

**Table S1** Sensitivity analysis results before and after imputations

Variables	Sensitivity		Z	P
	Before (n=16,775)	After (n=16,775)		
WBC (k/ $\mu$ L), M (Q <sub>1</sub> , Q <sub>3</sub> )	9.40 (7.20, 12.30)	9.40 (7.20, 12.30)	0.095	0.925
BUN (mg/dL), M (Q <sub>1</sub> , Q <sub>3</sub> )	19.00 (13.00, 31.00)	19.00 (13.00, 31.00)	0.342	0.732
FIO <sub>2</sub> , M (Q <sub>1</sub> , Q <sub>3</sub> )	50.00 (40.00, 50.00)	50.00 (40.00, 50.00)	0.155	0.877
SOFA score, M (Q <sub>1</sub> , Q <sub>3</sub> )	6.00 (4.00, 8.00)	6.00 (4.00, 8.00)	-0.002	0.998
GCS score, M (Q <sub>1</sub> , Q <sub>3</sub> )	9.00 (5.00, 14.00)	9.00 (5.00, 14.00)	-0.359	0.720

WBC, white blood cell; BUN, blood urea nitrogen; FIO<sub>2</sub>, fraction of inspiration O<sub>2</sub>; SOFA, sequential organ failure assessment; GCS, Glasgow Coma Scale.