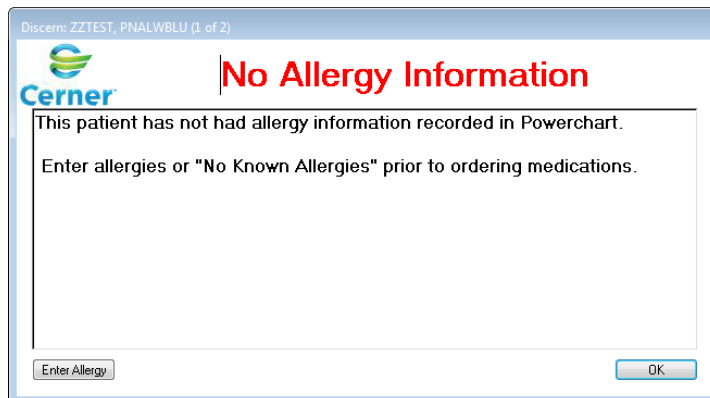


**New tool:** When providers order IV anti-infectives for an emergency patient (18 years or older), a new clinical decision support tool will determine if you suspect pneumonia as the diagnosis and assist you in choosing the correct antibiotic for treatment based on the patient's allergy profile. This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



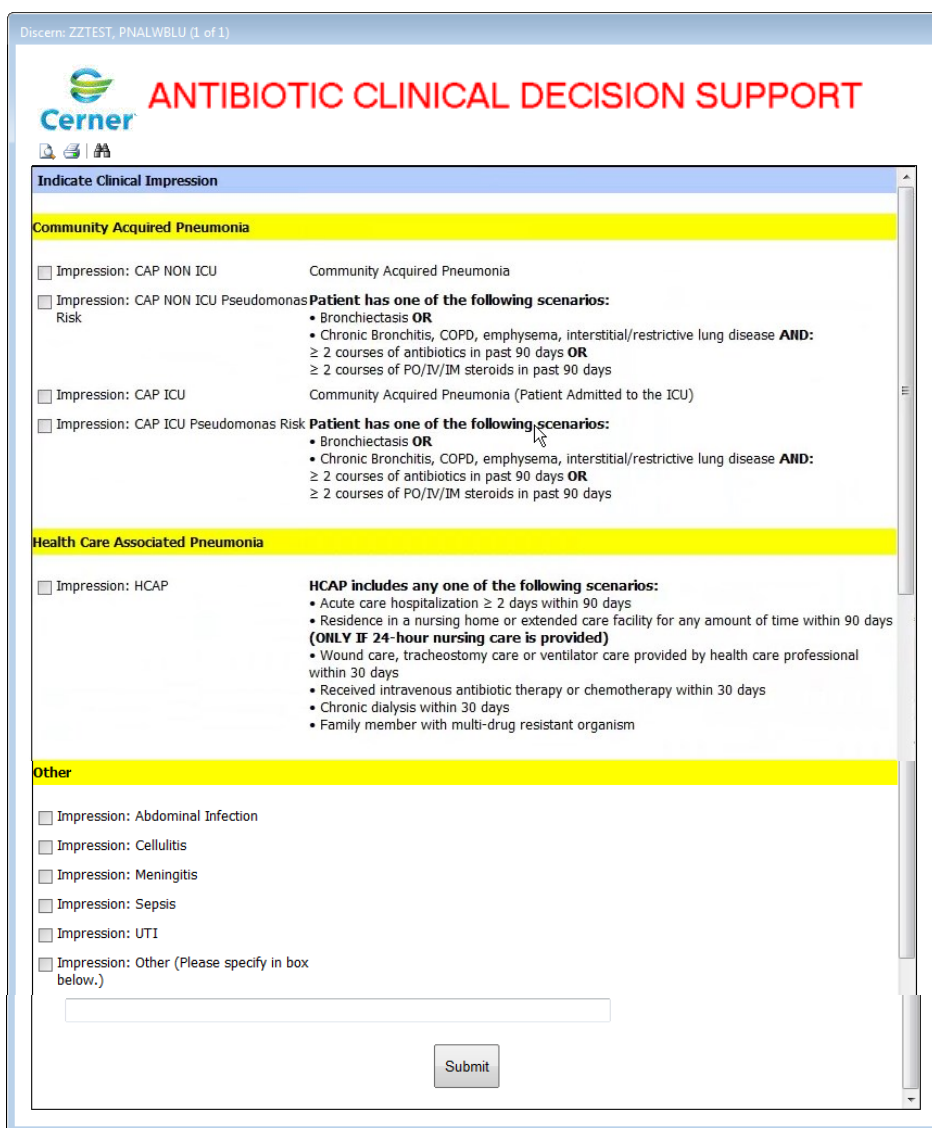
3. When allergies are documented, the Indicate Clinical Impression screen appears.
4. Indicate whether your clinical impression is:

