

PNEUMONIA SEVERITY SCORE	
Demographic Factors:	Score
Male	Age
Female	Age -10
Nursing home resident	+10
Coexisting Illnesses: (see definitions)	
Neoplastic disease	+30
Liver disease	+20
Congestive heart disease	+10
Cerebrovascular disease	+10
Renal disease	+10
Physical Examination Findings:	
Altered mental status	+20
Respiratory rate ≥ 30 /min	+20
Systolic blood pressure < 90 mmHg	+20
Temperature $< 35^{\circ}\text{C}$ or $\geq 40^{\circ}\text{C}$	+15
Pulse ≥ 125 /min	+10
Laboratory and Radiographic Findings:	
Arterial pH < 7.35 (do ABG if hypoxic or COPD)	+30
Urea ≥ 11 mmol/L	+20
Sodium < 130	+20
Glucose ≥ 14 mmol/L	+10
PaO ₂ < 60 mmHg or O ₂ Sat $< 90\%$	+10
Pleural effusion	+10

Adapted from Fine MJ, Auble TE, Yealy DM et.al. A prediction rule to identify low risk patients with CAP. NEJM 1997;336:243-50.

Definitions of Co-Existing Illness

Neoplastic Disease: cancer; (except basal or squamous cell carcinoma of the skin), active at presentation or within one year of presentation for CAP.

Liver Disease: clinical or histologic diagnosis of cirrhosis or chronic active hepatitis

Congestive Heart Failure: systolic or diastolic dysfunction documented by history, physical exam or prior investigations

Cerebrovascular Disease: diagnosis of stroke or TIA, clinically or as suggested by imaging

Renal Disease: chronic renal disease or abnormal urea/creatinine documented

Altered Mental Status: stupor, coma, or disorientation as to person, place or time that is known not to be chronic

Appendix 1 (a)



CLINICAL PRACTICE GUIDELINES FOR ADULT COMMUNITY-ACQUIRED PNEUMONIA (CAP)

Criteria for Pneumonia Pathway (at least two)

- Clinical signs of pneumonia with evidence of consolidation on physical examination (crackles, dullness to percussion, egophony)
- New pulmonary infiltrate in CXR compatible with pneumonia
- At least two of:
 - fever
 - cough
 - pleuritic chest pain
 - shortness of breath
 -

Exclusion Criteria for CAP Pathway

- HIV/AIDS with a CD4 count ≤ 200
- Transplantation (solid organ or bone marrow)
- Immunosuppressive drugs (including prednisone ≥ 10 mg/day for ≥ 2 months)
- Hematological malignancy
- Suspicion or diagnosis of tuberculosis
- Cystic fibrosis
- Hospitalization within the last 14 days
- ICU admission