Supplementary Table 6. Sensitivity Analyses

Sensitivity analyses (Disease; Design type of included studies; Outcome; Risk level; Excluded study; Pooled value (Models))	RR, 95% CI	I^2	P
COVID-19; RCTs; Mortality; Non-high; Horby&Lim et al, 2020; RR (random-effect models)	0.88 [0.79; 0.97]	33%	0.02
COVID-19; RCTs; Mortality; Non-high; Not applicable; OR (random-effect models)	0.82 [0.74; 0.91]	30%	p<.001
COVID-19; RCTs; Mortality; Non-high; Not applicable; RR (fixed-effect models)	0.87 [0.81; 0.93]	26%	p<.001
COVID-19; RCTs; Mortality; Non-high; Edalatifard&Akhtari et al, 2020; RR (random-effect models)	0.88 [0.82; 0.94]	0%	p<.001
COVID-19; RCTs; Mortality; Non-high; the study reporting 7-day mortality, 2020; RR (random-effect models)	0.88 [0.82; 0.95]	26%	p<.001
COVID-19; RCTs; Mortality-including composite outcome; Non-high; Horby&Lim et al, 2020; RR (random-effect models)	0.84 [0.74; 0.95]	0%	0.005
COVID-19; RCTs; Mortality-including composite outcome; Non-high; Not applicable; OR (random-effect models)	0.75 [0.54; 1.03]	42%	0.08
COVID-19; RCTs; Mortality-including composite outcome; Non-high; Not applicable; RR (fixed-effect models)	0.92 [0.85; 0.99]	0%	0.03
COVID-19; Observational; Mortality; Low; Not applicable; RR (random-effect models)	0.68 [0.5; 0.94]	67%	0.02
COVID-19; Observational; Mortality; Low; Albani&Fusina et al, 2020; RR (random-effect models)	0.63 [0.45; 0.88]	68%	0.008
COVID-19; Observational; Mortality; Low; Not applicable; OR (random-effect models)	0.68 [0.5; 0.94]	67%	0.02
COVID-19; Observational; Mortality; Non-high; Not applicable; RR (random-effect models)	0.95 [0.77; 1.17]	96%	0.64
COVID-19; Observational; Mortality-including composite outcome; Low; Not applicable; RR (random-effect models)	0.44 [0.23; 0.85]	83%	0.01
COVID-19; Observational; Mortality-including composite outcome; Low; Not applicable; OR (random-effect models)	0.44 [0.23; 0.85]	83%	0.01
COVID-19; Observational; Mortality-including composite outcome; Non-high; Not applicable; RR (random-effect models)	0.69 [0.54; 0.88]	92%	0.003
COVID-19; RCTs&Observational; Mortality; Non-high; Not applicable; RR (random-effect models)	0.8 [0.69; 0.93]	88%	0.003
COVID-19; RCTs&Observational; Mortality-including composite outcome; Non-high; Not applicable; RR (random-effect models)	0.65 [0.47; 0.91]	98%	0.01
SARS; Observational; Mortality; Low; Not applicable; RR (fixed-effect models)	0.48 [0.29; 0.80]	10%	0.004
SARS; Observational; Mortality; Low; Not applicable; OR (random-effect models)	0.48 [0.29; 0.79]	10%	0.004
SARS; Observational; Mortality; Non-high; Not applicable; RR (random-effect models)	1.01 [0.63; 1.61]	99%	0.97
SARS; Observational; Mortality; Non-high; Studies reporting multiple glucocorticoids use; RR (random-effect models)	0.67 [0.45; 1]	97%	0.05

Abbreviations: OR, odds ratio; HR, hazard ratio; RR, risk ratio; CI, confidence interval; COVID-19, coronavirus disease 2019;

SARS, severe acute respiratory syndrome.