

Main Figures

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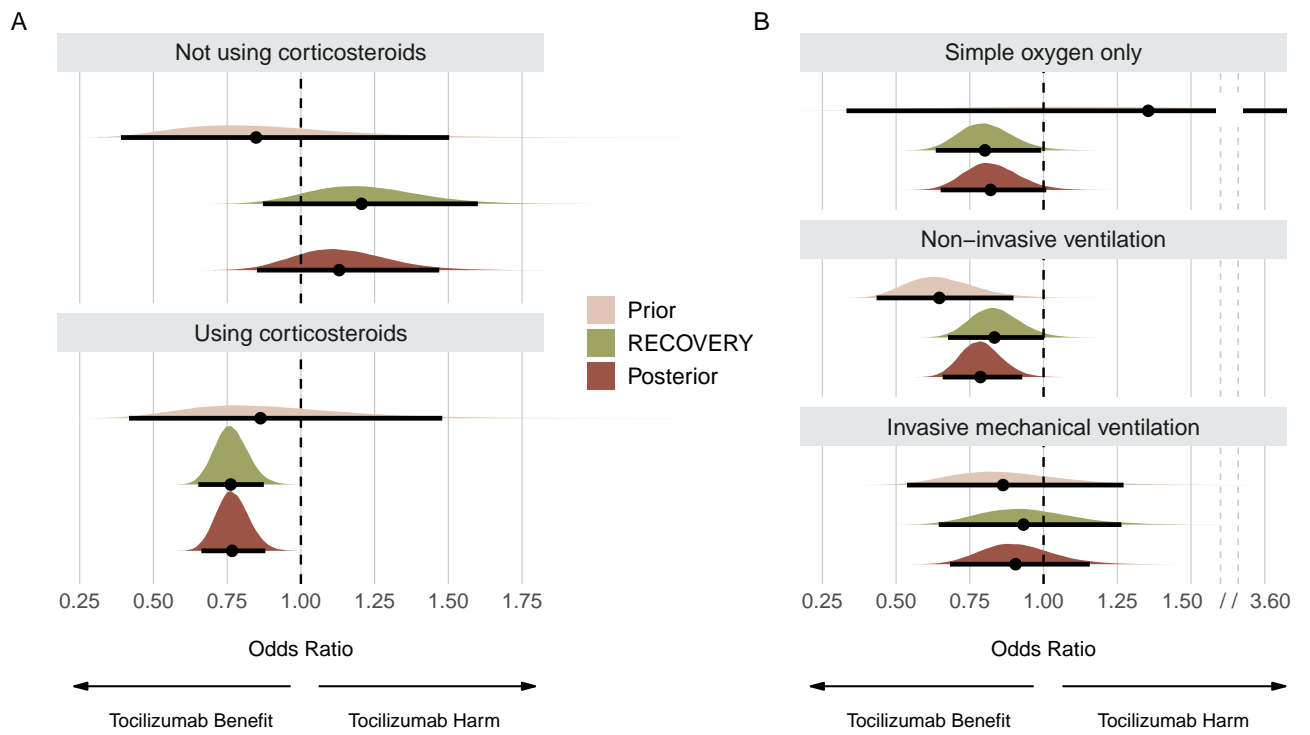
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All figures and tables in this document regards the mortality outcome.

