

## Cerner PowerChart EDUCATION

## Sepsis Definition

Sepsis is life threatening organ dysfunction caused by a dysregulation host response to infection. The common language when referring to the Sepsis Severity at Munson Healthcare include:

Term	Definition
SIRS + Infection	Systemic Inflammatory Response Syndrome (SIRS) + suspected infection without organ
Sepsis	SIRS + suspected infection + organ dysfunction.
Septic Shock	Sepsis induced hypoperfusion evidenced by persistent hypotension despite adequate fluid resuscitation and/or lactic acid greater than or equal to 4mmol/L.

### Sepsis Summary

- 1. Sepsis Recognition:
  - a. Sepsis Screening Tool: Following a positive SIRS/Sepsis nurse Screening nurses are **required** to notify the provider and complete documentation of Provider Notification.

### 2. Sepsis Response:

- a. Provider orders/launches the **Sepsis Advisor**.
- b. Clinical Staff initiates orders.

### 3. Sepsis Reassessment:

- a. Within one hour of fluid bolus completion, the nurse completes two full sets of vital signs and updates the provider.
- b. **Sepsis Advisor is relaunched** by the provider for addition of orders.

#### Note:

- Positive SIRS or Sepsis Screen automatically places orders for CBC, CMP, and Lactic Acid if NOT present.
- Sepsis Screening tool is suppressed for 72 hours after the Sepsis Advisor ordered.
- Alerts do not fire for maternity unit patients.



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### Sepsis Screening Tool

- 1. Open the Sepsis Screening tool from a Task, or from AdHoo
- 2. Select all the boxes that apply for SIRS Screen.
- 3. Select the appropriate response for Infection Screen. Choose Possible suspected, or Known infection or positive culture, if applicable. This does NOT generate a diagnosis that is outside of nursing scope.
- A positive SIRS and Infection Screen opens the Organ Dysfunction Screen.
  - a. Select organ dysfunction criteria that apply for NEW, acute, or worsening organ dysfunction. For stable patients with chronic issues like chronic kidney disease, choose the 'Known or improving organ dysfunction' box.
  - b. One or more signs of Organ Dysfunction will calculate a positive Sepsis Screen.
- 5. Once the Sepsis Action window opens click Notify the Provider, chart Sepsis Provider Notification (this will generate a Provider Notification Task).
  - a. Click the 🗸
- 6. Notify the Provider & Charge Nurse.
- 7. Document the Sepsis Provider Notification task.
- 8. Right click to access the Checklist (see the Sepsis and Septic Shock Checklist section for more details).
- 9. Implement Sepsis orders ASAP.

	1 Sepsis Scre	ening Tool - (	OB Maternity	
The purpose of this to	ol is to facilitate EARLY RECOGN	ITION & TREATMENT OF S	SEPSIS	
Last 6 Results (in t	ne last 72 hours) -			<u>^</u>
Temperature 38.8 Oral 37.8 Oral	09/09/2022 07:00 09/09/2022 06:00	Heart Rate           122         09/09/2022 07:00           105         09/09/2022 06:00	Respiratory Rate           22         09/09/2022 07:00           22         09/09/2022 06:00	
Blood Pressure 105/65 09/09/2022 07 112/65 09/09/2022 06	Mean BP (MAP) 00	Lactic Acid 4 09/09/2022 08:31	White Blood Count           13         09/09/2022 08:29	
Creatinine		Bilirubin Total	Platelet Count	~
SIRS and Infection	Screen			
SIRS Screen	<ul> <li>None seen</li> <li>Hear Rate greater than 110/min</li> <li>Resp Rate greater than 24/min</li> <li>WBE under 4,000, above 17,000 or</li> <li>Fetal Heart Rate greater that 160 (g</li> <li>Temp less than 36 or greater than 3</li> </ul>	greater than 10% bands estational age over 20 wks) 3 deg C		
Infection Screen	C None seen C Known infection or positive culture	Possible suspected	or worsening infection	
	Reference Text - Right click to a	access OB Screening Guid	elines	
SIRS and Infection Screen Result	Negative SIRS and infection screen     Positive SIRS and infection screen     Ongoing SIRS and infection screen	a	P Sepsis Action - COMPASS, PREGNANT MAM	osis Action
	For Positive SIRS and infection automatic CBC, CMP, Lactic Aci provider PRN	screen ONLY - look for d orders, and notify	Sepsis 5 Sepsis Notify Provider, cha	t Sepsis Provider Notification Form
Organ Dysfunction S	creen	_		
	Only select organ dysfunction cr organ dysfunction' box	iteria that is NEW, acute,	or worsening - otherwise choose 'Known	or improving
Organ Dysfunction Screen	None seen Kowm or improving organ dysfunctio Lactic Acid greater than 2 mmol/L Systolic blood pressure (SBP) less that Mean Blood Pressure (MAP) less that Resp. Failure: Increasing 02 needs, I	n	Creatinine increase more than 0.5mg/dl-no chronic Kidr Creatinine above 2 mg/dL - no chronic Kidney Dx Bilinubin greater than 2 mg/dL Platelet count less than 100.000 K/ul aPTT more than 60 seconds without anticoagulants INR more than 1.5 without anticoagulants	ey Dx
	1 or more NEW signs of Organ D Organ Dysfunction)	ysfunction will calculate a	a positive Sepsis Screen (Sepsis = SIRS + 1	nfection +
	O Negative organ dysfunction screen -	No Sepsis		
Result	<ul> <li>Positive organ dysfunction - Sepsis</li> <li>Known or improving organ dysfunctio</li> </ul>	n		

