

**Supplementary Table 1.** Heterogeneity and publication bias for variables

Variables	Selected by	Heterogeneity				Publication bias		
		Q value	p-value for Q	I <sup>2</sup>	tau <sup>2</sup>	Begg's test	Egger's test	Trim and Fill
Total mortality		123.12	<0.001	88.62	0.262	0.620	0.550	0.21 (0.19–0.27)
Man	Death or severe illness	27.83	0.015	49.70	0.098	0.770	0.520	Not changed
	Death only	9.25	0.322	13.50	0.013	0.750	0.970	Not changed
Age ≥65	Death or severe illness	1.32	0.858	0	0	1	0.780	1.80 (1.37–2.37)
	Death only	0.23	0.634	0	0			
Metastasis or stage IV	Death or severe illness	7.82		61.65	0.442			
	Death only	1.11	0.291	10.17	0.038			
Cardiovascular disease	Death or severe illness	5.74	0.571	0	0	0.020	0.060	2.00 (1.50–2.66)
	Death only	3.75	0.440	0	0	0.220	0.170	2.17 (1.47–3.21)
Hypertension	Death or severe illness	6.49	0.590	0	0	0.470	0.440	Not changed
	Death only	6.10	0.297	18.02	0.03	1	0.700	1.58 (1.19–2.11)
Diabetes	Death or severe illness	0.24	0.312	15	0.026	0.540	0.780	1.19 (0.90–1.57)
	Death only	5.17	0.271	22.56	0.054	0.221	0.327	1.34 (0.88–2.05)
COPD	Death or severe illness	4.73	0.579	0	0	1	0.822	not changed
	Death only	4.44	0.350	9.82	0.023	1	0.750	Not changed
Obesity	Death or severe illness	0.41	0.813	0	0	0.300	0.240	Not changed
	Death only	0.43	0.560	0	0			
Fever	Death or severe illness	9.42	0.308	15.08	0.036	0.917	0.599	Not changed
	Death only	7.42	0.192	32.60	0.145	0.452	0.520	Not changed
GI symptoms	Death or severe illness	9.76	0.045	59.00	0.468	1	0.197	Not changed
	Death only	0.57	0.754	0	0	1	0.628	Not changed
Cough	Death or severe illness	5.00	0.660	0	0	0.108	0.021	Not changed
	Death only	2.04	0.728	0	0	0.221	0.118	Not changed
Dyspnea	Death or severe illness	8.67	0.196	30.40	0.078	1	0.780	Not changed
	Death only	6.77	0.080	55.70	0.282	0.308	0.186	Not changed
Needed O <sub>2</sub> supplement	Death or severe illness	0.01	0.947	0	0			
Immunotherapy	Death or severe illness	11.50	0.042	56.56	0.340	0.452	0.810	1.27 (0.68–2.37)
	Death only	6.53	0.163	38.70	0.230	0.027	0.002	0.77 (0.36–1.65)
Immunotherapy+Chemotherapy	Death only	0.10	0.952	0	0	1	0.960	Not changed
Chemotherapy	Death or severe illness	33.37	>0.001	3.03	0.439	0.721	0.357	Not changed
	Death only	30.57	>0.001	80.37	0.761	1	0.152	0.96 (0.45–2.07)
Target therapy	Death or severe illness	13.09	0.042	54.17	0.488	0.548	0.493	Not changed
	Death only	12.00	0.035	58.32	0.512	1	0.694	Not changed
Surgery	Death only	1.87	0.171	46.50	0.384			
Radiotherapy	Death only	2.48	0.289	19.44	0.108	1	0.505	0.66 (0.32–1.37)
Hydroxychloroquine+Azythromycin	Death only	17.58	>0.001	88.62	2.430	0.296	0.271	Not changed

COPD, chronic obstructive pulmonary disease; GI, gastrointestinal