



SEPSIS INPATIENT ORDER SET
CODE SEPSIS ACTIVATION

SEPSIS INPATIENT ORDER SET

WHY DO WE NEED IT?

- We frequently fail our sepsis bundle compliance metric.
- Data shows antibiotics within 3h of severe sepsis diagnosis improves mortality (The Society of Critical Care Medicine recommends a “1-hour sepsis bundle”).
- Teaching hospitals of our size have improved sepsis bundle compliance with streamlined sepsis order sets and sepsis alerts to expedite proper workup.

HOW WILL THIS HELP?

- Quick access to commonly used orders in a sepsis workup.
- STAT first dose of antibiotics (jumps the pharmacy queue).
- Auto-calculates IVFs based on weight.
- Automated alerts to RAT team and RN sepsis coordinator to assist if needed.
- Specific nursing prompts in EPIC to guide timely order completion and reassessment.

SEPSIS INPATIENT ORDER SET

- For use in all inpatient settings when there is suspicion of sepsis.
- Default selections for what is commonly used in a sepsis workup.
- Option for a “CODE SEPSIS ACTIVATION” page to the RAT team and the RN sepsis coordinator.
 - ✓ Intended to assist the primary nurse in expediting order completion and provide further nursing guidance.
 - ✓ Paging alert shuts off based on patient location (automatically not triggering in the ED and ICU setting for RAT team).

▼ Infectious Workup

- BLOOD CULTURE PANEL
 - BLOOD CULTURE 1st set
Med Emergency, Unit Collect, NOW, today at 0855, For 1 occurrence, Blood
 - BLOOD CULTURE 2nd set
Med Emergency, Unit Collect, NOW, today at 0855, For 1 occurrence, Blood
- URINALYSIS PANEL
 - URINALYSIS - CATHETERIZED
Med Emergency, Unit Collect, NOW, Starting 3/2/22, Urine, Urine Catheterized
 - URINALYSIS - CLEAN CATCH
Med Emergency, Unit Collect, NOW, Starting 3/2/22, Urine, Urine, Clean Catch
- URINE CULTURE PANEL
- SPUTUM CULTURE W GRAM
STAT, Unit Collect, Sputum
- XR Chest 2 Views
STAT, NOW (IMG)
- XR Chest 1 View
STAT, NOW (IMG), Portable

▼ Labs

- LACTATE PANEL
 - LACTATE
Med Emergency, Unit Collect, ONCE, today at 0855, For 1 occurrence, Blood, Blood
 - LACTATE (Conditional)
Med Emergency, Unit Collect, CONDITIONAL (ONCE), Starting today at 0854, Until Specified, For 1 occurrence, Blood, Blood
- CBC with Diff
STAT, Unit Collect, Blood, Blood
- CMP (Na, K, Cl, CO2, Anion Gap, Glu, Creat w/GFR, Calcium Total, BUN, TP, ALB, ALT, AST, ALP, TBIL)
STAT, Unit Collect, Blood, Blood
- BLOOD GAS, ARTERIAL (pH, pCO2, pO2, O2 SAT, FO2 Hb, Base Exc, HCO3, COHb and MetHb)
STAT, Unit Collect, Blood, Blood

▼ Fluids

Per Surviving Sepsis Guidelines, 30 ml/kg fluid bolus is recommended for hypotension or lactate ≥ 4 (unless contraindicated by fluid volume status or underlying condition).

▼ Fluids

Last HEIGHT: 02/03/22 5' 3"	Last WEIGHT: 02/03/22 80 kg (176 lb 5.9 oz)
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Ideal body weight: 56.9 kg (125 lb 7.1 oz)

BMI: Body mass index is 31.24 kg/m².

For patients with BMI ≤ 30 : use standard fluid bolus (dosed at 30 mL/kg using actual body weight)
For patient with BMI > 30 : use modified fluid bolus (dosed at 30 mL/kg using ideal body weight)

- Standard Fluid Bolus (30 mL/kg)
- Modified Fluid Bolus for BMI > 30 , (30 mL/kg using ideal body weight)
- Reduced Fluid Bolus (for patients with concern for Volume Overload)

▼ Antibiotics

▼ Broad Spectrum Antibiotics

- Without Full Anaerobic Coverage
- With Full Anaerobic Coverage

FLUID BOLUSING

To align with recommendations per SCCM and CMS compliance, the fluid section presents options that are unique to this order set build:

▼ Fluids

Per Surviving Sepsis Guidelines, 30 ml/kg fluid bolus is recommended for hypotension or lactate ≥ 4 (unless contraindicated by fluid volume status or underlying condition).

▼ Fluids

Last HEIGHT: 02/03/22 5' 3"	Last WEIGHT: 02/03/22 80 kg (176 lb 5.9 oz)
--------------------------------	--

Ideal body weight: 56.9 kg (125 lb 7.1 oz)

BMI: Body mass index is 31.24 kg/m².

Automated calculation of weight based fluid boluses based off recorded and ideal body weight.

