge defibrillator and analyze/shock at the end of 2 minutes of CPR and attempt to keep pauses at 10 seconds or less.
- Continue cycles of 2 minutes of CPR and 10 seconds or less of analysis or treatment.
- Always clear patient before defibrillation.