

Supplemental Material 2

Table S1. 28-day mortality in the sensitivity analyses

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	Hyperoxia	No hyperoxia	OR	95% CI
28-day mortality, %				
Generalized estimating equations*			2.46	1.37–4.40
Multivariate logistic regression**			2.36	1.11–5.01
IPW with further restriction***	28.6%	16.2%	1.96	1.13–3.41
IPW on confirmed sepsis****	27.6%	15.7%	1.90	1.09–3.30

OR = odds ratio, CI = confidence interval, and IPW = inverse probability weighting. *Logit link was used to account for clustering effects of place of sepsis diagnosis. **Final model included hyperoxia, age, comorbidity, frailty, degree of pulmonary dysfunction, PaO₂/FiO₂ ratio, lactate, and place of sepsis diagnosis. ***Number of patients were truncated with 5% reduction from the primary analysis using propensity score. ****Sepsis was confirmed using the sepsis-3 or septic shock at sepsis-2 criteria.