

IT Training

Version: 02

Effective: 02.12.15

Replaces: 01.26.15

**New tool:** When providers order IV anti-infectives for an emergency patient (18 years or older), a new clinical decision support tool will determine if you suspect pneumonia as the diagnosis and assist you in choosing the correct antibiotic for treatment based on the patient's allergy profile. This will fire only once during a patient's visit.

- 1. In the patient's chart, order an IV anti-infective.
- 2. If no Allergies are documented, you will be prompted to document allergy information.

Click Enter Allergy to document the allergy.



- 3. When allergies are documented, the <u>Indicate Clinical Impression</u> screen appears.
- 4. Indicate whether your clinical impression is:
  - Community Acquired Pneumonia (CAP)
     Select one of the options provided.
  - Health Care Associated
     Pneumonia (HCAP)
     Select one of the options
     provided.
  - If there is another reason to order the antibiotic instead of, or in addition to the pneumonia, indicate in the Other section.

Any items selected will be added automatically as Diagnosis.

5. Click Submit.

Indicate Clinical Impression Community Acquired Pneumonia	
Impression: CAP NON ICU Pseudo Risk	monas Patient has one of the following scenarios: • Bronchiectasis OR • Chronic Bronchitis, COPD, emphysema, interstitial/restrictive lung disease AND: ≥ 2 courses of antibiotics in past 90 days OR ≥ 2 courses of PO/IV/IM steroids in past 90 days
Impression: CAP ICU	Community Acquired Pneumonia (Patient Admitted to the ICU)
Impression: CAP ICU Pseudomona	<ul> <li>s Risk Patient has one of the following scenarios:         <ul> <li>Bronchiectasis OR</li> <li>Chronic Bronchittis, COPD, emphysema, interstitial/restrictive lung disease AND:</li> <li>2 courses of antibiotics in past 90 days OR</li> <li>2 courses of PO/IV/IM steroids in past 90 days</li> </ul> </li> </ul>
lealth Care Associated Pneumonia	
☐ Impression: HCAP	<ul> <li>HCAP includes any one of the following scenarios:</li> <li>Acute care hospitalization ≥ 2 days within 90 days</li> <li>Residence in a nursing home or extended care facility for any amount of time within 90 days</li> <li>(ONLY IF 24-hour nursing care is provided)</li> <li>Wound care, tracheostomy care or ventilator care provided by health care professional within 30 days</li> <li>Received intravenous antibiotic therapy or chemotherapy within 30 days</li> <li>Chronic dialysis within 30 days</li> <li>Family member with multi-drug resistant organism</li> </ul>
)ther	
Impression: Abdominal Infection Impression: Cellulitis Impression: Meningitis Impression: Sepsis Impression: JUT	

FirstNet Job Aid: ED Providers Antibiotic Clinical Decision Support Tool



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IT Training Replaces: 01.26.15 6. Next, if the patient has a beta lactam allergy, indicate the severity of the allergy. 9 PNEUMONIA CLINICAL DECISION SUPPORT Cerner 🖪 🍯 🗛 Does the patient have a *SEVERE* IgE mediated ß lactam allergy? (E.g. anaphylaxis, hives, swelling, shortness of breath, edema) 7. Click Submit. Yes - SEVERE Beta Lactam Allergy No - SEVERE Beta Lactam Allergy Unknown - SEVERE Beta Lactam Allergy Submit 8. Based on the diagnosis and allergy indications, the tool will provide 9 PNEUMONIA CLINICAL DECISION SUPPORT recommended courses of treatment. Cerner 🗅 🍊 l 🗛 9. Select the course by checking the box Below is the recommended course of treatment based on CCHS Pneumonia Guidelines, Please make a selection next it. CAP ICU with SEVERE Beta Lactam Allergy 10. If Vancomycin is clinically indicated and LevoFLOXacin (Levaquin) Inj Dose = 750 mg IV once selected, provide a reason from the n IV is clir dropdown. Options include: Vancomycin Ini IV Order Indication For Vancomycin I MSRA Suspected Please specify Vancomycin reason :  $\checkmark$  Empyema Present Cavitary Pneumonia Aztreonam (Azactam) Dose = 2 G, IV, once Concern for Bacterial PNA with AZITHromycin (Zithromax) Inj Dose = 500 MG, IV, once Influenza Vancomycin Inj IV If you choose to not to follow these guidelines, Select Opt Out and indicate the reason bel 11. You can Opt Out of the recommended Opt Out: guideline, but must provide a reason in Please specify opt out reason : the field. Submit 12. Click Submit. 13. On the Orders for Signature screen, click Sign. 14. After signing: \$ 1 7 Order Name Status Details ⊿ Medications the medication is ordered  $\checkmark$ 📷ថ aztreonam (Aztreonam (Azactam) PNA) (Aztreonam 2 ... Ordered Dose = 2 G. IV. Once. Ord 🗹 🍗🐨 vancomycin (Vancomycin Inj PNA) Ordered Dose = 1,500 MG, IV, Onc a beta lactam allergy indication is added 🗹 🍺 🚾 AZITHromycin (AZITHromycin (Zithromax) Inj PNA) Dose of 500 MG, IV, Once Ordered ⊿ Non Categorized 66 Impression: CAP NON ICU Completed 02/02/2015 15:13 the clinical impression is added as a 🔲 66 Beta Lactam Allergy - Yes (Beta Lactam Allergy - Severe) Completed 02/02/2015 15:13 diagnosis. The Diagnosis is automatically added to the Past Medical Hx (Problems) control on the ED Note Workflow. Past Medical Hx (Problems) Classification: All Add new as: This Visit Q Record "No Chronic Problems" Problems (1) This Visit 🦻 Pneumonia, Organism Unspecified (486)

Comment:

02/02/2015 03:14 pm - SYSTEM, SYSTEM Community Acquired Pneumonia Non ICU

Hovering over the sticky note displays the comment that indicates your clinical impression.