

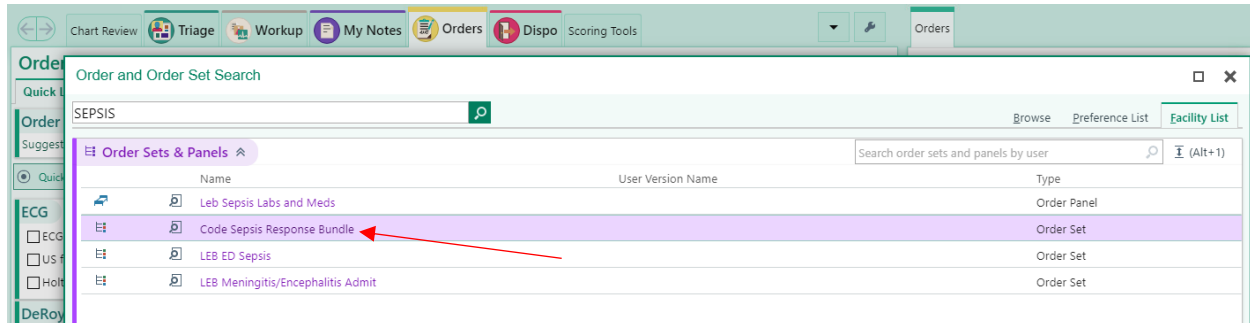
## ORDERING CODE SEPSIS BUNDLE WALK-THROUGH

Below is an outline of how to order the Code Sepsis Response Bundle when needed

- Received alert from care team or ordering due to sepsis suspected

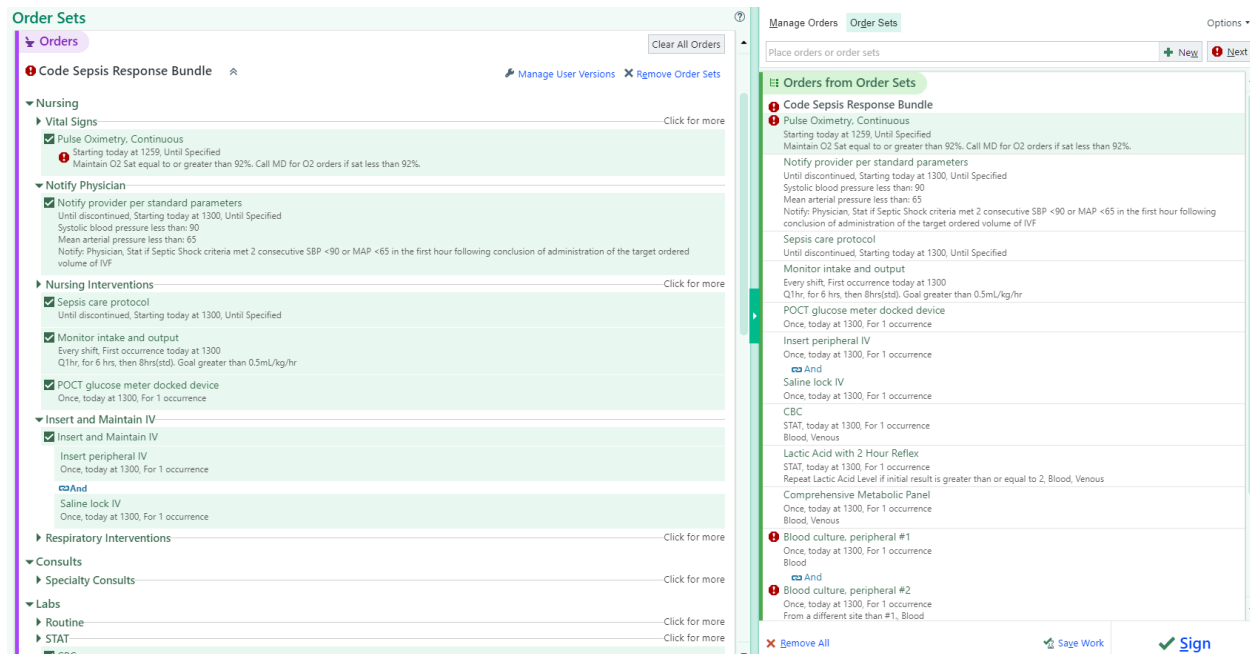
**Search for “sepsis” in Orders and select the “Code Sepsis Response Bundle” from the list**

