



QR code for mobile view

Inclusion Criteria:

- Infant or child with suspected sepsis, sepsis or septic shock

Considerations:

For febrile ($\geq 38^\circ\text{C}$) full-term infants aged 8 to 60 days, refer to the [Febrile Infant Without an Evident Source of Infection Clinical Practice Guideline](#)

Acutely ill infant or child at risk for sepsis or septic shock

Systematic Screening for Sepsis/Septic Shock

or
EMR alert by Care Area
[ED Alert](#) [Inpatient Alert](#)

Sepsis Huddle

Is there suspicion for shock or sepsis-associated organ dysfunction?

Low

Low Suspicion for Sepsis

Suspected infection or non-infectious syndrome without evidence of shock or concern for sepsis-associated organ dysfunction

Sepsis Pathway not presently indicated

Suspected Sepsis

Sepsis, Severe Sepsis

	Suspected Sepsis Suspected Infection, no evidence of shock	Septic Shock or Sepsis-Associated Organ Dysfunction
Evaluation	<ul style="list-style-type: none"> • Complete expedited work-up • Obtain IV access • Laboratory considerations 	<ul style="list-style-type: none"> • Complete expedited work-up • Obtain IV access, IV Escalation Plan • Order labs
Treatment	<ul style="list-style-type: none"> • Initiate IVF Resuscitation: LR or NS 10-20 mL/kg • Antibiotics: Administer within 180 minutes of sepsis alert if concern persists -or- within 60 minutes of arrival or sepsis alert for children with sickle cell disease or oncology diagnoses. 	<ul style="list-style-type: none"> • Initiate IVF Resuscitation: LR or NS 10-20 mL/kg as indicated • Antibiotics: Administer within 60 minutes of sepsis alert
Reassessment	<ul style="list-style-type: none"> • Assess mental status, work of breathing, perfusion, and vital signs every 30-60 minutes • If developing signs of shock, escalate care 	<ul style="list-style-type: none"> • Assess mental status, work of breathing, perfusion, and vital signs every 15 minutes

IVF Resuscitation and Antibiotics

- LR and ceftriaxone are incompatible
- If administered together, there is risk of precipitation in the tubing
- If only one IV, contact the provider to discuss prioritization

Laboratory Studies

Antibiotics

Fluid Choice and Blood Products

Intubation and Sedation Medications

Respiratory Support

Family Education

Intervention Cycle

1. [Monitor Response & Vital Sign Targets](#)
2. If continued signs of compensated shock or hypotensive shock, continue [IV fluid boluses 10-20 mL/kg](#)
3. Correct electrolyte abnormalities (calcium, glucose)
4. Identify foci of infection and implement source control measures

Consider the following interventions for infection source control:

- CT/US imaging of the abdomen
- CT of head, sinus
- CT of the chest, pleural US, chest x-ray
- Echocardiogram, vascular US
- US/MRI to evaluate for septic hip; osteomyelitis
- Pelvic exam
- Lumbar puncture
- Infectious Diseases consult
- Surgical consult
- ENT consult

ED or Inpatient provider discuss with PICU/NICU provider on call to determine placement for admittance

≥ 40 mL/kg IVF given & needs additional resuscitation?

No

[Consider care de-escalation](#)

Yes

Order **vasopressors** and continue fluid resuscitation while waiting for vasopressors to arrive

Assess for risk of adrenal insufficiency & administer stress dose **hydrocortisone**, 1-2 mg/kg if present.

Vasoactive Medications*

Ordering and starting vasopressors through peripheral access may be necessary while awaiting transfer to ICU

Fluid Refractory Shock

Shock persists despite 40-60 mL/kg fluid resuscitation

Vasoactive Medications to Address Fluid Refractory Shock*

Epinephrine

Dosing:

- Starting dose 0.05 mcg/kg/min
- Titrate by 0.02 - 0.05 mcg/kg/min
- Maximum dosing 0.2 mcg/kg/min

Norepinephrine

Dosing:

- Starting dose 0.05 mcg/kg/min
- Titrate by 0.02 - 0.05 mcg/kg/min
- Maximum dosing 0.2 mcg/kg/min

Epinephrine or norepinephrine may be administered through peripheral access if central line access is not available

Admit to [PICU](#) or [NICU](#)