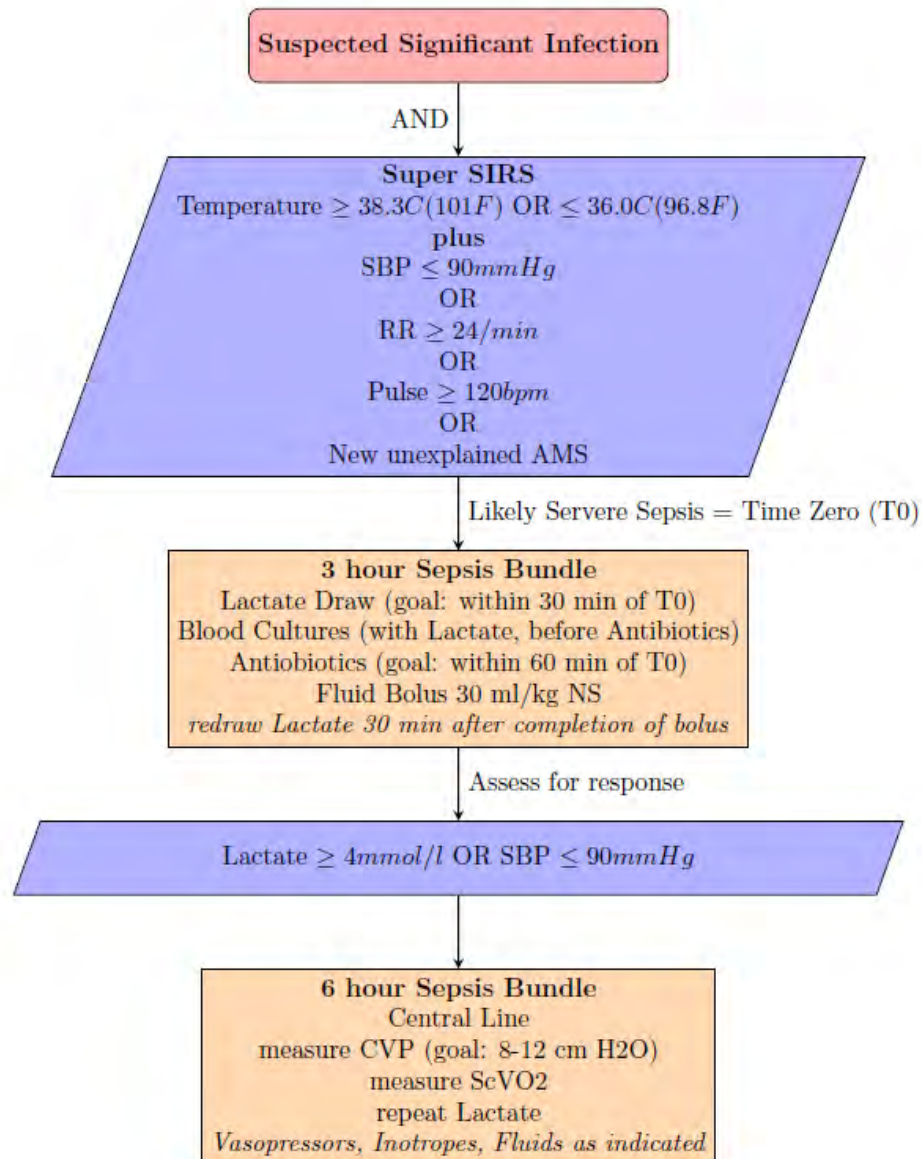


# Sepsis 3 hr Bundle Implementation

Dartmouth Hitchcock Medical Center

# Super SIRS Criteria Screening Tool



## Criteria Met: 3 hour Sepsis Bundle

- Lactate Draw – within 30 minutes
- Blood Cultures – draw with Lactate before antibiotics
- Antibiotics given – within 60 minutes
- Fluid bolus of 30ml / kg (unless clinically contraindicated)