For patients with BMI ≤ 30 : use standard fluid bolus (dosed at 30 mL/kg using actual body weight)
For patient with BMI > 30 : use modified fluid bolus (dosed at 30 mL/kg using ideal body weight)

Standard Fluid Bolus (30 mL/kg)

Modified Fluid Bolus for BMI > 30 , (30 mL/kg using ideal body weight)

LR or NS Bolus - Ideal Body Wt:51-66 kg

lactated ringers bolus 2000 mL

lactated ringers BOLUS DOSE: 1,000 mL
1,000 mL, INTRAVENOUS, BOLUS, For 1 dose, today at 0900

Followed By

lactated ringers BOLUS DOSE: 1,000 mL
1,000 mL, INTRAVENOUS, BOLUS, For 1 dose, today at 0900

sodium chloride 0.9% bolus 2000 mL

Reduced Fluid Bolus (for patients with concern for Volume Overload)

Fluid boluses built in a "panel" when larger volumes are ordered for nursing guidance. Default is for 15 minutes per bag, but can be edited.

Reduced fluid bolus option for ordering that is not weight based.

REDUCED VOLUME FLUID BOLUS

- The reduced fluid bolus section provides options for administering fluids not based on body weight. To note, these boluses do not have a default administration time set.
- To meet CMS compliance, when using the reduced fluid bolus option, you will be prompted to select a rationale for ordering reduced volume. A dropdown menu will be deployed by using the F2 key or clicking the right arrow. Simply select your reasoning from the dropdown menu.

Reduced Fluid Bolus (for patients with concern for Volume Overload)

- LR or NS Bolus 250 mL
- LR or NS Bolus 500 mL
- LR or NS Bolus 1000 mL

LR or NS Bolus 1500 mL

- lactated ringers bolus 1500 mL

sodium chloride bolus 1500 mL

sodium chloride 0.9% bolus DOSE: 1,000 mL

! 1,000 mL, INTRAVENOUS, BOLUS, For 1 dose, today at 0900

Followed By

sodium chloride 0.9% bolus DOSE:

! INTRAVENOUS, BOLUS, For 1 dose, today at 0900

- LR or NS Bolus 2000 mL
- LR or NS Bolus 2500 mL
- LR or NS Bolus 3000 mL

Administer Over:

30

Minutes

15 Minutes

30 Minutes

60 Minutes

120 Minutes

! Admin Instructions:



Insert SmartText



100%

30 mL/kg bolus not give due to {17384}

! The Admin Instructions field contains unfilled variables (****) or SmartLists.

ANTIBIOTICS

- Undifferentiated options for coverage based on recommendations by pharmacy and antibiotic stewardship committee.
- Recommendations based on presumed diagnosis/etiology to come at a future date.

▼ Antibiotics

▼ Broad Spectrum Antibiotics

- Without Full Anaerobic Coverage
- With Full Anaerobic Coverage
- Beta Lactam Allergy (Anaphylaxis) Options



▼ Antibiotics

▼ Broad Spectrum Antibiotics

- Without Full Anaerobic Coverage
- With Full Anaerobic Coverage
 - !** Vancomycin (MRSA coverage)
 - Vancomycin
 - MRSA Nares (Use only if concern for pneumonia)
Unit Collect, NOW, Nares
 - !** Antibiotics
 - Ceftriaxone + Metronidazole
 - Cefepime + Metronidazole (Pseudomonas coverage)
 - Piperacillin-Tazobactam (Zosyn) Infusion Panel (Pseudomonas coverage)
 - Meropenem (ESBL + Pseudomonas coverage)
1 g, INTRAVENOUS, EVERY 8 HOURS
- Beta Lactam Allergy (Anaphylaxis) Options

NURSING GUIDANCE

Included instructions for nursing to provide guidance through order set completion.

- ✓ Utilizing the Epic brain for nursing cues.
- ✓ Further buildout for Epic in progress based on identified nursing gaps (planned release later this year).

sodium chloride 0.9% bolus Dose: 1,000 mL : 4,000 mL/hr : INTRAVENOUS : BOLUS :

Product Instructions:
Recommend administering using Drop Flow Controller (Dial-A-Flow) Device.
Product: sodium chloride 0.9% 0.9% solp
Ordered Admin Dose: 1,000 mL
Infused Over: 15 Minutes
Expected Dispense Volume: 1,000 mL

sodium chloride 0.9% bolus Dose: 1,000 mL : 4,000 mL/hr : INTRAVENOUS : BOLUS :

Product Instructions:
Recommend administering using Drop Flow Controller (Dial-A-Flow) Device.
Product: sodium chloride 0.9% 0.9% solp
Ordered Admin Dose: 1,000 mL
Infused Over: 15 Minutes
Expected Dispense Volume: 1,000 mL

sodium chloride 0.9% bolus Dose: 500 mL : 2,000 mL/hr : INTRAVENOUS : BOLUS :

Product Instructions:
Recommend administering using Drop Flow Controller (Dial-A-Flow) Device.
Product: sodium chloride 0.9% 0.9% solp
Ordered Admin Dose: 500 mL
Infused Over: 15 Minutes
Expected Dispense Volume: 500 mL

13-604-01 Orders

atory, MDRO, ... PRN

Poc, Antonia Maria Del Carmen (7110034)

Labs

1313 Print Label for BACTERIAL BLOOD CULTURE Print Label
Obtain and label cultures before starting any new antibiotics.

1313 Print Label for BACTERIAL BLOOD CULTURE Print Label
Obtain and label cultures before starting any new antibiotics.

1313 Print Label for LACTATE Print Label
If initial lactate is greater than 1.9, release conditional order and draw after all fluid b...

1317 Print Label for URINALYSIS MACRO Print Label

Task