

# Pneumonia Severity Scores

## **CURB-65**

Lim WS et. al. Thorax 2003; 58: 377-382

		Score
<b>C</b>	Confusion	1
<b>U</b>	Urea >7 mmol/L	1
<b>R</b>	Resp. $\geq$ 30	1
<b>Bp</b>	Syst. $\leq$ 90mmHg or Diast. $\leq$ 60	1
<b>65 yr</b>	Age > 65 yr.	1

<b>CURB-65 Score</b>	<b>Risk Group</b>	<b>30-day mortality</b>	<b>Management</b>
0-1	1	1.5%	Home
2	2	9.2%	Likely to need admission
3-5	3	22%	Admit. Manage as severe.

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## **Pneumonia Severity Index**

Fine MJ et. al N engl J Med 1997; 336: 243-250

<b>Pneumonia Seveiry Index (PSI) Scoring System</b>		
<b>Score</b>	<b>PSI Risk Class</b>	<b>30-day mortality</b>
PSI Risk Class 1 = Age >50 & NO - Malignancy, CCF, Cerebro-vasc, Renal or Liver disease & Normal Mental state, P<125, Resp <30, Syst BP >90, Temp 35-40C.		
	1	0.1%
$\leq$ 70	2	0.6%
71-90	3	0.9%
91-130	4	9.3%
>130	5	27%

<b>Pneumonia Seveiry Index (PSI) Scoring System</b>	
<b>Characteristic</b>	<b>Points</b>
Age – Men	Yrs.
Age – Women	Yrs. – 10
Nursing Home Resident	10
<b>Co-morbidity</b>	
Neoplastic disease	10
Liver disease	20
CCF	10
Cerebro-vasc. Disease	10
Renal disease	10
<b>Examination</b>	
Altered mental state	20
Resp. $\geq 30$	20
Syst BP $<90$	20
Temp $<35$ or $\geq 40C$	15
Pulse $\geq 125$	10
<b>Investigations</b>	
Arterial pH $< 7.35$	30
Urea $\geq 11$ mmol/L	20
Na $<130$	20
Glucose $\geq 14$	10
Hct $<30\%$	10
PaO <sub>2</sub> $<60$ mmHg or SaO <sub>2</sub> (air) $< 90\%$	10
Pleural effusion	10