# 3hr Bundle Orderset – Core Items

## Initial Labs

### Sepsis Initial Stat Labs

- Lactate, whole blood, send to lab  
STAT, ONE TIME First occurrence Today at 1510  
Collect 3 cc blood gas syringe, does not have to be on ice Tourniquet is okay if lactate is drawn first
- Blood Cultures x 2
  - Blood culture  
STAT, ONE TIME First occurrence Today at 1510  
Draw blood Cultures before administering antibiotics
  - Blood culture  
STAT, ONE TIME First occurrence Today at 1510  
Draw blood Cultures before administering antibiotics
- Lactate, whole blood, send to lab  
STAT, PRN starting Today at 1506 Until Specified  
Collect in 3 cc blood gas syringe, does NOT have to be on ice Tourniquet is okay if lactate is drawn first Repeat lactate if hypotensive after 30 minutes of fluid bolus  
Repeat if lactate is greter than or equal to 2.2 mEq/L

## Initial IV Fluids

### Fluids

- IV Fluids
  - sodium chloride 0.9% infusion  
30 mL/kg, Intravenous, ONCE, 1 dose Today at 1530  
Administer over 30 minutes wide open, may administer up to 2.5 L
  - Followed by
    - sodium chloride 0.9% infusion  
50-500 mL/hr, Intravenous, CONTINUOUS PRN starting Today at 1530 until Today at 1829
- Notify ICU Fellow if MAP is less than 65 mmhg after initial bolus  
Routine, UNTIL DISCONTINUED starting Today at 1510 Until Specified

## Sepsis from Unknown Etiology

### No penicillin allergy

**ciprofloxacin to be ordered if patient has recently received antibiotics or been in a healthcare facility.**

- Vancomycin AND Piperacillin/Tazobactam (Weight 35-50 kg)
- Vancomycin AND Piperacillin-Tazobactam (Weight 51-80 kg)
- Vancomycin AND Piperacillin-Tazobactam (Weight greater than 80 kg)
- Vancomycin AND Piperacillin-Tazobactam AND Ciprofloxacin (Weight 35-50 kg)
- Vancomycin AND Piperacillin-Tazobactam AND Ciprofloxacin (Weight 51-80 kg)
- Vancomycin AND Piperacillin-Tazobactam AND Ciprofloxacin (Weight greater than 80 kg)

### History of penicillin allergy\*

**ciprofloxacin to be ordered if patient has recently received antibiotics or been in a healthcare facility**

- Vancomycin AND Ceftazidime AND Metronidazole (Weight 35-50 kg)
- Vancomycin AND Ceftazidime AND Metronidazole (Weight 51-80 kg)
- Vancomycin AND Ceftazidime AND Metronidazole (Weight greater than 80 kg)
- Vancomycin AND Ceftazidime AND Metronidazole AND Ciprofloxacin (Weight 35-50 kg)
- Vancomycin AND Ceftazidime AND Metronidazole AND Ciprofloxacin (Weight 51-80 kg)
- Vancomycin AND Ceftazidime AND Metronidazole AND Ciprofloxacin (Weight greater than 80 kg)

