Figure S1   **Flow chart of the inclusion process of the study population**

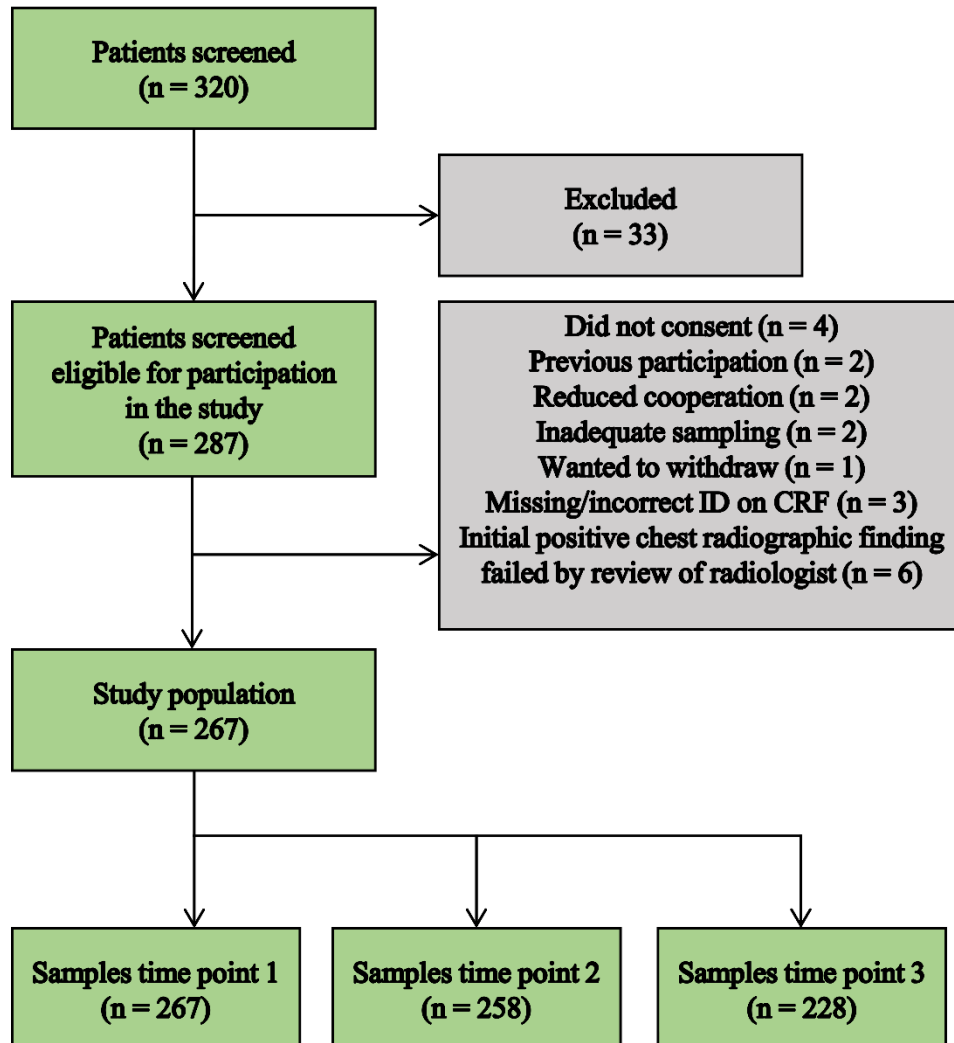Abbreviations: CRF, case record file; ID, identification.

Table S1   Baseline characteristics of 267 hospitalized patients with community-acquired pneumonia

Characteristics	Patients	Missing data
Demographics		
Age, (years)	66 (52-78)	
Male gender, n (%)	140 (52.4)	
Active smoker, n (%)	65 (24.4)	1
Nursing home resident, n (%)	4 (1.5)	
Comorbid conditions, n (%)	172 (64.4)	
Cardiovascular disease[a]	74 (27.7)	
COPD	60 (22.5)	
Immunocompromised[b]	48 (18.0)	
Autoimmune disease[c]	34 (12.7)	
Diabetes mellitus	33 (12.4)	
Renal disease	32 (12.0)	
Neurological disease[d]	19 (7.1)	
Dementia	15 (5.6)	
Liver disease	4 (1.5)	
Vaccination status, n (%)		
Influenza vaccination (<1 year)	66 (33.3)	69
Pneumococcal vaccination (<10 years)	25 (12.5)	68
Severity of illness, n (%)		
CURB-65 ≥3	97 (37.9)	11
ICU admission	48 (18.0)	
Etiology, n (%)		

Bacterial	75 (28.1)
Viral	41 (15.4)
Viral-bacterial	51 (19.1)
Unknown	100 (37.5)

Data are presented as medians (25th - 75th percentile) or No. (%). Abbreviations: COPD, chronic obstructive pulmonary disease; CURB-65, Confusion, Urea, Respiratory rate, Blood pressure, Age≥65; ICU, intensive care unit.

[a]Heart failure, coronary heart disease, cerebrovascular disease and/or peripheral artery disease.

[b]Primary or secondary immunodeficiency, active malignancy, immunosuppressive drugs.

[c]Rheumatoid arthritis, systemic lupus erythematosus, inflammatory bowel disease, autoimmune hepatitis, Sjogren's disease, psoriasis.

[d]Central nervous disease, neuromuscular disease.

Table S2   Biomarker levels at hospital admission in 267 hospitalized patients with community-acquired pneumonia, stratified by short-term outcome

Biomarker	Adverse outcome (n = 215)	Non-adverse outcome (n = 51)	*p-value*
WBC (10^9/L)	12.2 (9.6-16.9)	12.2 (9.1-16.4)	0.792
CRP (mg/L)	249 (161-313)	213 (143-284)	0.072
PCT (ng/mL)	2.98 (0.52-6.79)	0.56 (0.20-3.33)	0.001
Calprotectin (ug/L)	3804 (2329-5776)	4125 (2855-5259)	0.754
PTX3 (ng/mL)	7.47 (4.41-10.69)	4.23 (2.31-7.42)	<0.001
Presepsin (ng/mL)	132.2 (36.3-345.3)	42.1 (20.0-136.9)	0.002

Data presented as medians (25th-75th percentile). Missing data on outcome in 1 patient.

Comparison performed with Mann-Whitney U test. Abbreviations: CRP, C-reactive protein, PCT, procalcitonin, PTX3, pentraxin 3, WBC, white blood cells