

**ED Sepsis Orders**  
**(Age greater than 16 years.)**

<b>Diagnosis: (On Admission Only)</b>		
<b>(On Admission Only)</b> ADMIT TO: <input type="checkbox"/> INPATIENT <b>OUTPATIENT – SELECT ONE</b> <input type="checkbox"/> SAME DAY SURGERY <input type="checkbox"/> OBSERVATION STATUS <input type="checkbox"/> CLINICAL <input type="checkbox"/> RECURRING		<b>Please document signs, symptoms or clinical indications for each test.</b>
<b>DATE</b>	<b>1. Does the patient have risk factors for infection?</b> <input type="checkbox"/> YES <input type="checkbox"/> NO    If answer is yes, proceed to #2 and #3. <input type="checkbox"/> Recent surgery/invasive procedure <input type="checkbox"/> Nursing Home resident <input type="checkbox"/> Recent influenza/viral illness <input type="checkbox"/> Recent hospitalization <input type="checkbox"/> Immunosuppression <input type="checkbox"/> Alteration in mental status <input type="checkbox"/> Diarrhea <input type="checkbox"/> Fever, chills, rigors <input type="checkbox"/> Productive cough	
<b>TIME</b>		
	<b>2. Is the patient's history suggestive of a new infection?</b> <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Pneumonia <input type="checkbox"/> Skin/Soft tissue infection <input type="checkbox"/> Implanted device infection <input type="checkbox"/> Bone/joint infection <input type="checkbox"/> Acute abdominal infection <input type="checkbox"/> Wound infection <input type="checkbox"/> Meningitis <input type="checkbox"/> Blood stream catheter infection <input type="checkbox"/> Endocarditis <input type="checkbox"/> UTI <input type="checkbox"/> Other or unknown	
<b>AM/PM</b>		
	<b>3. Are any <u>2</u> of the SIRS criteria met?</b> <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Hypothermia less than 96.8° F Oral (36° C) <input type="checkbox"/> Hyperthermia greater than 100.9° F Oral (38.0° C) <input type="checkbox"/> Tachycardia greater than 90 bpm <input type="checkbox"/> Tachypnea greater than 20 breaths per minute <input type="checkbox"/> Acutely altered mental status <input type="checkbox"/> WBC <input type="checkbox"/> less than 4,000 <input type="checkbox"/> greater than 10% bands <input type="checkbox"/> greater than 12,000	
<b>DATE</b>		
<b>TIME</b>		
<b>AM/PM</b>		Ordering Physician _____



DOB: D    A/Sdt: -    +



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	<p>*If the answer is YES to both 2&amp;3, sepsis is to be suspected.  <b>Order Sepsis Panel STAT:</b>  <b>Serum Lactate</b>  <b>Blood Cultures times 2</b>  <b>Other cultures _____</b>  <b>CBC with differential</b>  <b>CMP</b>  <b>PT/PTT</b>  <b>Cortisol level</b>  <b>UA Flex</b>  <b>Sputum culture</b>  <b>ABG</b></p>	
	<p><input type="checkbox"/> Start two large bore IV's</p> <p>If pt. hypotensive (SBP less than 90 or MAP less than 60) or serum lactate greater than or equal to 2 mmol/L, begin aggressive fluid resuscitation administer two liters over 30 minutes of Normal Saline.  <b>((2 x DBP) + SBP)/3 = MAP</b>  Maintenance IV fluids _____ at _____ mL/hr</p>	
	<p><b>If pt. remains hypotensive:</b></p> <p><input type="checkbox"/> Initiate Norepinephrine 4 mg/250mL of D5W. Titrate to keep SBP greater than 90 &amp; MAP greater than or equal to 65 mm. Maximum infusion rate 1 mcg/kg/min.</p> <p><input type="checkbox"/> Initiate Dopamine 400 mg/250mL of D5W. Titrate to keep SBP greater than 90. Maximum infusion rate 20 mcg/kg/min.</p> <p><input type="checkbox"/> If Vaso Pressor Medication initiated:  Obtain Consent for Central Line Insertion  Consider Central Venous Catheter insertion (CVC); <b>If can be done without delaying admission.</b>  Portable Chest x-ray post CVC insertion</p>	
	<p><b>Empiric Antibiotics: Give 1st dose within 4 hours)</b>  Pharmacy will automatically adjust ABX dose for renal insufficiency</p> <p><u><b>Non ICU patients</b></u></p> <p><input type="checkbox"/> ceftriaxone (Rocephin) 1 gram IVPB X 1 AND azithromycin (Zithromax) 500 mg IVPB q 24 hours</p> <p><input type="checkbox"/> levofloxacin (Levaquin) 750 mg IVPB X 1 (used alone)</p> <p><u><b>ICU Patients</b></u></p> <p><input type="checkbox"/> ceftriaxone (Rocephin) 1 gram IVPB X 1 AND azithromycin (Zithromax) 500 mg IVPB X 1.  <b>If allergic to penicillin</b></p> <p><input type="checkbox"/> levofloxacin (Levaquin) 750 mg IVPB X 1 AND aztreonam (Azactam) 2 grams IVPB X 1</p>	Ordering Physician _____



