

Systemic corticosteroids for COVID-19

Review information

Authors

[Empty name]¹

¹[Empty affiliation]

Citation example: [Empty name]. Systemic corticosteroids for COVID-19. Cochrane Database of Systematic Reviews [Year], Issue [Issue].

Characteristics of studies

Characteristics of included studies

CAPE COVID 2020

Methods	
Participants	
Interventions	
Outcomes	
Notes	

Risk of bias table

Bias	Authors' judgement	Support for judgement
Random sequence generation (selection bias)	Low risk	
Allocation concealment (selection bias)	Low risk	
Blinding of participants and personnel (performance bias)	Low risk	
Blinding of outcome assessment (detection bias)	Low risk	
Incomplete outcome data (attrition bias)	Low risk	
Selective reporting (reporting bias)	Low risk	
Other bias	Low risk	

CoDEX 2020

Methods	
Participants	
Interventions	
Outcomes	
Notes	

Risk of bias table

Bias	Authors' judgement	Support for judgement
Random sequence generation (selection bias)	Low risk	
Allocation concealment (selection bias)	Low risk	
Blinding of participants and personnel (performance bias)	Low risk	
Blinding of outcome assessment (detection bias)	Low risk	
Incomplete outcome data (attrition bias)	Low risk	
Selective reporting (reporting bias)	Low risk	
Other bias	Low risk	

COVID STEROID 2020

Methods	
Participants	
Interventions	
Outcomes	
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Risk of bias table

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Random sequence generation (selection bias)	Low risk	
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Blinding of participants and personnel (performance bias)	Low risk	
Blinding of outcome assessment (detection bias)	Low risk	
Incomplete outcome data (attrition bias)	Unclear risk	
Selective reporting (reporting bias)	Unclear risk	
Other bias	Low risk	

DEXA-COVID 19 2020

Methods	
Participants	
Interventions	
Outcomes	
Notes	

Risk of bias table

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Random sequence generation (selection bias)	Low risk	
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Incomplete outcome data (attrition bias)	Low risk	
Selective reporting (reporting bias)	Low risk	
Other bias	Low risk	

Edalatifard 2020

Methods	
Participants	
Interventions	
Outcomes	
Notes	

Risk of bias table

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Random sequence generation (selection bias)	Unclear risk	
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Blinding of participants and personnel (performance bias)	Unclear risk	
Blinding of outcome assessment (detection bias)	Unclear risk	
Incomplete outcome data (attrition bias)	Unclear risk	
Selective reporting (reporting bias)	Unclear risk	
Other bias	Unclear risk	

METCOVID 2020

Methods	
Participants	
Interventions	
Outcomes	
Notes	

Risk of bias table

Bias	Authors' judgement	Support for judgement
Random sequence generation (selection bias)	Unclear risk	
Allocation concealment (selection bias)	Unclear risk	
Blinding of participants and personnel (performance bias)	Unclear risk	
Blinding of outcome assessment (detection bias)	Unclear risk	
Incomplete outcome data (attrition bias)	Unclear risk	
Selective reporting (reporting bias)	Unclear risk	
Other bias	Unclear risk	

RECOVERY

Methods	
Participants	
Interventions	
Outcomes	
Notes	

Risk of bias table

Bias	Authors' judgement	Support for judgement
Random sequence generation (selection bias)	Low risk	
Allocation concealment (selection bias)	Low risk	
Blinding of participants and personnel (performance bias)	Low risk	
Blinding of outcome assessment (detection bias)	Low risk	
Incomplete outcome data (attrition bias)	Low risk	
Selective reporting (reporting bias)	Low risk	
Other bias	Low risk	

REMAP-CAP 2020

Methods	
Participants	
Interventions	
Outcomes	
Notes	

Risk of bias table

Bias	Authors' judgement	Support for judgement
Random sequence generation (selection bias)	Low risk	
Allocation concealment (selection bias)	Low risk	
Blinding of participants and personnel (performance bias)	Low risk	
Blinding of outcome assessment (detection bias)	Low risk	
Incomplete outcome data (attrition bias)	Low risk	
Selective reporting (reporting bias)	Low risk	
Other bias	Low risk	

