HIGH PERFORMANCE CPR (HPCPR)			
ADULT	PEDIATRIC (≤34 kg)		
BLS			
 Pulse Oximetry – O₂ administered per Airwar Management – Protocol #602 Position 1 (P1) – Initial Team Leader (At side of the patient) Initiate compressions at 110/min (10 120/min) Alternate with P2 at 200 compression Coordinate and verbalize compression rate with P2 Position 2 (P2) – (Opposite side of patient) Activate Metronome Apply and operate AED or ALS Moni with minimal interruption of compres- until P3 arrives At 200 compressions (or 2 min cycle AED) BLS AED – if analysis states 4' advised" provide 30 additio compressions prior to shock ALS monitor – pre-charge wi continuing compressions. Of fully charged stop compress to analyze – shock if indicate dump charge (pulse check w organized rhythm if indicate e Alternate with P1 at 200 compressions or the AED ar Provide for Passive Oxygenation Insufflation (POI)	 Pulse Oximetry - O₂ administered per Airway Management - Protocol #602 Same as Adult (except for neonate) Neonate (< 1 month) follow AHA guidelines CPR compression to ventilation ratio Newborn - CPR 3:1 1 day to 1 month - CPR 15:2 > 1 month - HPCPR 10:1 AED - pediatric patient > 1 year Use Broselow tape or equivalent if available 		

	ALS Standing Orders			
•	Position 3 (P3) ALS – At patient's head		Same as Adult	
	Assumes Team Leader			
	0	Directs CPR quality based on monitor		
		feedback (rate and depth)		
	0	Maintain two-hand mask seal on BVM		
	0	Apply capnography		
	0	Charge the defibrillator and analyze		
		for shockable rhythm every 200		
		compressions (continue		
		compressions while monitor charges)		
	0	Consider endotracheal intubation		
		only if airway not compliant or with		
		maintained ROSC		
•	Posito	n 4 (P4) ALS – position outside of the		
	<u>CPR Tr</u>	iangle (May assume Team Leader		
	<u>Role)</u>			
	0	Obtain report from P3		
	0	Establish vascular access IV or IO (IV		
		preferred)		
	0	Administer medications per Pulseless		
		Cardiac Arrest Protocol #641		
	0	Interacts with family		
•	Positio	on 5 (P5) if available		
	0	Assists where needed		
	0	May become point person to		
		communicate with family		
		Base Hospital		
	• As	needed	As needed	
		Not	tes	
•	HPCPR	Performance Points		
	 Minimize interruptions of compressions to < 5-10 sec 			
	 Compression rate 100-120/min (goal of 110/min) 			
	• Provide for full chest recoil			
	• Passive Oxygen Insufflation (POI)/ O_2 via non-rebreather mask – may be utilized during			
	first 8 minutes (4 cycles) of resuscitation by placing an oropharyngeal airway (OPA) and			
	high-flow O ₂ via non-rebreather mask			
	0	Do not hyperventilate – small volume o		
1	0			
1	 Pre-charge the monitor at the 200th compression, continue compressions until the 			
	monitor is fully charged			
	 Pulse check (if indicated) is done with rhythm analysis after monitor is charged 			
1	 Immediately resume chest compressions after shock without checking for pulses 			
1	0	Utilize ETCO ₂ numeric value and/or cap	• • •	
	0	In-line or side stream ETCO ₂ monitoring	gutilized with BLS airway management (BVM)	

- Each team member coaches other team members in quality CPR. Use CPR feedback on monitor when available
- $\circ \quad \text{Specific to Adult patients} \\$
 - Compression Depth is 2-2.5 inches
 - Ventilation Volume is 200-400 ml
 - Indications for pulse check organized rhythm > 40 BPM
 - With organized rhythm ≤ 40 continue HPCPR for an additional 2 mins, then assess for ROSC
- Specific to Pediatric patients (≤34 kg)
 - Consider respiratory causes
 - Compression depth 1/3 the depth of the chest
 - Do not hyperventilate just enough to make the chest rise
 - Indications for pulse check organized rhythm > than 60 BPM
 - With organized rhythm ≤ 60 continue HPCPR for an additional 2 mins, then assess for ROSC