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<b>Pseudomonas Risk/Immunocompromised Patients/Septic Shock</b> <input type="checkbox"/> cefepime (Maxipime) 2 grams IVPB X 1 AND levofloxacin (Levaquin) 750 mg IVPB X 1. <input type="checkbox"/> piperacillin/tazobactam (Zosyn) 4.5 grams IVPB X 1 AND levofloxacin (Levaquin) 750 mg IVPB X 1. If allergic to penicillin <input type="checkbox"/> levofloxacin (Levaquin) 750 mg IVPB X 1 AND aztreonam (Azactam) 2 grams IVPB X 1. tobramycin (Tobrex) 7 mg/kg then dose per pharmacy (tobramycin (Tobrex) Random level 10 hours after the start of infusion.) <b>MRSA/Sepsis</b> <input type="checkbox"/> vancomycin (Vancocin) _____ IV X 1 (Pharmacy to adjust dose) <input type="checkbox"/> Other:		
<b>DATE</b>	<b>Risks of Pseudomonas Include:</b> 1. Brochiectasis/structural lung damage 2. Hospitalization past two weeks 3. Dialysis	
<b>AM/PM</b>	4. Evaluate for severe sepsis (sepsis + one or more acute organ dysfunction) <input type="checkbox"/> SBP less than 90 mmHg or MAP less than 65 mmHg. <input type="checkbox"/> SBP decrease greater than 40 mmHg from baseline. <input type="checkbox"/> Bilateral pulmonary infiltrates with PaO <sub>2</sub> /F <sub>102</sub> ratio less than 250. <input type="checkbox"/> Urine output less than 0.5 ml/kg/hour for more than 2 hours. <input type="checkbox"/> Creatinine greater than 2 mg/dl, or 0.5mg/dl increase in serum creatinine. <input type="checkbox"/> Platelet count less than 100,000 or PT INR greater than 1.5 or PTT greater than 60 sec. <input type="checkbox"/> Lactate greater than 2mmol/L. <input type="checkbox"/> Total bilirubin greater than 2 mg/dL <input type="checkbox"/> Unexplained change in mental status.	
<b>TIME</b>	<input type="checkbox"/> <b>Severe Sepsis Diagnosis if:</b> *Suspicion of sepsis is present AND organ dysfunction is present. *Serum lactate is between 2–4 mmol/L *Patient responds to fluid resuscitation of 2 liters Normal Saline over 30 minutes <input type="checkbox"/> <b>Septic Shock Diagnosis if:</b> *There is severe sepsis with persistent hypotension despite adequate volume resuscitation AND/OR initial Serum lactate greater than 4 mmol/L.	
	<input type="checkbox"/> O <sub>2</sub> – titrate to keep O <sub>2</sub> sat 90% or greater.	Ordering Physician _____
 <b>HaysMedicalCenter</b> HAYS, KANSAS 		+ DOB: D    A/Sdt: - 