Table 1

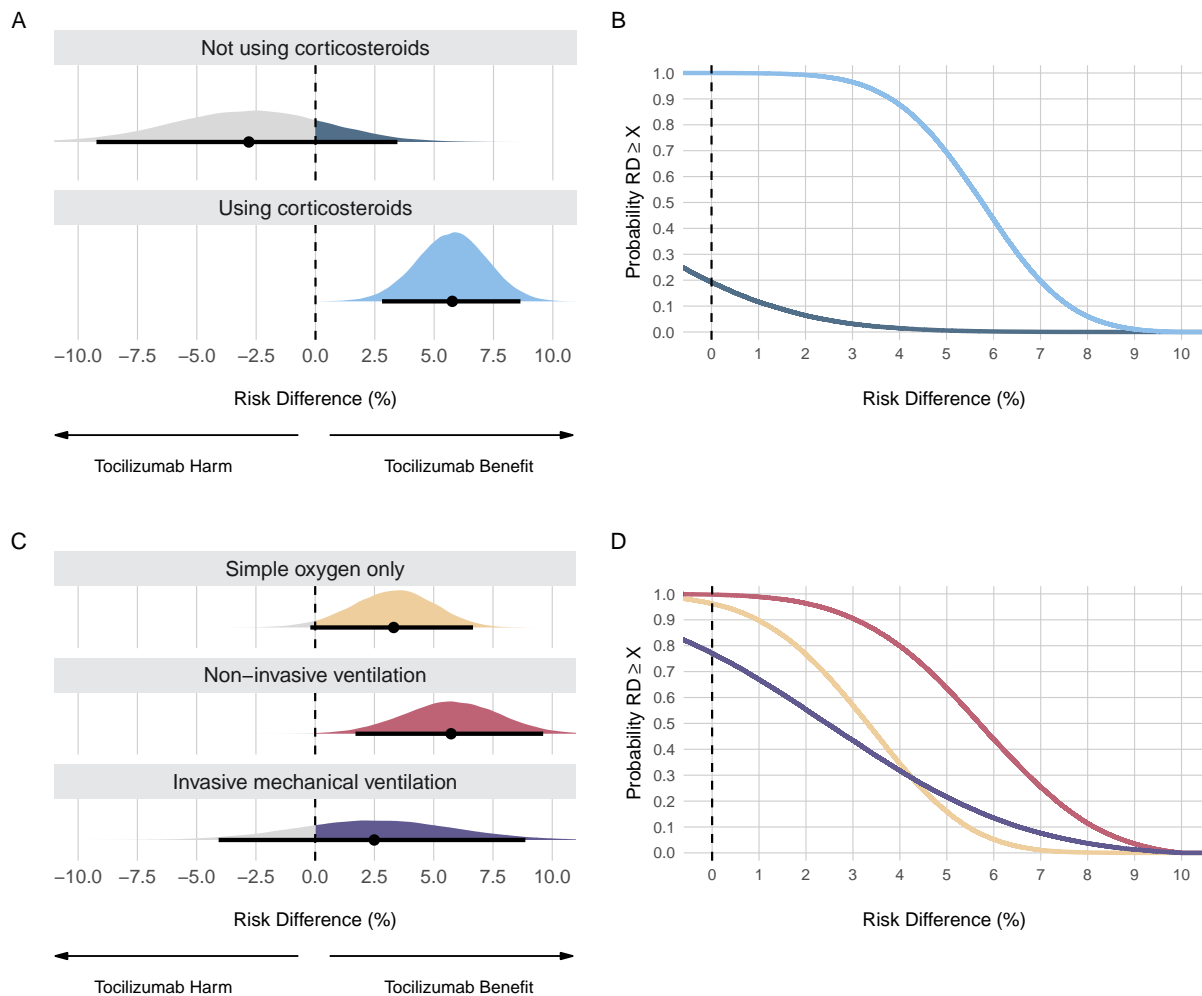
Study	Control			Tocilizumab		
	Events	Total	Risk (%)	Events	Total	Risk (%)
Not using corticosteroids						
RECOVERY	127	367	35	139	357	39
COVACTA	10	65	15	29	188	15
REMAP-CAP	9	36	25	6	37	16
Using corticosteroids						
RECOVERY	600	1721	35	482	1664	29
COVACTA	18	79	23	29	106	27
REMAP-CAP	134	361	37	102	358	28
Simple oxygen only						
RECOVERY	214	933	23	180	935	19
COVACTA	2	44	5	9	78	12
CORIMUNO-19	8	67	12	7	63	11
Non-invasive ventilation						
RECOVERY	366	867	42	310	819	38
COVACTA	12	39	31	18	94	19
REMAP-CAP	82	273	30	53	242	22
Salvarini	1	63	2	2	60	3
Invasive mechanical ventilation						
RECOVERY	149	294	51	131	268	49
COVACTA	14	55	25	31	113	27
REMAP-CAP	60	124	48	45	108	42

