

Main Figures

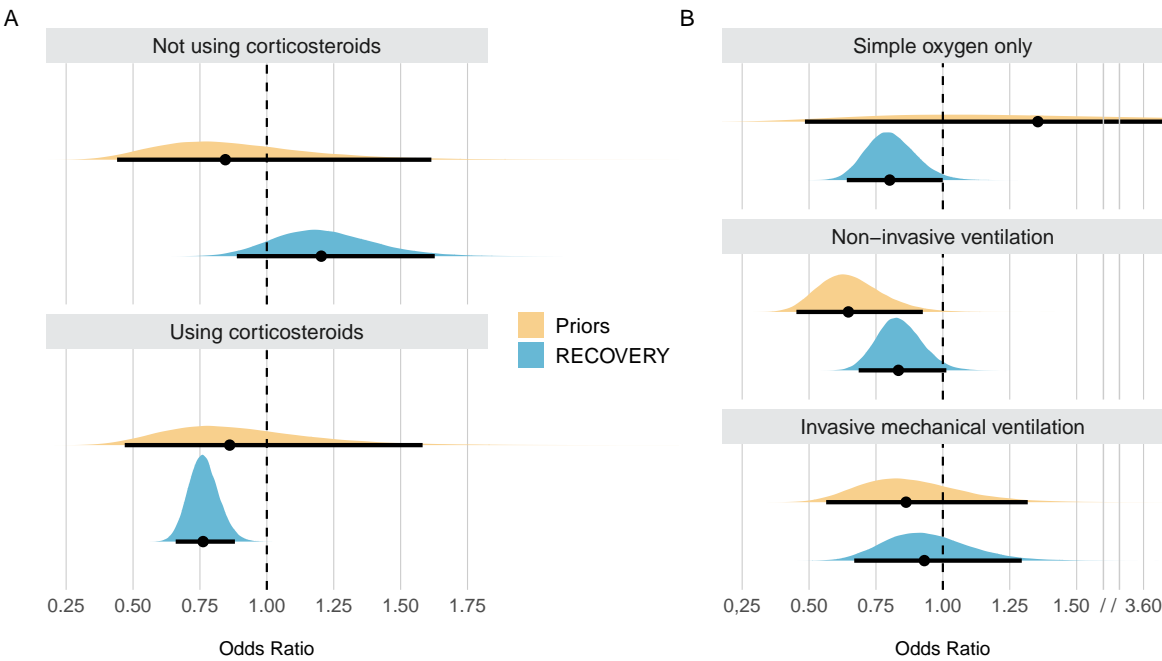
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Table 1

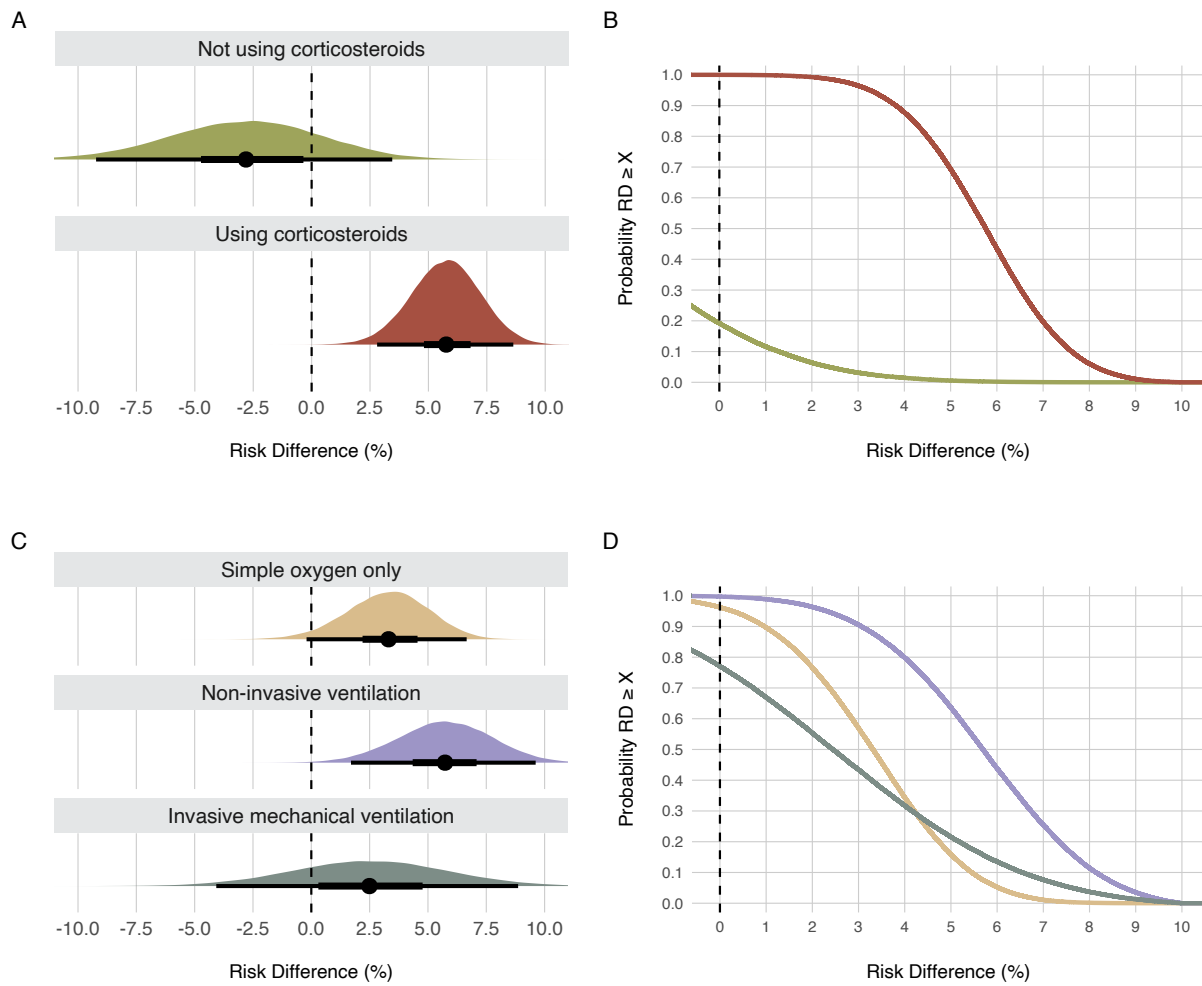
Subgroup	Number of studies	Priors						RECOVERY					
		Control			Tocilizumab			Control			Tocilizumab		
		Events	Total	Risk (%)	Events	Total	Risk (%)	Events	Total	Risk (%)	Events	Total	Risk (%)
Use of corticosteroids													
Not using	2	19	101	18.8	35	225	15.6	127	367	34.6	139	357	38.9
Using	2	152	440	34.5	131	464	28.2	600	1721	34.9	482	1664	29.0
Respiratory support													
Simple oxygen only	2	10	111	9.0	16	141	11.3	214	933	22.9	180	935	19.3
Non-invasive ventilation	3	95	375	25.3	73	396	18.4	366	867	42.2	310	819	37.9
Invasive mechanical ventilation	2	74	179	41.3	76	221	34.4	149	294	50.7	131	268	48.9