- ‘LEB’ is for LeBonheur Children’s plans only



**Ensure all essential aspects of the bundle are ordered**

- SEP-1 required measures
  - Within 3-hours: lactic acid, blood cultures, administer ABX, 30ml/kg fluid bolus
  - Within 6-hours: repeat lactic acid if initial > 2.0



▼ Labs

► Routine [Click for more](#)

► STAT [Click for more](#)

☒ CBC  
STAT, today at 1300, For 1 occurrence  
Blood, Venous

☒ Lactic Acid with 2 Hour Reflex

☒ Lactic Acid with 2 Hour Reflex  
STAT, today at 1300, For 1 occurrence  
Repeat Lactic Acid Level if initial result is greater than or equal to 2, Blood, Venous

☒ Comprehensive Metabolic Panel  
Once, today at 1300, For 1 occurrence  
Blood, Venous

☒ Blood Cultures X 2, Peripheral  
Blood culture, peripheral #1  
Once, today at 1300, For 1 occurrence  
Blood

☒ And  
Blood culture, peripheral #2  
Once, today at 1300, For 1 occurrence  
From a different site than #1, Blood

☒ Urine Culture  
Once, today at 1300, For 1 occurrence  
Urine, Urine, Catheterized

☒ Urinalysis with reflex microscopic  
Once, today at 1300, For 1 occurrence  
Urine, Urine, Clean Catch

▼ Imaging

▼ Chest

☒ XR chest 1 view  
STAT, Once, today at 1300, For 1 occurrence  
Portable? Yes

► Abdomen and Pelvis [Click for more](#)

▼ Fluid and Electrolytes

▼ IV Boluses (Sepsis)

**Fluid Administrations:** 30 mL/kg of crystalloid infusion is recommended for patients diagnosed with Septic Shock (persistent hypotension SBP < 90 mmHg or MAP < 70 mmHg, or Lactate > 4). Ideal body weight is recommended for patients with BMI > 30. See fluid resuscitation orders and **SELECT THE APPROPRIATE ORDER BELOW**

☐ Reason 30mL/Kg Fluids Not Given For Sepsis/Septic Shock

☒ Bolus: 30 mL/kg "Recommended for septic shock; unless contraindicated"

- Physician **must** choose one fluid for bolus infusion, either Lactated Ringers or Sodium Chloride 0.9%.
- Use caution in patients with Congestive Heart Failure and/or End Stage Renal Disease in regards to management of fluid. Fluid management of these patients is at the discretion of the physician

☐ Lactated Ringers Bolus

☒ Sodium Chloride 0.9% Bolus

sodium chloride 0.9 % bolus 30 mL/kg (Dosing Weight)  
30 mL/kg, Intravenous, Administer over 1 Hours, Once, today at 1330, For 1 dose  
Dosed for documented weight. Notify provider after 1st liter bolus for End-Stage Renal Disease and CHF patients  
Indications: Diabetic Ketoacidosis

☒ Followed By

sodium chloride 0.9 % bolus 30 mL/kg (Dosing Weight)  
30 mL/kg, Intravenous, Administer over 1 Hours, Once, today at 1430, For 1 dose

Indications: Diabetic Ketoacidosis

☐ Bolus: 1,000 mL

☐ Bolus: 2,000 mL. Dosed for estimated IBW = 65kg and estimated BMI > 30

☐ Bolus: 3,000 mL. Dosed for estimated IBW = 100kg and estimated BMI > 30

▼ Medications

▼ Antimicrobials

Extended Infusion is MLH policy for the following beta-lactams; cefepime, pip/tazo, and ampicillin. Multiple dose orders will start with a one-time **loading dose** infused over 30 minutes and subsequent **maintenance doses** infused over 4 to 24 hours (depending on antibiotic). All maintenance doses start 2 to 6 hours after loading dose. All one-time orders will be infused over 30 minutes.