Steroids-SARI 2020

Methods	
Participants	
Interventions	
Outcomes	
Notes	

Risk of bias table

Bias	Authors' judgement	Support for judgement
Random sequence generation (selection bias)	Unclear risk	Concerns about (i) the fixed block size within centres (which it might have been easy to deduce, despite the blinding)
Allocation concealment (selection bias)	Unclear risk	Concerns about (ii) the rather informal use of text messages to implement allocations.
Blinding of participants and personnel (performance bias)	Low risk	
Blinding of outcome assessment (detection bias)	Low risk	
Incomplete outcome data (attrition bias)	Low risk	
Selective reporting (reporting bias)	Low risk	
Other bias	Low risk	

Footnotes

Characteristics of excluded studies

Footnotes

References to studies

Included studies

CAPE COVID 2020

[*ClinicalTrials.gov: NCT02517489*]

[Empty]

CoDEX 2020

[*ClinicalTrials.gov: NCT04327401*]

[Empty]

COVID STEROID 2020

[*ClinicalTrials.gov: NCT04348305*]

[Empty]

DEXA-COVID 19 2020[\[ClinicalTrials.gov: NCT04325061\]](#)

[Empty]

Edalatifard 2020

[Empty]

METCOVID 2020[\[ClinicalTrials.gov: NCT04343729\]](#)

[Empty]

RECOVERY[\[ClinicalTrials.gov: NCT04381936\]](#)

[Empty]

REMAP-CAP 2020[\[ClinicalTrials.gov: NCT02735707\]](#)

[Empty]

Steroids-SARI 2020[\[ClinicalTrials.gov: NCT04244591\]](#)

[Empty]

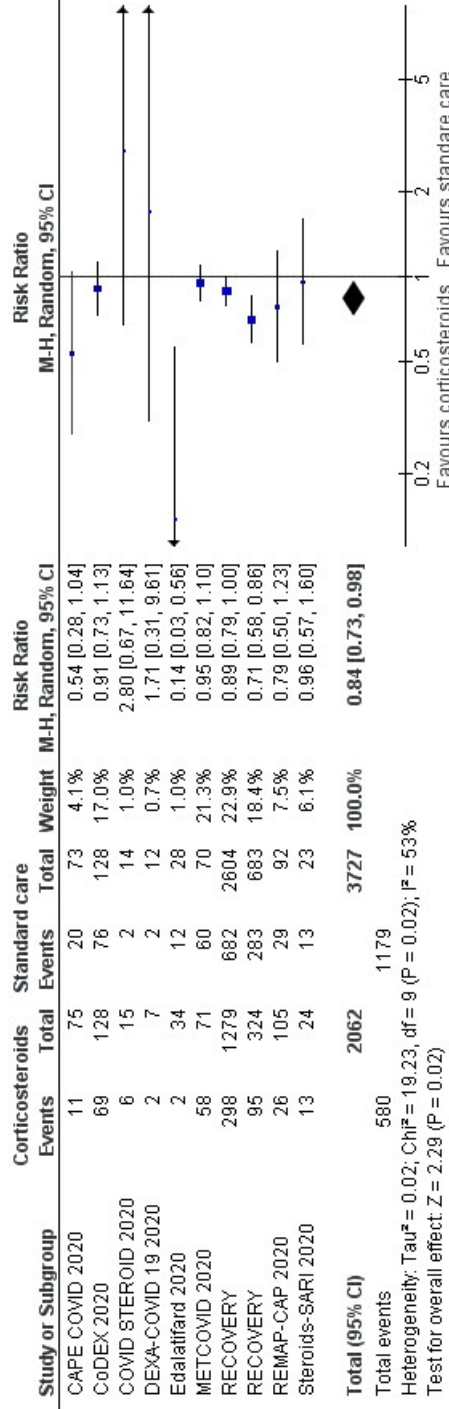
Excluded studies**Other references****Additional references****Other published versions of this review****Classification pending references****Data and analyses****2 Corticosteroids v Standard care**

