

Supplemental Table 1. Performance of the machine learning algorithms to predict mortality in the external dataset [n=7138].

| Survival model | 1-year survival Mean (SEM) | 3-year survival Mean (SEM) |
|----------------|--------------------------------|--------------------------------|
| Penalized Cox | 0.699 (7.0 X10 ⁻³) | 0.688 (5.7 X10 ⁻³) |
| Random Forest | 0.723 (6.2 X10 ⁻³) | 0.712 (4.8 X10 ⁻³) |
| XGBoost | 0.729 (6.1 X10 ⁻³) | 0.715 (5.9 X10 ⁻³) |