

Supplementary Table 4. Improvement of reclassification and discrimination of 28-day mortality with individual laboratory parameters to APACHE II scores

| Model | C-statistics (95% CI) | Model performance compared to baseline model | | | | | |
|--------------------------------|--------------------------|--|---------|----------------------|---------|------------------|---------|
| | | Δ C-statistics (95% CI) | p-value | NRI (95% CI) | p-value | IDI (95% CI) | p-value |
| APACHE II | 0.65 (0.63–0.67) | - | - | - | - | - | - |
| APACHE II + platelet count | 0.68 (0.66–0.70) | 0.03 (0.02–0.04) | <0.001 | 0.24 (0.19 to 0.29) | <0.001 | 0.06 (0.04–0.09) | <0.001 |
| APACHE II + neutrophil count | 0.66 (0.64–0.68) | 0.00 (0.00–0.01) | 0.05 | 0.09 (0.00 to 0.15) | 0.04 | 0.01 (0.00–0.02) | 0.03 |
| APACHE II + albumin | 0.67 (0.65–0.69) | 0.02 (0.01–0.03) | <0.001 | 0.17 (0.12 to 0.23) | <0.001 | 0.03 (0.02–0.05) | <0.001 |
| APACHE II + C-reactive protein | 0.65 (0.63–0.67) | 0.00 (0.00–0.00) | 0.96 | 0.02 (–0.07 to 0.07) | 0.41 | 0.00 (0.00–0.00) | 0.23 |
| APACHE II + lymphocyte count | 0.65 (0.63–0.67) | 0.00 (0.00–0.00) | 0.32 | 0.06 (–0.12 to 0.11) | 0.78 | 0.00 (0.00–0.00) | 0.59 |

APACHE II, Acute Physiology and Chronic Health Evaluation II; CI, confidence interval; IDI, integrated discrimination index; NRI, net reclassification index.