# 3hr Bundle Orderset - Continued

<p>▼ <b>Sepsis from Intra-abdominal Source</b></p> <p>▼ <b>No penicillin allergy</b> ciprofloxacin to be ordered if patient has recently received antibiotics or been in healthcare facility</p> <ul style="list-style-type: none"><li><input type="radio"/> piperacillin-tazobactam</li><li><input type="radio"/> piperacillin-tazobactam/ciprofloxacin</li></ul> <p>▼ <b>History of penicillin allergy*</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> meropenem</li></ul>
<p>▼ <b>Sepsis from Respiratory Source</b></p> <p>▼ <b>No penicillin allergy</b> vancomycin to be ordered if post-influenza infection is suspected</p> <ul style="list-style-type: none"><li><input type="radio"/> Ceftriaxone AND Doxycycline</li><li><input type="radio"/> Ceftriaxone AND Doxycycline AND Vancomycin (Weight 35-50 kg)</li><li><input type="radio"/> Ceftriaxone AND Doxycycline AND Vancomycin (Weight 51-80 kg)</li><li><input type="radio"/> Ceftriaxone AND Doxycycline AND Vancomycin (Weight greater than 80 kg)</li></ul> <p>▼ <b>History of penicillin allergy*</b> vancomycin to be ordered if post-influenza infection is suspected</p> <ul style="list-style-type: none"><li><input type="radio"/> Levofloxacin</li><li><input type="radio"/> Levofloxacin AND Vancomycin (Weight 35-50 kg)</li><li><input type="radio"/> Levofloxacin AND Vancomycin (Weight 51-80 kg)</li><li><input type="radio"/> Levofloxacin AND Vancomycin (Weight greater than 80 kg)</li></ul>
<p>▼ <b>Sepsis from Respiratory Source with Risk Factors for Resistant Pathogens**</b></p> <p>▼ <b>No penicillin allergy</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> Piperacillin-Tazobactam AND Vancomycin (Weight 35-50 kg)</li><li><input type="checkbox"/> Piperacillin-Tazobactam AND Vancomycin (Weight 51-80 kg)</li><li><input type="checkbox"/> Piperacillin-Tazobactam AND Vancomycin (Weight greater than 80 kg)</li></ul> <p>▼ <b>History of penicillin allergy*</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> Meropenem AND Vancomycin (Weight 35-50 kg)</li><li><input type="checkbox"/> Meropenem AND Vancomycin (Weight 51-80 kg)</li><li><input type="checkbox"/> Meropenem AND Vancomycin (Weight greater than 80 kg)</li></ul>
<p>▼ <b>Sepsis from Urinary Source</b></p> <p>▼ <b>ciprofloxacin and tobramycin OR ciprofloxacin and ceftriaxone</b></p> <ul style="list-style-type: none"><li><input type="radio"/> ciprofloxacin/tobramycin</li><li><input type="radio"/> ciprofloxacin/ceftriaxone</li></ul>
<p>▼ <b>Sepsis from Skin and Soft Tissue Source</b></p> <p>▼ <b>No penicillin allergy</b> clindamycin to be ordered for necrotizing fasciitis</p> <ul style="list-style-type: none"><li><input type="radio"/> Vancomycin AND Piperacillin-Tazobactam (Weight 35-50 kg)</li><li><input type="radio"/> Vancomycin AND Piperacillin-Tazobactam (Weight 51-80 kg)</li><li><input type="radio"/> Vancomycin AND Piperacillin-Tazobactam (Weight greater than 80 kg)</li><li><input type="radio"/> Vancomycin AND Piperacillin-Tazobactam AND Clindamycin (Weight 35-50 kg)</li><li><input type="radio"/> Vancomycin AND Piperacillin-Tazobactam AND Clindamycin (Weight 51-80 kg)</li><li><input type="radio"/> Vancomycin AND Piperacillin-Tazobactam AND Clindamycin (Weight greater than 80 kg)</li></ul> <p>▼ <b>History of penicillin allergy*</b> clindamycin to be ordered for necrotizing fasciitis</p> <ul style="list-style-type: none"><li><input type="radio"/> Vancomycin AND Meropenem (Weight 35-50 kg)</li><li><input type="radio"/> Vancomycin AND Meropenem (Weight 51-80 kg)</li><li><input type="radio"/> Vancomycin AND Meropenem (Weight greater than 80 kg)</li><li><input type="radio"/> Vancomycin AND Meropenem AND Clindamycin (Weight 35-50 kg)</li><li><input type="radio"/> Vancomycin AND Meropenem AND Clindamycin (Weight 51-80 kg)</li><li><input type="radio"/> Vancomycin AND Meropenem AND Clindamycin (Weight greater than 80 kg)</li></ul>
<p>▼ <b>Sepsis Associated with Acute Bacterial Meningitis</b></p> <p>▼ <b>dexamethasone/vancomycin/ceftriaxone</b> Administer dexamethasone before first dose of antibiotics.</p> <ul style="list-style-type: none"><li><input type="checkbox"/> dexamethasone injection <small>0.15 mg/kg/dose, Intravenous, ONCE</small></li><li><input type="checkbox"/> vancomycin and ceftriaxone</li></ul>