Figure 1



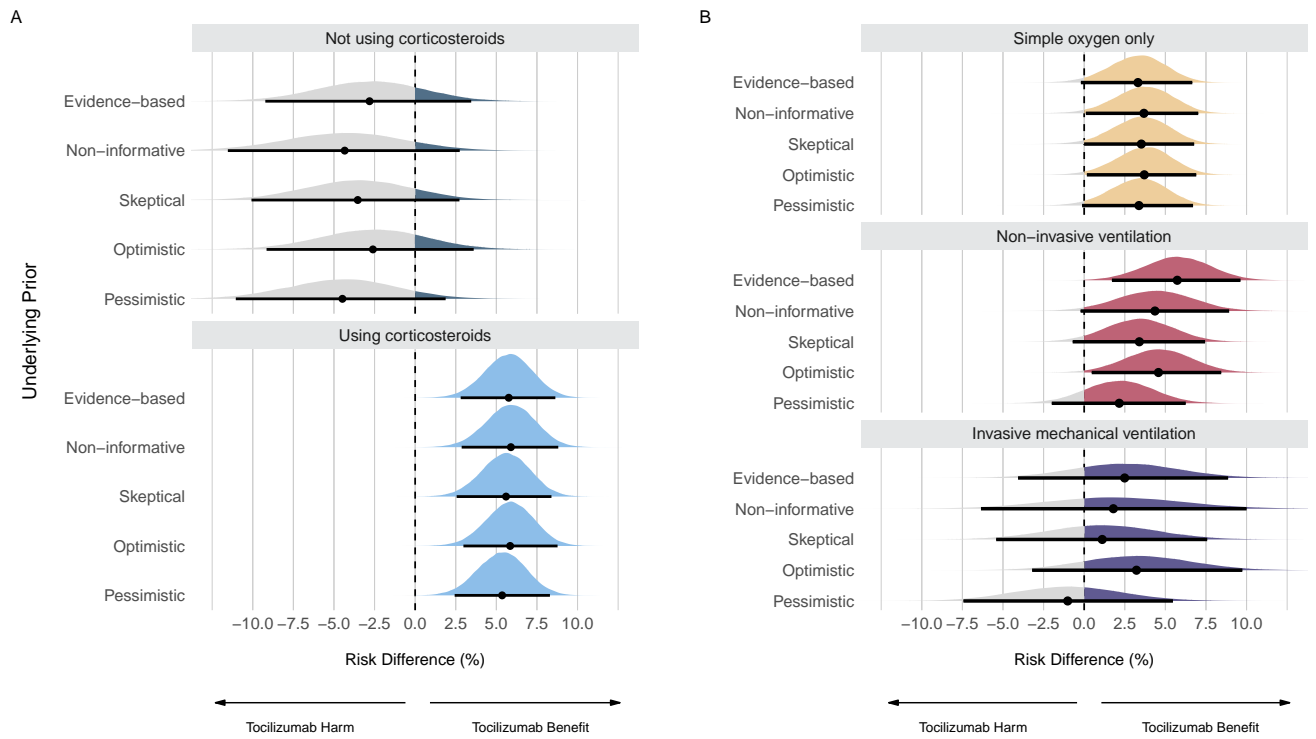
Point estimates depict the median and interval bars depict 95% highest density intervals.

Figure 2



Panels A and C: Point estimates depict the median. Interval bars depict the 95% highest density intervals. Panels B and D: Cumulative posterior distributions correspond to the probabilities that the risk difference (RD) is greater than or equal to the effect size on the X-axis. The colors in Panels B and D match the ones used in Panels A and C.