Sepsis Provider Notification							
Selecting 'Known or o will suppress SIRS &	ongoing Sepsis' or 'Sepsis NOT suspected' Sepsis Alerts for 72 hours.						
Sepsis SBAR Provider Intervention	Possible Sepsis     Known or ongoing Sepsis     Sepsis NOT suspected	Explanation/Diagn given by Provider notification	iosis during				
Provider Notified Date/Time Provider Notified START SEPSIS CHECK	• /*/***		Explar	Docume nation/Dia the pro	ent the gnosis given by ovider		

# Sepsis for OB Nurses

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### Sepsis and Septic Shock Checklist

- 1. Available in paper format which can be accessed from:
  - a. The Sepsis Checklist Reference Text order
  - b. The Sepsis Screening Tool
  - c. The Provider Notification Task
- 2. The Checklist assists with the recognition of sepsis, treatment

### guidelines, and provides an area to record the dates and times of sepsis tasks completed.

- a. It serves as an SBAR/Hand-off tool to let the next caregivers know what has and has not been completed.
- 3. Send the Checklist with the patient upon transfer to another facility.
- 4. The Checklist will be scanned into the medical record upon discharge.

Administration of 30 mL/kg crystalloid fluid bolus Time:: Take 2 complete sets of vial signs & nelly provider to set/orm seption methods complete Nurse Initial: reassessment when balas complete Pre-hospital EMS fluids, if any - # mLs Time:: Nurse Initial:	Early Identification	SEPSIS 3 HOUR Sepsis Time Zero (must include all three) 1. Suspicion of infection plus 2. 2 or more SIRS plus 3. Organ dysfunction Initial lactate level measured Result:	Date:         /           Time:         :	_ Comments
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### Viewing and Discontinuing Sepsis Advisor Orders

- 1. Sepsis Advisor orders can be viewed in the Orders Flowsheet within the assigned categories of the Navigator.
  - a. Sepsis Advisor orders do NOT appear in the Plans (PowerPlan) section.

NOTE: Nurses cannot order the Sepsis Advisor. Only providers can place the order.

2. All Sepsis Advisor orders can be individually discontinued from the Orders Flowsheet.

Ordered (Exam Or..

Ordered

Ordered

Ordered

CHEST 1 V

**C-Reactive Protein** 

Urinalysis w/ Culture if Ordered

BNP

Protime

Orders	Orders Medication List	Document In Plan				
of the		Sensis Advisor or	ors	All Active Orders		
	01.0	Sepsis Advisor or				·
	Plans	do NOT appear in	the	\$ 7	Order Name	Status
ear in the Plans	Document In Plan	Document in Plan Plans section.		Categorized		
	Suggested Plans (1)			M 12	Sepsis Checklist Reference Text	Ordered
	Orders		⊿ Pat	tient Care	Nererence rea	
	Non Categorized			<b>v</b>	Sepsis Advisor	Ordered
	Vital Signs			🗹 🏂	2 peripheral IV sites	Ordered
	Activity			- 45		
	Diet/Nutrition			× .2,.	Communication to Nurse	Ordered
SIS	Radiology			M 🐮	Nurse to Page Vascular	Ordered
e order					Access Team	
c order.	Cardiology				Obtain urine specimen within 30 minutes. If	Ordered
	Consults/Referral	s		M 🐮	Sepsis Call Parameters	Ordered
	Therapies		•	M 💥	Sepsis Education Task	Ordered
	Medications	ons			Sepsis Provider Notification Task	Ordered
	- Supplies		⊿ Rac	diology		
v discontinued	Discharge Orders			🗹 🧏	CHEST 1 V	Ordered
,	System Auto-Gen	ds verated	4 1-1-			(Exam Or
	Procedures				BNP	Ordered
	Medication History	Renew		<b>⊻</b> <u>*</u>	C-Reactive Protein	Ordered
	Medication History Sna	apshot Modify		<u> </u>	Protime	Ordered
		Сору			1	
STAT, 09/06/22 11:56:00	EDT, Stop: 09/06/22 11:5	6:00 El Suspend		ot Yet Charted		
		Activate				
STAT, ONCE, 09/08/22 1	0:09:00 EDT, Stop 09/08/	22 10:0 Complete				
STAT, ONCE, 09/08/22 1	22 10:0 Cancel/D	с				
STAT, ONCE, 09/08/22 1	22 10:0 Delete/Vo	id				
STAT, ONCE, 09/08/22 1	0:09:00 EDT, Stop 09/08/	22 10:05:00 EDT, Marse	conce	t		
					•	

Sepsis Checklist Reference Text

⊿ Radiology

⊿ Laboratory

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### **Results Review: Sepsis Screening Results**

Within the Screening Results section of various flowsheets, users can view the following information:

- a. Recommendation/Action-Crawler Displays system generated Sepsis Alerts.
- b. Sepsis Infection Source Displays Infection Source assigned in the Sepsis Advisor.
- c. Patient shows signs of (Sepsis Advisor) Displays the Sepsis term assigned in the Sepsis Advisor.
- d. Sepsis Dismiss Alert Displays Yes when the provider selects **Open Chart** from Sepsis Alert.

Flowsheet	10/7/2022 12:22 PM EDT	10/7/2022 11:14 AM EDT	10/7/2022 10:50 AM EDT	10/7/2022 10:42 AM EDT
Screening Results				
Recommendation/Action-Crawler				Septic shock *
Sepsis Infection Source		Pneumonia		
Patient shows signs of (Sepsis Advisor)		Septic shock		
Sepsis Dismiss Alert			Yes	