

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

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 q 6 – 8 seconds (8 to 10 breaths/min) asynchronous with chest compressions. About 1 sec/breath. Visible chest rise.		
Foreign Body – Conscious pt	Abdominal thrusts ( <i>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 min		
Compression- ventilation ratio with or without advanced airway	10:1	10:1	

### 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/min 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 min.