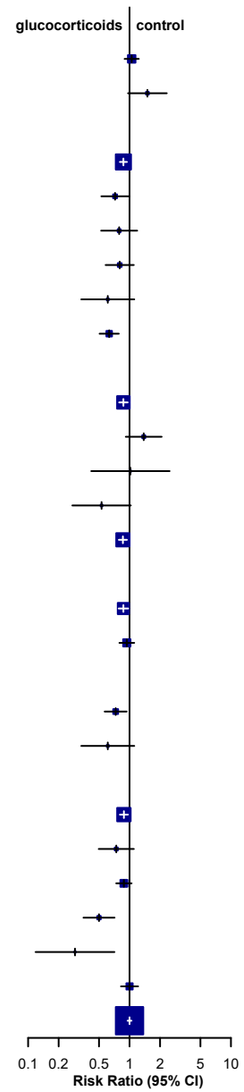
Supplementary Figure 20. Forest Plot of All-Cause Mortality of Trials or Observational Studies Evaluating Glucocorticoids for COVID-19 Within Subgroups Defined by Characteristics of Patient, Disease Severity and Administration of Glucocorticoids among Studies Reporting Incidence of Events in Control from 20% to 40%

Subgroup	Glucocorticoids (No. events/total)	Control (No. events/total)	RR	95% CI	Weight %	Incidence of events in control	Design type of included studies	Risk of bias of included studies
Age								
Elder(I^2=0%)	155/469	271/859	1.05	[0.89; 1.23]	66.8	0.32	RCTs	Non−high
Young(I^2=0%)	38/121	24/115	1.50	[0.97; 2.33]	33.2	0.21	RCTs	Non−high
Doses of glucocorticoids								
Low dose(I^2=0%)	754/3181	1411/5285	0.87	[0.80; 0.94]	NA	0.27	RCTs	Non−high
Low dose(I^2=98%)	692/2581	811/3369	0.72	[0.53; 0.98]	64.9	0.24	Observational	Low/Some concerns/High
Low dose(I^2=68%)	277/916	331/1275	0.79	[0.52; 1.19]	81.4	0.26	Observational	Low
Medium−high dose(I^2=86%)	204/690	420/1464	0.80	[0.58; 1.10]	28.8	0.29	Observational	Low/Some concerns/High
Medium−high dose(I^2=0%)	68/230	140/488	0.61	[0.33; 1.11]	18.6	0.29	Observational	Low
Pulse(I^2=0%)	13/86	16/67	0.63	[0.51; 0.78]	6.2	0.24	Observational	Low/Some concerns/High
Severity of illness								
02 Severe(I^2=0%)	524/2143	891/3282	0.87	[0.79; 0.96]	98	0.27	RCTs	Non−high
02 Severe(I^2=98%)	351/904	412/1475	1.38	[0.92; 2.07]	49.9	0.28	Observational	Low/Some concerns/High
02 Severe(I^2=51%)	60/283	106/528	1.02	[0.42; 2.48]	26.8	0.2	Observational	Low
03 Critically severe(I^2=0%)	11/76	20/73	0.53	[0.27; 1.03]	2	0.27	RCTs	Non−high
04 Severe or critically severe(I^2=0%)	535/2219	911/3355	0.86	[0.78; 0.94]	NA	0.27	RCTs	Non−high
Sex								
Men(I^2=0%)	331/1338	782/2749	0.87	[0.78; 0.97]	70.8	0.28	RCTs	Non−high
Women(I^2=0%)	151/766	328/1572	0.94	[0.79; 1.11]	29.2	0.21	RCTs	Non−high
Timing of glucocorticoids								
Early(I^2=95%)	259/1086	452/1598	0.73	[0.57; 0.94]	35.3	0.28	Observational	Low/Some concerns/High
Early(I^2=0%)	68/230	140/488	0.61	[0.33; 1.11]	18.6	0.29	Observational	Low
Types of glucocorticoids								
Dexamethasone(I^2=0%)	482/2140	1110/4321	0.88	[0.80; 0.96]	68.3	0.26	RCTs	Non−high
Hydrocortisone(I^2=41%)	115/459	115/367	0.74	[0.50; 1.10]	12.4	0.31	RCTs	Non−high
Methylprednisolone(I^2=0%)	157/582	186/597	0.88	[0.74; 1.05]	19.3	0.31	RCTs	Non−high
Methylprednisolone(I^2=85%)	86/690	118/470	0.50	[0.35; 0.71]	34	0.25	Observational	Low/Some concerns/High
Methylprednisolone(I^2=0%)	6/83	21/90	0.29	[0.12; 0.71]	8	0.23	Observational	Low
Multiple types(I^2=97%)	811/2615	1063/4244	1.00	[0.82; 1.21]	66	0.25	Observational	Low/Some concerns/High
Multiple types(I^2=8%)	333/1037	417/1580	1.00	[0.96; 1.05]	92	0.26	Observational	Low