

**Additional File 5.** ACCM Goal Directed Targets from the Surviving Sepsis Guidelines (3, 4)

Initial Goals (Often, but not exclusively in the Emergency Department setting)

Initial therapies should be directed toward restoring:

- Normal Mental Status
- Threshold Heart Rates
- Peripheral perfusion (capillary refill < 3 seconds)
- Palpable distal pulses
- Normal blood pressure for age.

Age Range	Threshold Heart Rates	*Threshold Perfusion Pressure MAP-CVP (mm Hg)
Term Newborn	120-180	55
Up to 1 year	120-180	60
Up to 2 years	120-180	65
Up to 7 years	100-140	65
Up to 15 years	90-140	65

\*Perfusion Pressure = Mean Arterial Pressure (MAP) – Central Venous Pressure (CVP)

*\*From a practical perspective, perfusion pressure data is frequently not available for children during the initial phase of septic shock resuscitation due to lack of presence of an arterial line and/or central venous catheter. Thus, initial goals of resuscitation may be limited to the other parameters outlined until invasive monitoring is available.*

Subsequent Goals (Intensive Care Unit) Phase

Shock should be further evaluated and resuscitation treatment guided by hemodynamic variables:

- Monitor CVP in PICU (ensure adequate preload)
- Maintain Adequate Perfusion Pressure: Normal MAP-CVP
- Maintain Oxygen Delivery: Mixed Venous Oxygen Saturation [SCVO<sub>2</sub>] > 70%
- Maintain Oxygen Carrying Capacity: Hemoglobin Concentration > 10 g/dL