

Supplemental Table S1. Association of genetic risk scores for venous thromboembolism (VTE) and serum C Reactive Protein (CRP) concentrations with severe COVID-19 outcomes among 1,126 UK Biobank participants of European ancestry with test-positive SARS-CoV2 infection

Regression Models	Any hospitalization (n events = 536)			Critical care (n events = 180)			Critical support (n events = 115)			respiratory			Death (n events = 232)		
	OR (95% CI)		P-value	OR (95% CI)		P-value	OR (95% CI)		p-value	OR (95% CI)		p-value			
Models for CRP GRS															
Unadjusted	0.95	(0.84, 1.06)	0.34	1.11	(0.94, 1.30)	0.21	1.10	(0.91, 1.34)	0.33	0.82	(0.71, 0.95)	0.01			
Minimally adjusted ¹	0.99	(0.88, 1.13)	0.90	1.13	(0.96, 1.33)	0.16	1.10	(0.91, 1.34)	0.33	0.86	(0.74, 1.00)	0.06			
Fully adjusted ²	0.99	(0.88, 1.13)	0.93	1.10	(0.94, 1.30)	0.24	1.11	(0.91, 1.36)	0.30	0.85	(0.73, 1.00)	0.05			
Models for VTE GRS															
Unadjusted	1.04	(0.92, 1.17)	0.55	1.01	(0.86, 1.18)	0.93	1.04	(0.86, 1.26)	0.71	1.00	(0.87, 1.16)	0.98			
Minimally adjusted ¹	1.03	(0.88, 1.22)	0.68	0.99	(0.80, 1.22)	0.92	0.96	(0.75, 1.23)	0.75	0.98	(0.80, 1.19)	0.84			
Fully adjusted ²	1.05	(0.89, 1.24)	0.54	0.98	(0.79, 1.21)	0.86	0.96	(0.75, 1.24)	0.75	0.98	(0.80, 1.20)	0.88			

Estimates are from logistic regression models. Boldface indicates significance at $\alpha = 0.05$. OR, odds ratio; CI, confidence interval; CRP, C-Reactive Protein; GRS, genetic risk score; VTE, venous thromboembolism.

¹ Covariates were age at first SARS-CoV2 PCR test, sex acquired from the central registry at recruitment, and blood type.

² Covariates were age at first SARS-CoV2 PCR test, sex acquired from the central registry at recruitment, blood type, BMI, and first five genetic principal components.