

## Cardiopulmonary Resuscitation: Comparison of Age Groups

Maneuver	Adult Lay rescuer: ≥8 years HCP: Adolescent and older	Child Lay rescuers: 1 to 8 years HCP: 1 year to adolescent	Infant Under 1 year of age
<b>Airway</b>	Head tilt–chin lift (HCP: suspected trauma, use jaw thrust)		
<b>Breathing</b> Initial	2 breaths at 1 second/breath	2 effective breaths at 1 second/breath	
<b>HCP:</b> Rescue breathing without chest compressions	10 to 12 breaths/min (approximate)	12 to 20 breaths/min (approximate)	
<b>HCP:</b> Rescue breaths for CPR with advanced airway	8 to 10 breaths/min (approximately)		
Foreign-body airway obstruction	Abdominal thrusts		Back slaps and chest thrusts
<b>Circulation</b> HCP: Pulse check (≤10 sec)	Carotid		Brachial or femoral
Compression landmarks	Lower half of sternum, between nipples		Just below nipple line (lower half of sternum)
Compression method Push hard and fast Allow complete recoil	Heel of one hand, other hand on top	Heel of one hand or as for adults	2 or 3 fingers HCP (2 rescuers): 2 thumb–encircling hands
Compression depth	1½ to 2 inches	Approximately one third to one half the depth of the chest	
Compression rate	Approximately 100/min		
Compression-ventilation ratio	30:2 (one or two rescuers)	30:2 (single rescuer) HCP: 15:2 (2 rescuers)	
<b>Defibrillation</b> AED	Use adult pads Do not use child pads	Use AED after 5 cycles of CPR (out of hospital). Use pediatric system for child 1 to 8 years if available  <b>HCP: For sudden collapse (out of hospital) or in-hospital arrest use AED as soon as available.</b>	No recommendation for infants <1 year of age

**Note:** Maneuvers used by only Healthcare Providers are indicated by "HCP."

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