Outcome or Subgroup	Studies	Participants	Statistical Method	Effect Estimate
2.1 All-cause mortality [critical/severe] (28 days)	9	5789	Risk Ratio (M-H, Random, 95% CI)	0.84 [0.73, 0.98]

Study or Subgroup	Events	Total	Standard care	Total	Weight	M-H, Random, 95% CI	Risk Ratio	M-H, Random, 95% CI
2.2 Serious adverse events [critical] (28 days)		6		696				0.80 [0.53, 1.19]
2.3 Invasive mechanical ventilation or death [severe] (28 days)		1		3883				0.88 [0.79, 0.97]
2.4 Discharge from hospital [critical/severe] (28 days)		2		4952				1.10 [1.06, 1.15]
2.5 All-cause mortality [moderate] (28 days)		1		1535				1.27 [1.00, 1.61]
2.6 Invasive mechanical ventilation or death [moderate] (28 days)		1		1535				1.25 [1.00, 1.57]
2.7 Discharge from hospital [moderate] (28 days)		1		1535				0.96 [0.90, 1.01]
2.8 Discharge from hospital [severe] (28 days)		1		3883				1.07 [1.02, 1.12]
2.9 Discharge from hospital [critical] (28 days)		1		1007				1.42 [1.15, 1.74]
2.10 All-cause mortality [critical] (28 days)		8		1844				0.85 [0.72, 1.01]
2.11 All-cause mortality [severe] (28 days)		1		3883				0.89 [0.79, 1.00]

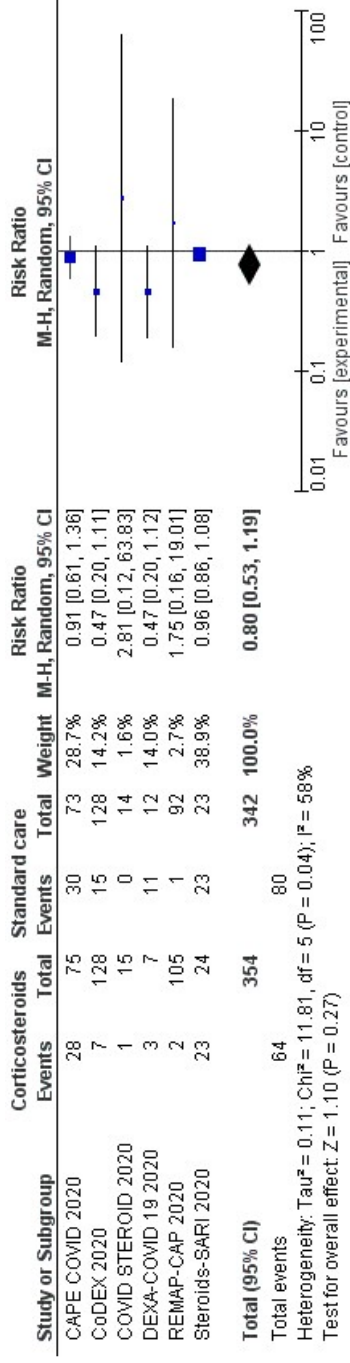
Figures

Figure 1 (Analysis 2.1)



