



# Premier Sepsis Best Practice Alerts

**Using early identification tools to improve  
patient outcomes**

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# Premier Sepsis Best Practice Alerts (BPA)

- Discuss the 2 Epic BPAs related to Sepsis
- Identify why the BPAs fire
- Understand the expected nursing actions when the BPA fires

# BPAs related to Sepsis

- SIRS BPA

BestPractice Advisory - Germer, Frank

**ATTENTION**

Patient meets 3 or more of the SIRS (Systemic Inflammatory Response Syndrome) Criteria. Patient is potentially septic.

Please click on hyperlink below to jump to Sepsis Screening.

[Document Sepsis Screening](#)

- Sepsis BPA

BestPractice Advisory - Zsanc, Heart

**ATTENTION**

**Patient is at risk for SEPSIS**

Assess patient, perform one or more of the following additional actions, and document as appropriate:

- Collaborate with Team Leader
- Notify appropriate physician using SBAR to communicate assessment, clinical findings, and early signs of sepsis
- Initiate ACT Alert call

OK

# Triggers for SIRS BPA

- The SIRS BPA fires when the patient has 3 or > of the following:
  - **Temperature** < 96.8F (36C) or > 100.4F (38C)
  - **Heart Rate** greater than 90 beats/min
  - **Respiratory Rate** > 20/min or **PCo<sub>2</sub>** < 32
  - **WBC count** < 4,000 or > 12,000

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[Document Sepsis Screening ↗](#)

***NOTE: The BPA will continue to fire until the Sepsis Screen is completed.***

# Sepsis Screening Tool

Sepsis

Sepsis Screen

Sepsis Screen

Sepsis Screen - Sepsis Screen

Time taken: 0958 5/28/2014

Show: Row Info Last Filed Details All Choices

Values By Create Note

▼ Sepsis Screen

Sepsis Screen

Recent surgery/postpartum	Wound/cellulitis/decubitus
Respiratory symptoms (productive cough)	Antibiotics prescribed within past 2 weeks
Positive blood culture	Indwelling tubes/lines
Acute change in mental status	UTI or other signs/symptoms of infection
Suspected infection, unknown source	Patient is currently being treated for sepsis
None of the above apply	

Restore Close F9 Cancel Previous F7 Next F8

# Sepsis Screening Tool, con't<sub>1</sub>

- If “none of the above apply” is selected, the BPA resets itself and will re-fire in 12hrs if SIRS criteria is met
- If “pt currently being treated” the entire SIRS/Sepsis BPA will not fire for remainder of pts encounter

The screenshot shows a software window titled "Sepsis" with a sub-window "Sepsis Screen - Sepsis Screen". The interface includes a "Time taken" field (0958), a date field (5/28/2014), and a "Show:" menu with options: Row Info, Last Filed, Details, and All Choices. Below this is a "Values By" field with a "Create Note" button. The main area is a grid of screening criteria:

Recent surgery/postpartum	Wound/cellulitis/decubitus
Respiratory symptoms (productive cough)	Antibiotics prescribed within past 2 weeks
Positive blood culture	Indwelling tubes/lines
Acute change in mental status	UTI or other signs/symptoms of infection
Suspected infection, unknown source	Patient is currently being treated for sepsis
None of the above apply	

At the bottom, there are buttons for "Restore", "Close F9", "Cancel", "Previous F7", and "Next F8".

# Sepsis Screening Tool, con't2

- If any other item is selected, the **Sepsis BPA** will fire
- Must select **“close”** for the screening to be complete

Sepsis

Sepsis Screen

Sepsis Screen

Time taken: 0958 5/28/2014

Show: Row Info Last Filed Details All Choices

Values By Create Note

Sepsis Screen

Recent surgery/postpartum	Wound/cellulitis/decubitus
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Restore Close F9 Cancel Previous F7 Next F8



# Sepsis BPA

▼ Sepsis Screen

Sepsis Screen	Recent surgery/postpartum	Wound/cellulitis/decubitus	Respiratory symptoms (productive cough)	Antibiotics prescribed within past 2 weeks	Positive blood culture
	Indwelling tubes/lines	Acute change in mental status	UTI or other signs/symptoms of infection	Suspected infection, unknown source	Patient is currently being treated for seps
	None of the above apply				

Restore Close F9 Can BestPractice Advisory - Zzanc,Heart

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OK

# Nursing Actions

- Collaborate with TL – or other Sepsis Expert on your unit
- Notify appropriate physician using SBAR – include recent VS, physical assessment findings
  - “**Paint the Picture**”
- Initiate **ACT Alert**

