

Pediatric Sepsis

Best Practice Alerts (BPA) in EHR

- ✓ **ED Nursing Flow and Triage**
2-Step Best Practice Alert → ED/Triage
- ✓ **Huddle BPA/Documentation**
Multidisciplinary team, Nursing Documentation
- ✓ **Provider Workflow**
BPA for Order Set and Use of Order Set

Based on published data from CHOP and work around Best Practice Alert use for pediatric sepsis

Nursing/Triage Workflow → Initial Vital Signs Trigger

BPA #1 triggered by Abnormal Vital Sign(s) for Age

↑ Heart rate OR ↓ BP

BestPractice Advisory - Optime, Chamberlain Three "TreeFiddy"

Sepsis Alert (1)

COMPLETE A SEPSIS SCREEN

BP: (!) 60/30
Pulse: (!) 150

Click "Document" if patient has (at home or ED):

- fever ($\geq 38^{\circ}$ C)
- hypothermia ($\leq 35^{\circ}$ C)
- signs of infection

Document Do Not Document Flowsheets

Acknowledge Reason

Pt does NOT have fever, hypothermia or i... Patient unstable, I will document later

Accept

If no to any of the 3 questions
then click "do not document"
and note "Acknowledge Reason"

Nursing/Triage Workflow → Yes to Vitals BPA (#1) → Sepsis Screen BPA

BPA #1 Trigger = Abnormal Vital Sign(s) for Age

↑ Heart rate OR ↓ BP

BPA #2

BestPractice Advisory - Optime, Chamberlain Three "TreeFiddy"

Sepsis Alert (1)

COMPLETE A SEPSIS SCREEN

BP: (!) 60/30
Pulse: (!) 150

Click "Document" if patient has (at home or ED):

- fever (>= 38° C)
- hypothermia (<= 35° C)
- signs of infection

Document Do Not Document Flowsheets Collapse

Acknowledge Reason

Pt does NOT have fever, hypothermia or i... Patient unstable, I will document later

BestPractice Advisory - Optime, Chamberlain Three "TreeFiddy"

Sepsis Alert (1)

COMPLETE A SEPSIS SCREEN

BP: (!) 60/30
Pulse: (!) 150

Click "Document" if patient has (at home or ED):

- fever (>= 38° C)
- hypothermia (<= 35° C)
- signs of infection

Document Do Not Document Flowsheets Collapse

Sepsis Screen

Central capillary refill

1-2 seconds 3 seconds 4 seconds 5 seconds or above

High risk sepsis criteria

- None
- Asplenia
- Bone marrow or solid organ transplant
- Central line
- Malignancy
- Significant CNS/functional technology dependence
- Other immunodeficiency / immunocompromise
- Sickle Cell Disease
- Age less than 60 days

Level of consciousness

- Normal
- Crying, inconsolable
- Drowsy
- Eyes do not open to stimulation
- Non-responsive to stimulation
- Lethargic
- Listless
- Agitated

Acknowledge Reason

Pt does NOT have fever, hypothermia or i... Patient unstable, I will document later

Accept

If no to any of the 3 questions
then click "do not document"
and note "Acknowledge Reason"

If yes to any of the 3 questions
then click "document" and
answer additional questions

Clinical Assessment

1. Central cap refill
2. High-risk states
3. LOC



If answers trigger
"risk for sepsis"
then



Triggers
Huddle
Alert