Figure 1



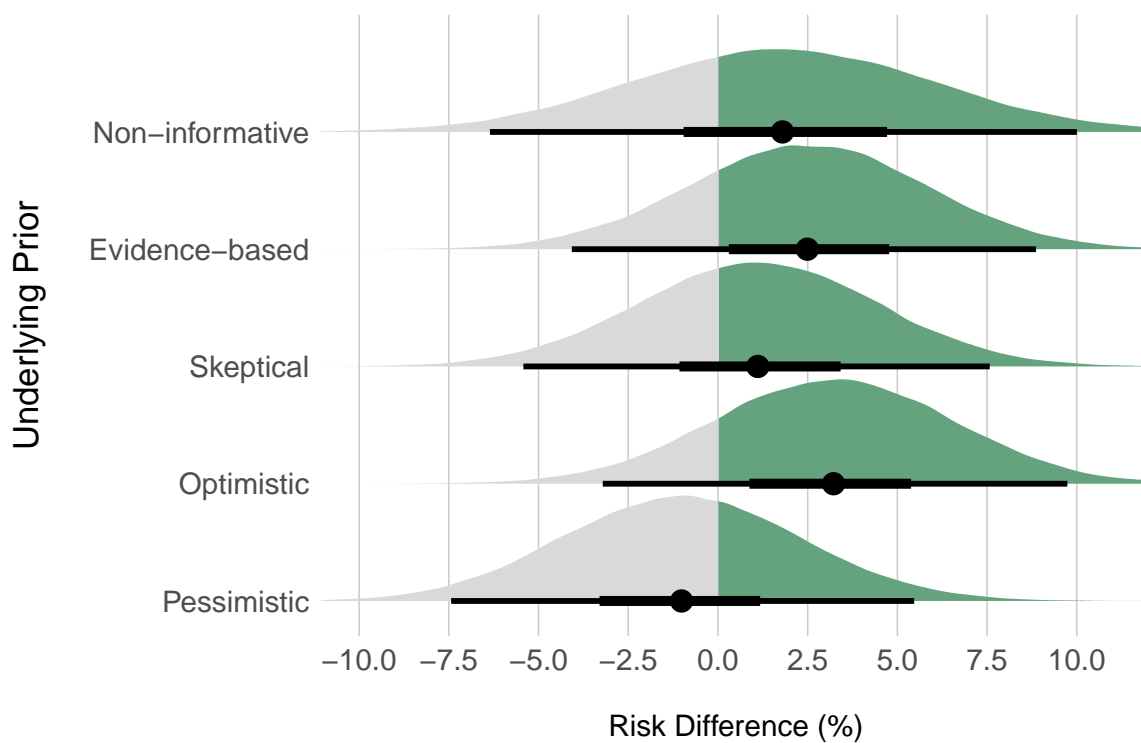
Point estimates depict the median and interval bars depict 95th quantiles.

Figure 2



Panels A and C: Point estimates depict the median. Interval bars depict the 50 and 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.

Figure 3



Point estimates depict the median. Interval bars depict the 50 and 95% highest density intervals.

Table 2

Underlying Prior	Probability of Harm			Probability of Benefit			
	Pr(< -5%)	Pr(< -2%)	Pr(< -1%)	Pr(> 0%)	Pr(> 1%)	Pr(> 2%)	Pr(> 5%)
Non-informative	5	18	25	67	58	48	22
Evidence-based	1	9	15	77	67	56	22
Skeptical	3	18	26	63	51	40	12
Optimistic	1	6	10	83	75	64	30
Pessimistic	11	38	50	38	27	18	4