

# The PRIME Trial Medical Directive

An Advanced Care Paramedic may provide the treatment prescribed in this Medical Directive if authorized.

## Indications

Pediatric non-traumatic cardiac arrest

## Conditions

CPR	
<b>Age</b>	≥ 24 hours to 17 years
<b>LOA</b>	Altered
<b>HR</b>	N/A
<b>RR</b>	N/A
<b>SBP</b>	N/A
<b>Other</b>	Performed in 2 minute intervals

Manual Defibrillation	
<b>Age</b>	≥ 24 hours to 17 years
<b>LOA</b>	Altered
<b>HR</b>	N/A
<b>RR</b>	N/A
<b>SBP</b>	N/A
<b>Other</b>	VF OR pulseless VT

SAED Defibrillation	
<b>Age</b>	≥ 24 hours to 17 years
<b>LOA</b>	Altered
<b>HR</b>	N/A
<b>RR</b>	N/A
<b>SBP</b>	N/A
<b>Other</b>	Defibrillation indicated

Epinephrine	
<b>Age</b>	≥ 24 hours to 17 years
<b>LOA</b>	Altered
<b>HR</b>	N/A
<b>RR</b>	N/A
<b>SBP</b>	N/A
<b>Other</b>	N/A

## Contraindications

CPR
Obviously dead as per BLS PCS
Meet conditions of Do Not Resuscitate (DNR) Standard

Manual Defibrillation
Rhythms other than VF or pulseless VT

SAED Defibrillation
Non-shockable rhythm

Epinephrine
Allergy or sensitivity to epinephrine

## Treatment

Consider CPR as described in the BLS PCS

Consider manual defibrillation (if available and authorized)

	Age	Age
	≥ 24 hours to < 8 years	≥ 8 years to 17 years
<b>Dose</b>	1 defibrillation	1 defibrillation
<b>Initial dose</b>	2 J/kg	As per BH / manufacturer
<b>Subsequent dose(s)</b>	4 J/kg	As per BH / manufacturer
<b>Dosing interval</b>	2 min	2 min
<b>Max. # of doses</b>	N/A	N/A

Consider SAED defibrillation (if not using manual defibrillation)			
	Age		Age
	≥ 24 hours to < 8 years		≥ 8 years to 17 years
	With Pediatric Attenuator Cable	Without Pediatric Attenuator Cable	N/A
<b>Dose</b>	1 defibrillation	1 defibrillation	1 defibrillation
<b>Max. single dose</b>	As per BH / manufacturer	As per BH / manufacturer	As per BH / manufacturer
<b>Dosing interval</b>	2 min	2 min	2 min
<b>Max. # of doses</b>	N/A	N/A	N/A

Consider EPINEPHrine Preload (if available)					
Route					
IM					
	Weight				
	≥ 3 kg to < 5 kg	≥ 5 kg to < 10 kg	≥ 10 kg to < 20 kg	≥ 20 kg to < 30 kg	≥ 30 kg
<b>Dose</b>	0.3 mg	0.5 mg	1 mg	2 mg	3 mg
<b>Total # of injections</b>	1	1	1	1	1
<b>Dosing interval</b>	N/A	N/A	N/A	N/A	N/A
<b>Max. # of doses</b>	1	1	1	1	1

**Consider EPINEPHrine Autoinjector (if available)**

<b>Route</b>				
<b>IM</b>				
	<b>Weight</b>			
	<b>≥ 3 kg to &lt; 5 kg</b>	<b>≥ 5 kg to &lt; 10 kg</b>	<b>≥ 10 kg to &lt; 20 kg</b>	<b>≥ 20 kg</b>
<b>Dose</b>	0.3 mg	0.5 mg	1 mg	2 mg
<b>IM autoinjector used</b>	0.3 mg	0.5 mg	0.5 mg	0.5 mg
<b>Total # of injections</b>	1	1	2	4
<b>Dosing interval</b>	N/A	N/A	N/A	N/A
<b>Max. # of doses</b>	1	1	1	1

## Clinical Considerations

IM epinephrine should be administered as soon as possible once cardiac arrest identified and CPR initiated.

Continue standard care as per the Medical Cardiac Arrest Directive once IM epinephrine has been administered.

IV/IO epinephrine can be administered as soon as feasible after the initial IM epinephrine dose as per the Medical Cardiac Arrest Directive.