



- Topic:** Systemic Inflammatory Response Syndrome (SIRS) Alert and Sepsis Screening for Adult ED Patients - Providers
- Facility:** IU Health Emergency Departments
- Audience:** Emergency Physicians, Fellows, Residents, Advanced Practice Providers
- What:** This document serves as a quick reference guide for responding to the adult SEPSIS alert.
- Why:** Sepsis is an inflammatory response triggered by infection, with a high in-hospital mortality rate. Early recognition and treatment can reverse the inflammatory response, with evidence of improved patient outcomes.

Overview

Currently, a sepsis algorithm that evaluates vitals and diagnostics is running in Cerner to identify patients with Systemic inflammatory response syndrome (SIRS) or Severe Sepsis. If either of the criteria is met, the nurse receives a corresponding alert and the display in ED LaunchPoint is updated. The nurse then follows up with the provider for next steps. **New functionality** is being introduced to expand the SIRS alert to allow the nurse to complete a sepsis screening PowerForm to determine if the patient is Septic (SIRS + positive screen). If the patient meets criteria for either Sepsis or Severe Sepsis, the Provider will receive an Open Chart alert for consideration of next steps. If the provider determines **Treatment Is Not Indicated** for any reason other than sepsis treatment already in progress, the LaunchPoint alert display will be removed.

Prerequisites

The provider's alert is generated when Cerner identifies the patient as having one the following:

- **Sepsis Alert:** ≥ 3 (greater than or equal to 3) qualifying SIRS criteria + S&S of sepsis infection risks or altered mental status from nursing screen
- OR**
- **Severe Sepsis Alert:** ≥ 2 (greater than or equal to 2) qualifying SIRS criteria + 1 or more qualifying Organ Dysfunction function criteria

Notes:

- Once vitals are signed, it may take 1-2 minutes for the Sepsis alert to fire and LaunchPoint display to update.
- If an ED Sepsis plan has already been initiated prior to alerts firing, alerts are suppressed.

Step	Action
1	Open patient's chart from ED LaunchPoint. <i>If either Sepsis or Severe Sepsis criteria have been met, a Discern Open Chart alert will display (see screen shot, next page).</i>

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Step	Action
<p>2 Review the Sepsis Screening Risk and Sepsis criteria scores displayed in the alert.</p> <p>a <i>Displays most recent nursing sepsis screening results.</i></p> <p>b <i>Response options for the alert.</i></p>	
<p>3 Order Diagnostics, Antibiotics and/or Fluids</p> <p>Click the Launch ED Sepsis plan button.</p>	
<p>4 Further Investigate if Treatment is Needed</p> <p>Click the Open Chart button.</p>	
<p>5 Click the Document reason treatment not indicated drop-down list.</p>	

Document a Reason that Treatment for Sepsis is not Indicated

6	Select the applicable reason.
7	Click the document button.
<p>Notes:</p> <ul style="list-style-type: none"> • Select Treatment already in progress as Reason Treatment is not Indicated when sepsis bundle has already been initiated. • If provider determines Treatment Is Not Indicated for any reason other than sepsis treatment already in progress, the LaunchPoint alert display will be removed. 	

Alert Ceases to Fire When

- ED Sepsis PowerPlan has been initiated
OR
- Any of the reasons ‘Treatment not indicated’ is documented

Note: If patient previously qualified for Sepsis Alert and now is at Severe Sepsis, the alerting ‘cycle’ starts over.