- [Commonly Used Antimicrobial Dosing Guide](#)

- [Extended and Continuous Infusion Beta Lactam Reference Text](#)

☒ Suspected Source of Sepsis: Unknown

- No suspected anaerobic involvement - give both cefepime AND vancomycin**
- Suspected anaerobic involvement - give both piperacillin-tazobactam AND vancomycin**

☐ cefepime IV - no anaerobic coverage needed

☒ piperacillin-tazobactam IV - for anaerobic coverage

☒ piperacillin-tazobactam (Zosyn) 4.455 g in sodium chloride 0.9 % 100 mL IVPB  
4.455 g (rounded from 4.5 g), Intravenous, at 244 mL/hr, Administer over 0.5 Hours, Once, today at 1330, For 1 dose  
Suspected Indication (Select all that apply): Empiric Sepsis

☐ piperacillin-tazobactam (Zosyn) IV Maintenance Dose Only (Note: Only use if loading dose already given)  
Intravenous, Administer over 4 Hours

☐ Vancomycin IV

☐ Urinary Tract Infection/Pyelonephritis

☐ Pneumonia

☐ Skin/Soft Tissue Infection

☐ Intra-abdominal Source

☐ Meningitis

☐ Febrile Neutropenia

▼ Additional SmartSet Orders

[Search for additional order set orders](#)

Lactic acid and blood cultures must be collected within 3-hours of time zero.

30mL/kg fluid bolus must be given.

An exclusion comment must be placed if not giving fluids.

Order ABX within the bundle to prevent delays in care!

Elements with a red exclamation point mean they need more specification before ordering

- EX. Blood cultures need specimen source: type

Blood Cultures X 2, Peripheral

Blood culture, peripheral #1

Once, today at 1300, For 1 occurrence

Frequency: Once STAT Daily

At 10/2/2024 Today Tomorrow 1300

Comments: + Add Comments

Specimen Type: Blood

Specimen Source: Venous Arterial Capillary Heart

Add-on: No add-on specimen found

Accept Cancel Remove

And

Blood culture, peripheral #2

Once, today at 1300, For 1 occurrence

From a different site than #1, Blood

Remove

Next Required

Accept

Once you SIGN the orders, the Sepsis Timer will populate to the Storyboard (left)

- The timer will start if the patient meet clinical criteria before the bundle is ordered
- Click on the timer to see all sepsis details

Waiting Room

Walter Test

Male, 24 y.o., 6/16/2000

MRN: 100003789

Total Time: 4732:28

Code: Assume Full (no ACP docs)

CSN: 80311

Gender Identity: None

Primary Cvg: None

Sepsis (Status or Timer): 00:04

COVID-19 Vaccine: Unknown

Isolation: None

No assigned Registered Nurse

Allergies: Not on File

Pain Agreement: Not on File

CHIEF COMPLAINT

No chief complaint on file

BP Temp Heart Rate Resp

SpO2 Wt

O2 Delivery Method

RESULTS

No results

MED STATUS (3)

Not Started (3)

ED COURSE +

DISPOSITION

No Disposition Selected

CLINICAL IMPRESSION

No Impression Selected

Corrected GA: None

Sepsis

Time Since Activation

Time Since Sepsis Protocol Activation

00:04

Refresh this section to update timer.

Sepsis Early Detection

Open Sepsis Report in Sidebar

Time Since Sepsis Protocol Activation

00:04

Refresh this section to update timer.

Blood Cultures Not Collected

Initial Lactate Not Collected

Antibiotics Not Given

Fluids Not Started

Sepsis Early Detection

Started on 10/2/2024

Active

Current step: Sepsis Protocol Ongoing

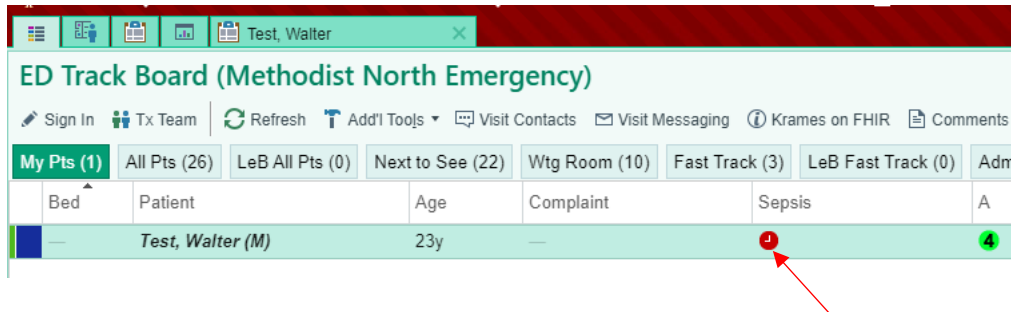
Started: 4 minutes ago

History

Step	User	Date
Sepsis Protocol Ongoing (Due to: Sepsis protocol orders)	Alex-Emer Castor, MD	10/02/2024 1312
Sepsis Protocol Active	Alex-Emer Castor, MD	10/02/2024 1312

