

**Supplementary Table 2.** Feature Importance to the ICU Score (Gradient Boosting Machine Learning Model) for the Prediction of Patients Requiring Intensive Care

Feature	Relative importance
ADL score 0	238.687
Age	226.385
No dyspnea	187.690
Initial body temperature	87.814
ADL score 2	67.042
Female	33.186
Dyspnea	29.291
Male	18.327
No chronic kidney disease	18.250
Normal mentality	11.669
Ex-smoker	9.760
No headache	9.574
No dementia	9.030
No chronic cardiac disease	8.052
No hemoptysis	7.680
Not fatigued	6.414
No hypertension	6.322
Hypertension	6.269
Heart failure	5.943
Diabetes	5.231
Current smoker	5.066
No sore throat	4.563
Dementia	4.303
Chronic kidney disease	4.262
No heart failure	4.113
No cancer	3.917
No chronic hematologic disorder	3.749
No COPD	3.745
Headache	3.661
Chronic hematologic disorder	3.650
No nausea or vomiting	3.542
No chest pain	3.459
Sore throat	3.347
No cough	3.233
Hemoptysis	2.677
No diabetes	2.032
Nausea or vomiting	1.628
No diarrhea	1.591
Chronic cardiac disease	1.545
No chronic neurologic disorder	1.460
Chest pain	1.252
No smoking	1.245
Rhinorrhea	1.208
No sputum	1.193
No myalgia	1.164
Altered mentality	1.114
Asthma	1.112
Diarrhea	1.038
ADL score 1	1.020
No rhinorrhea	0.930
Fatigued	0.915
Cough	0.914
Cancer	0.779
Chronic liver disease	0.763
Myalgia	0.763
Sputum	0.509
COPD	0.497
No chronic liver disease	0.470
Chronic neurologic disorder	0.080
No asthma	0.054

ICU, intensive care unit; ADL, activities of daily living; COPD, chronic obstructive pulmonary disease.

ADL score is expressed from 0 to 2, with 0 being independent, 1 being partially dependent, and 2 being total dependent on others.