

PNEUMONIA SEVERITY INDEX FOR COMMUNITY-ACQUIRED PNEUMONIA

Risk factor	Points
Demographics	
Men	Age (years): ____
Women	Age (years) - 10: ____
Nursing home resident	+10
Comorbidities	
Neoplasm	+30
Liver disease	+20
Heart failure	+10
Stroke	+10
Renal failure	+10
Physical examination findings	
Altered mental status	+20
Respiratory rate \geq 30 breaths per minute	+20
Systolic blood pressure $<$ 90 mm Hg	+20
Temperature $<$ 95°F (35°C) or \geq 104°F (40°C)	+15
Pulse rate \geq 125 beats per minute	+10
Laboratory and radiographic findings	
Arterial pH $<$ 7.35	+30
Blood urea nitrogen $>$ 30 mg per dL	+20
Sodium $<$ 130 mmol per L	+20
Glucose \geq 250 mg per dL	+10
Hematocrit $<$ 30 percent	+10
Partial pressure of arterial oxygen $<$ 60 mm Hg	+10
Pleural effusion	+10
Total points:	

Point total	Risk class	Deaths/total (%)		Recommendation†
		Adults with CAP*	Nursing home patients with CAP ¹	
$<$ 51	I	3/1,472 (0.2)	None	Outpatient therapy should be considered, especially for patients in classes I and II
51 to 70	II	7/1,374 (0.5)	None	
71 to 90	III	41/1,603 (2.6)	1/21 (4.8)	
91 to 130	IV	149/1,605 (9.3)	6/50 (12.0)	Patient should be hospitalized
$>$ 130	V	109/438 (24.9)	28/85 (32.9)	

*—Data for community-acquired pneumonia (CAP) are weighted averages from validation studies.^{2,4}

†—Recommendations are consistent with clinical guidelines.^{5,6} Clinical judgment may overrule the guideline recommendation.

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4. Flanders WD, Tucker G, Krishnadasan A, Martin D, Honig E, McClellan

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