

Decision/Action Points:

- Any abnormal findings or life-threatening chief complaint such as major trauma/burns, seizures, diabetes, asthma attack, airway obstruction, etc (urgent) proceed to Initial Assessment. Contact ALS if ALS not already on scene/enroute.
- All findings normal (non-urgent) proceed to Initial Assessment.



Circulation (Pulse Rate & Strength / Extremity Color & Temperature / Capillary Refill / Blood Pressure)

<u>Abnormal</u>: Cyanosis, mottling, or pallor. Absent or weak peripheral or central pulses; Pulse or systolic BP outside normal range; Capillary refill > 2 sec with other abnormal findings.

<u>Normal</u>: Color normal. Capillary refill at palms, soles, forehead or central body ≤ 2 sec. Strong peripheral and central pulses with regular rhythm.

Decision/ Action Points:

- Any abnormal finding Immediate transport with ALS. If ALS is not immediately available, meet ALS intercept enroute to hospital or proceed to hospital if closer. Open airway & provide O₂. Assist ventilations, start CPR, suction, or control bleeding as appropriate. Check for causes such as diabetes, poisoning, trauma, seizure, etc. Assist patient with prescribed bronchodilators or epinephrine auto-injector or administer meds if approved and appropriate.
- All findings on assessment of child normal Continue assessment, detailed history & treatment at scene or enroute.

Normal Respiratory Rate:	Normal Pulse Rate:	Lower Limit of Normal Systolic BP:
Infant (<1yr): 30- 60	Infant: 100-160	Infant: >60 (or strong pulses)
Toddler (1-3yr): 24 -40	Toddler: 90-150	Toddler: >70 (or strong pulses)
Preschooler(4-5yr): 22-34	Preschooler: 80-140	Preschooler: >75
School-age(6-12yr): 18 -30	School-age: 70-120	School-age: >80
Adolescent(13-18yr): 12 -20	Adolescent: 60-100	Adolescent: >90
	Pulses slower in sleeping child / athlete	Estimated min.SBP $>70 + (2 \text{ x age in yr})$

This reference card should NOT replace or supersede regional prehospital medical treatment protocols.

APGAR Score			
	0 pt	1 pt	2 pts
Appearance	Blue	Pink Body Blue Limbs	All Pink
Pulse	Absent	<100	≥100
Grimace/Reflex	None	Grimace	Cough/Sneeze
Activity	Limp	Some flexion	Active motion
Respirations	Absent	Slow/Irregular	Good

Neonatal Resuscitation

Dry, Warm, Position, Tactile Stimulation Call for ALS back-up if needed Suction if airway obstruction or BVM needed

Apnea/Gasping, HR <100 or central cyanosis

BVM @40-60/min with room air. O_2 if sat stays < 95%/

HR<60 after 30 sec. BVM

Chest Compressions @ 120/min - 3:1 1/3 to 1/2 chest depth 2 thumb encircle chest or 2 fingers

> ALS available & HR <60 Consider intubation Epinephrine 0.01-0.03mg/kg IV/IO/ET 1:10,000 q 3-5 min

CPR Notes:

- Start CPR for cardiac arrest or HR<60 with poor perfusion.
- AEDs with pediatric capabilities preferred if patient < 25kg or 55lb (<8 yr old). If unavailable, may use adult AED.
- Do not pause CPR for more than 10 sec. for pulse checks, intubation, patient transfer or other reasons. Give medications during CPR whenever possible.

Glasgow Coma Score				
Infants	Infants Children /Adults			
Eye Opening				
Spontaneous	4	Spontaneous		
To speech/sound	3	To speech		
To pain	2	To pain		
No response	1	No response		
Verbal Response				
Coos or babbles	5	Oriented		
Irritable crying	4	Confused		
Cries to pain	3	Inappropriate words		
Moans to pain	2	Incomprehensible		
None	1	None		
Motor Response				
Spontaneous	6	Obeys commands		
Withdraws touch	5	Localizes pain		
Withdraws pain	4	Withdraws pain		
Abnormal flexion	3	Abnormal flexion		
Abnormal extension	2	Abnormal extension		
No response	1	No response		

Respiratory or Cardiac Arrest			
	<u>Infant</u>	<u>Child</u>	Adol/Adult
VENT RATE	20/min	12-20/min	12/min
Patient with pulses			
COMPRESS	Encircle or	1 or 2	2 hands
METHOD	2 fingers	hands	
DEPTH	1/3 (1 1/2 in)	1/3 (2 in)	2 - 2.4 in
COMPRESS	100-120 per minute		
RATE		-	
C:V RATIO	15:2	15:2	30:2
(2 people)			
Push HARD & FAST, allow full chest RECOIL!			

- Do not synchronize ventilations/compressions after intubation ventilate at 10/min when no pulses.
- After defibrillation, do 2 full minutes of CPR starting with compressions before pulse/rhythm check.
- Adolescent/Adult protocols apply to patients with obvious signs of puberty (breast development obvious through clothing, facial hair, etc), acne, adult appearance/size, or visible axillary hair

Asystole or PEA	<u>Bradycardia</u>	<u>VF or Pulseless VT</u>	
Start CPR	Open airway & ventilate with oxygen.	Defibrillate q 2 min as needed	
Intubate if needed to maintain	Intubate if ALOC & unmaintainable airway Start CPR if HR<60 with poor perfusion.	4-10j/kg (up to $10j/kg$)	
Epinephrine: $0.01 \text{ mg/kg IV}/\text{ IO}*$	Epinephrine: 0.01 mg/kg IV/ IO*	Continue CPR, ventilate with O ₂ ;	
0.1 mg/kg ET*	0.1 mg/kg ET*	Intubate if needed to maintain airway,	
(*0.01 mg/mg) = 1:10,000;	(*0.01mg/ml =1:10,000; 0.1mg/ml=1:1000) Continue Eninephrine a 3-5 min_same dose	Epinephrine: 0.01 mg/kg 1:10,000 IV/ IO	
0.1mg/ml=1:1000)	Atropine $0.02 \text{ mg/kg IV/ IO}$	(q3-5 min) 0.1 mg/kg 1:1000 ET	
Continue Epinephrine q 3-5 min,	0.03 mg/kg ET	Amiodarone 5mg/kg IV/IO or	
same dose	minimum dose 0.1 mg	Lidocaine 1 mg / kg IV/ IO/ ET	
	maximum dose 0.5 mg child; 1 mg adol. Consider transcutaneous pacing as needed.	Magnesium 25-50mg/kg IV/ IO if torsades de	
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Consider possibility of hypoxia, hypovolemia, hypothermia, hydrogen ion (acidosis), hyper/hypokalemia, hypoglycemia, tamponade, tension pneumothorax. toxins/poisons/drugs. trauma or thrombosis (coronary or pulmonary) and treat if present.

Pediatric ALS Guidelines