- 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.

6. Next, if the patient has a beta lactam allergy, indicate the severity of the allergy.

7. Click Submit.

8. Based on the diagnosis and allergy indications, the tool will provide recommended courses of treatment.

9. Select the course by checking the box next it.

10. If Vancomycin is clinically indicated and selected, provide a reason from the dropdown. Options include:

- MSRA Suspected
- Empyema Present
- Cavitory Pneumonia
- Concern for Bacterial PNA with Influenza

11. You can Opt Out of the recommended guideline, but must provide a reason in the field.


12. Click Submit.

13. On the Orders for Signature screen, click Sign.

14. After signing:

- the medication is ordered
- a beta lactam allergy indication is added
- the clinical impression is added as a diagnosis.

Discern: ZZTEST, PNA6 BLU (1 of 1)

 **PNEUMONIA CLINICAL DECISION SUPPORT**


Does the patient have a **SEVERE** IgE mediated  $\beta$  lactam allergy? (E.g. anaphylaxis, hives, swelling, shortness of breath, edema)

☐ Yes - SEVERE Beta Lactam Allergy

☐ No - SEVERE Beta Lactam Allergy

☐ Unknown - SEVERE Beta Lactam Allergy

Discern: zzEBOS, Su (1 of 1)

 **PNEUMONIA CLINICAL DECISION SUPPORT**

Below is the recommended course of treatment based on CCHS Pneumonia Guidelines. Please make a selection.

**CAP ICU with SEVERE Beta Lactam Allergy**

☐ LevoFLOxacin (Levaquin) Inj Dose = 750 mg IV once

**If Vancomycin IV is clinically indicated, select Vancomycin IV and the reason below:**

☐ Vancomycin Inj IV

☐ Order Indication For Vancomycin IV

Please specify Vancomycin reason:

**If fluoroquinolone allergic then:**

☐ Aztreonam (Azactam) Dose = 2 G, IV, once






☐ AZITHromycin (Zithromax) Inj Dose = 500 MG, IV, once

☐ Vancomycin Inj IV

**If you choose to not to follow these guidelines, Select Opt Out and indicate the reason below:**

☐ Opt Out:

Please specify opt out reason:

\$	▲ ▼	Order Name	Status	Details
Medications				
<input checked="" type="checkbox"/>		aztreonam (Aztreonam (Azactam) PNA) (Aztreonam 2 ...	Ordered	Dose = 2 G, IV, Once, Orde
<input checked="" type="checkbox"/>		vancomycin (Vancomycin Inj PNA)	Ordered	Dose = 1,500 MG, IV, Once
<input checked="" type="checkbox"/>		AZITHromycin (AZITHromycin (Zithromax) Inj PNA)	Ordered	Dose of 500 MG, IV, Once,
Non Categorized				
<input type="checkbox"/>		Impression: CAP NON ICU	Completed	02/02/2015 15:13
<input type="checkbox"/>		Beta Lactam Allergy - Yes (Beta Lactam Allergy - Severe)	Completed	02/02/2015 15:13


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

Problems (1) ☐ Record "No Chronic Problems"

Pneumonia, Organism Unspecified (486) This Visit 

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.