## The sepsis timer can be added to the ED tracking board as a column

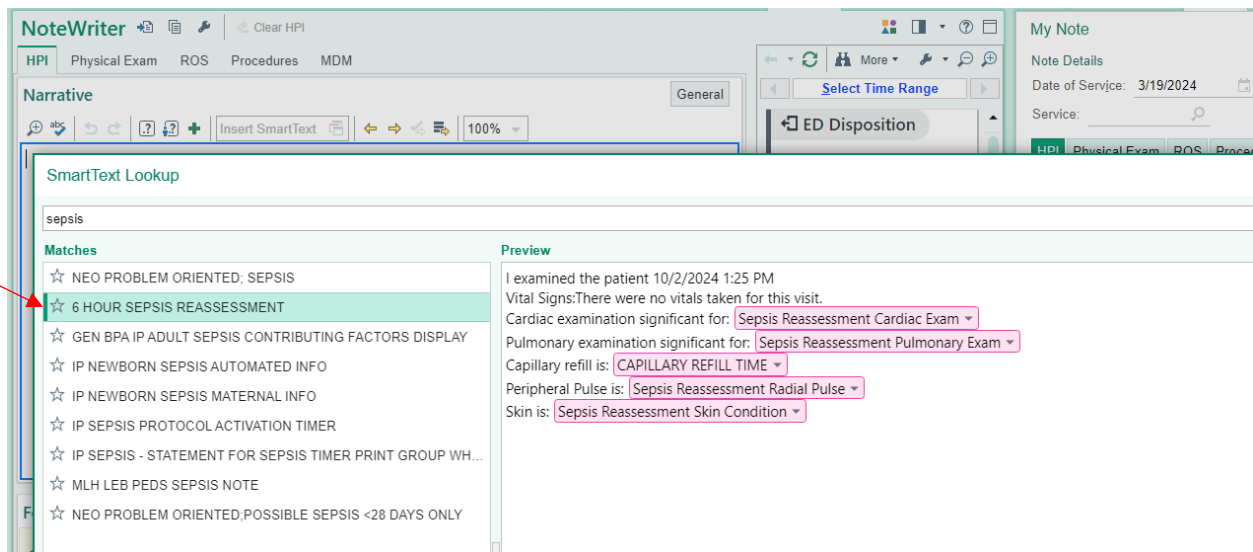
- To add a new column, click the wrench and add 'Sepsis' column to your view
- Hover to discover over the sepsis red clock to see more details and time



The screenshot shows the 'ED Track Board (Methodist North Emergency)' interface. At the top, there are tabs for 'My Pts (1)', 'All Pts (26)', 'LeB All Pts (0)', 'Next to See (22)', 'Wtg Room (10)', 'Fast Track (3)', 'LeB Fast Track (0)', and 'Adm'. Below these are columns for 'Bed', 'Patient', 'Age', 'Complaint', 'Sepsis', and 'A'. The patient 'Test, Walter (M)' is listed with age '23y'. In the 'Sepsis' column, there is a red clock icon, which is highlighted by a red arrow. A green circle with the number '4' is visible in the 'A' column for the same patient.

## For Septic Shock patients

- Must have 30ml/kg fluids within 3-hours
- Must have Repeat Volume Status & Perfusion Assessment within 6-hours
  - There is a template for the 6-hour repeat assessment available
  - Note > type "sepsis" into the SmartText box > select 6-hour sepsis reassessment option



The screenshot shows the 'NoteWriter' interface. The 'Narrative' tab is active, and the 'SmartText Lookup' box is open. The search term 'sepsis' is entered. The 'Matches' list includes several options, with '6 HOUR SEPSIS REASSESSMENT' highlighted by a red arrow. The 'Preview' section shows a template for a sepsis reassessment, including fields for 'Cardiac examination significant for:', 'Pulmonary examination significant for:', 'Capillary refill is:', 'Peripheral Pulse is:', and 'Skin is:'. The 'My Note' panel on the right shows the date of service as 3/19/2024.