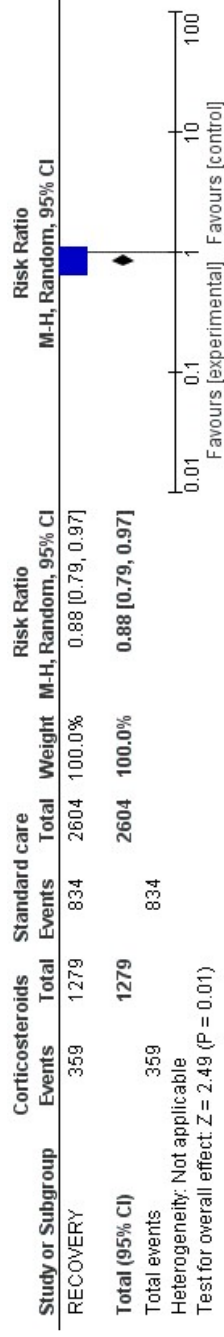
Forest plot of comparison: 2 Corticosteroids v Standard care, outcome: 2.1 All-cause mortality [critical/severe] (28 days).

Figure 2 (Analysis 2.2)



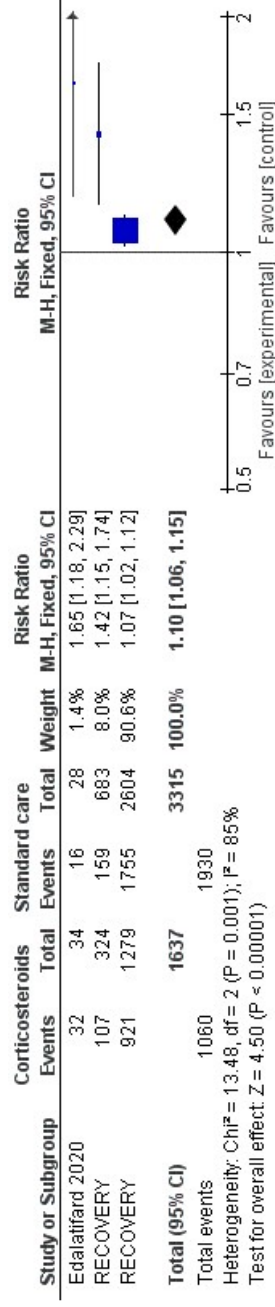
Forest plot of comparison: 2 Corticosteroids v Standard care, outcome: 2.2 Serious adverse events [critical] (28 days).

Figure 3 (Analysis 2.3)



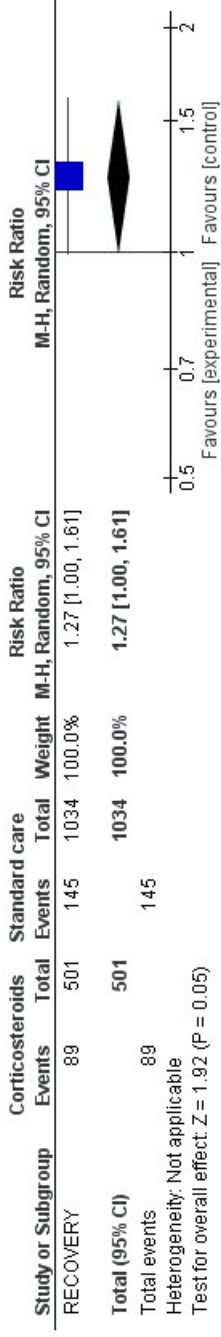
Forest plot of comparison: 2 Corticosteroids v Standard care, outcome: 2.3 Invasive mechanical ventilation or death [severe] (28 days).

Figure 4 (Analysis 2.4)



Forest plot of comparison: 2 Corticosteroids v Standard care, outcome: 2.4 Discharge from hospital [critical/severe] (28 days).

Figure 5 (Analysis 2.5)



Forest plot of comparison: 2 Corticosteroids v Standard care, outcome: 2.5 All-cause mortality [moderate] (28 days).

Figure 6 (Analysis 2.6)



Forest plot of comparison: 2 Corticosteroids v Standard care, outcome: 2.6 Invasive mechanical ventilation or death [moderate] (28 days).

Figure 7 (Analysis 2.7)



Forest plot of comparison: 2 Corticosteroids v Standard care, outcome: 2.7 Discharge from hospital [moderate] (28 days).

Appendices