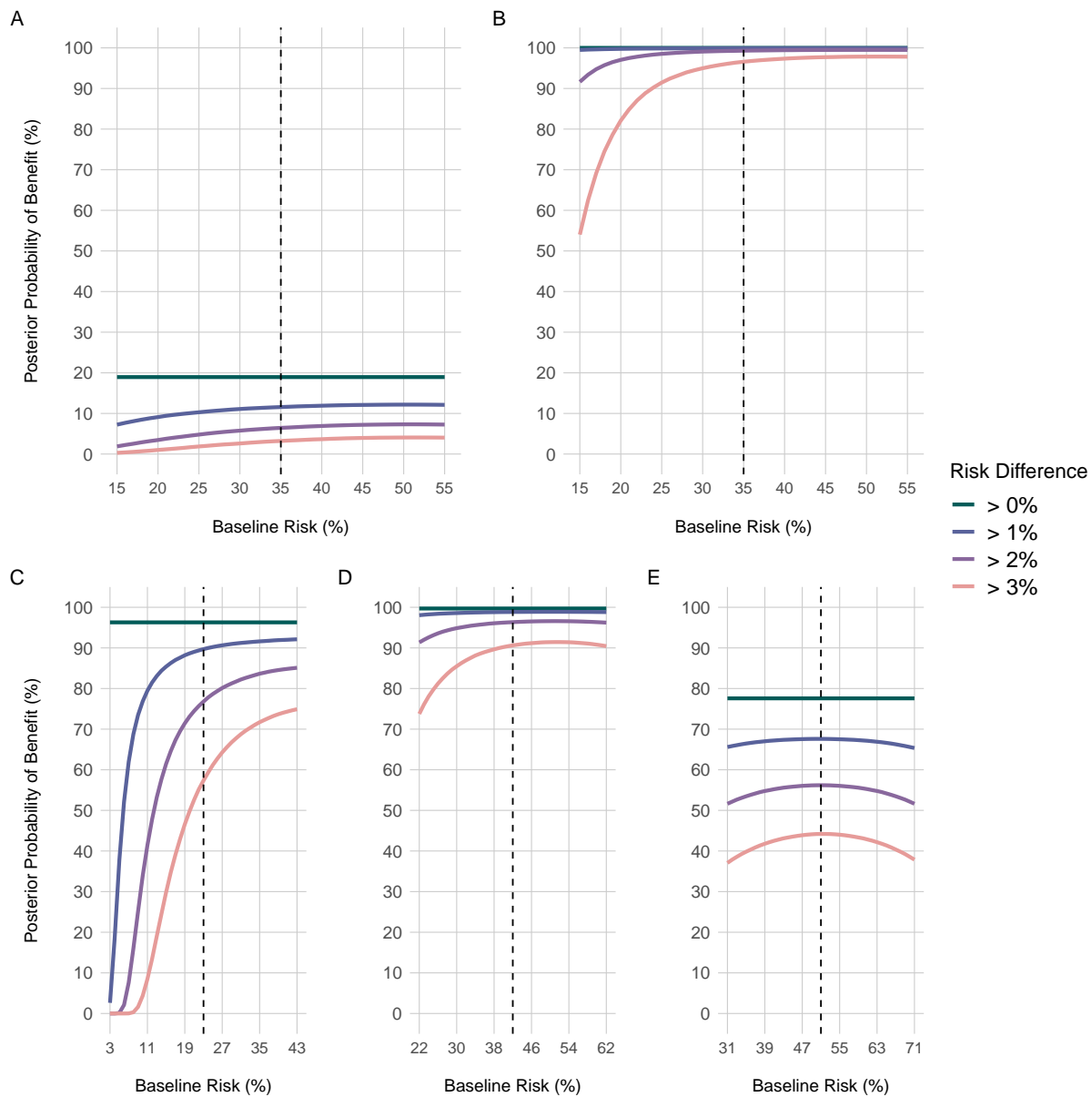
Figure 3



Posterior distributions from sensitivity analyses using different priors.

Point estimates depict the median. Interval bars depict the 95% highest density intervals.

Figure 4



Posterior probabilities from sensitivity analyses using multiple different baseline risks.

Each line represents the posterior probability of benefit for a specific cutoff, such as risk difference greater to 0%, 1%, 2% and 3%. Vertical black dashed lines represent the respective baseline risk underlying other analyses (Figure 2), i.e., risk in the control group in the RECOVERY trial for each subgroup (Table 1).

Panel A shows results for patients not using corticosteroids; Panel B shows results for patients using corticosteroids. Panel C shows results for simple oxygen only; Panel D shows results for non-invasive ventilation; Panel E shows results for invasive mechanical ventilation.