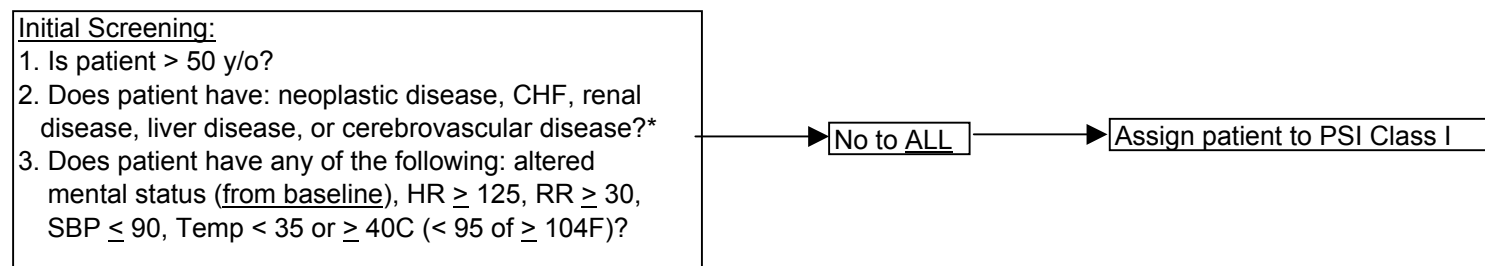


# PNEUMONIA SEVERITY INDEX (PSI) CLASSIFICATION ALGORITHM



Yes to ANY

Assign patient to PSI Class II - V based on the point total

Characteristic	Points Assigned
<b>Demographics</b>	
Age	
Men	age in years
Women	(age - 10) in years
Nursing home resident	+10
<b>Coexisting disease*</b>	
Neoplastic disease	+30
Liver disease	+20
CHF	+10
Cerebrovascular disease	+10
Renal disease	+10
<b>Exam findings</b>	
Altered mental state (from baseline)	+20
Resp rate $\geq$ 30/min	+20
Systolic BP < 90 mm Hg	+20
Temp < 35 or $\geq$ 40C (< 97 or $\geq$ 104F)	+15
Pulse > 125/min	+10
<b>Laboratory/radiographic findings:</b>	
Arterial pH < 7.35	+30
BUN $\geq$ 30 mg/dL	+20
Sodium < 130 mEq/L	+20
Glucose $\geq$ 250 mg/dL	+10
Hematocrit < 30%	+10
PaO <sub>2</sub> < 60 mm Hg or O <sub>2</sub> Sat < 90%	+10
Pleural effusion	+10

PSI Class	Point Total
I	no predictors
II	$\leq$ 70 points
III	71-90 points
IV	91-130 points
V	>130 points

\* Definitions of coexisting diseases:  
 Neoplastic disease = cancer other than basal - or squamous-cell skin cancer, active at or diagnosed within 1 year of presentation  
 Liver disease = cirrhosis or other chronic liver disease (eg. chronic active hepatitis)  
 CHF = history of systolic or diastolic dysfunction  
 Cerebrovascular disease = history of stroke or TIA  
 Renal disease = history of chronic renal disease or elevated BUN or creatinine previously documented