Appendix 1. Variables used for each model

Variable	CURB–65	CURB–RF	E–CURB–RF
Age	○	○	○
Sex	–	–	○
BMI (kg/m²)	–	–	○
Nursing home residence	–	–	○
SBP (mmHg)	○	○	○
DBP (mmHg)	○	○	○
Heart rate (/min)	–	–	○
Respiratory rate (/min)	○	○	○
Body temperature (°C)	–	–	○
SpO2 (%)	–	–	○
Presence of confusion	○	○	○
Respiratory support	–	–	○
Type of Pneumonia	–	–	○
Pleural effusion on radiology	–	–	○
WBC (×10³/μL)	–	–	○
Segmented neutrophils (%)	–	–	○
ANC (×10³/μL)	–	–	○
Hemoglobin (g/dL)	–	–	○
Platelet (×10³/μL)	–	–	○
Potassium (K⁺) (mmol/L)	–	–	○
PT (INR)	–	–	○
BUN (mg/dL)	○	○	○
Creatinine (mg/dL)	–	–	○
Glucose (mg/dL)	–	–	○
Protein (g/dL)	–	–	○
Albumin (g/dL)	–	–	○
Bilirubin (mg/dL)	–	–	○
D-dimer (ug/mL)	–	–	○
Total CO2 (mmol/L)	–	–	○
NT-pro BNP (pg/mL)	–	–	○
Lactic acid (mmol/L)	–	–	○
C-reactive protein (mg/dL)	–	–	○
Procalcitonin (ng/mL)	–	–	○
pH (ABGA) (pH)	–	–	○
pCO2 (ABGA) (mmHg)	–	–	○
Hypertension	–	–	○
Diabetes mellitus	–	–	○
Chronic lung disease	–	–	○
Chronic liver disease	–	–	○
Congestive heart failure	–	–	○
Cerebrovascular accident	–	–	○
Chronic kidney disease	–	–	○
Lung cancer	–	–	○
Solid cancer except lung cancer	–	–	○
Lung metastasis	–	–	○
Hematologic malignancy	–	–	○
Lymphoma	–	–	○

BMI, body mass index; SBP, systolic blood pressure; DBP, diastolic blood pressure; SpO2, peripheral capillary oxygen saturation; WBC, white blood cell; ANC, absolute neutrophil count; PT, prothrombin time; INR, international normalized ratio; BUN, blood urea nitrogen; NT-pro BNP, N-terminal pro b-type natriuretic peptide; ABGA, arterial blood gas analysis.