Supplemental Table 8. Fully adjusted and reduced (no immunosuppressives) model results showing associations between demographic and clinical characteristics with COVID-19 in-hospital death

Variable	Fully Adjusted Model Immunosuppressives included		Reduced Model Immunosuppressives removed	
	Adjusted HR (95% CI)	p-value	Adjusted HR (95% CI)	p-value
Non-infectious uveitis	0.90 (0.72, 1.13)	0.37	0.91 (0.73, 1.14)	0.42
Age (years)	1.072 (1.069, 1.074)	<0.001	1.071 (1.068, 1.073)	<0.001
Male vs. Female	1.64 (1.57, 1.72)	<0.001	1.61 (1.54, 1.69)	<0.001
Asian vs. White	1.12 (0.97, 1.28)	0.11	1.09 (0.95, 1.25)	0.22
Black vs. White	1.75 (1.65, 1.86)	<0.001	1.73 (1.63, 1.84)	<0.001
Hispanic vs. White	1.82 (1.71, 1.94)	<0.001	1.79 (1.68, 1.92)	<0.001
Other/Unknown vs. White	0.80 (0.71, 0.90)	<0.001	0.80 (0.71, 0.90)	<0.001
Midwest vs. South	1.25 (1.18, 1.32)	<0.001	1.23 (1.16, 1.31)	<0.001
Northeast vs. South	1.80 (1.70, 1.91)	<0.001	1.75 (1.65, 1.86)	<0.001
West vs. South	0.73 (0.66, 0.81)	<0.001	0.71 (0.64, 0.78)	<0.001
Other/Unknown vs. South	0.18 (0.09, 0.36)	<0.001	0.17 (0.08, 0.34)	<0.001
Probable renter vs. Probable homeowner	1.37 (1.25, 1.51)	<0.001	1.37 (1.25, 1.51)	<0.001
Unknown vs. Probable homeowner	1.80 (1.71, 1.90)	<0.001	1.80 (1.71, 1.90)	<0.001
Current/former smoker vs. Never smoker	1.30 (1.21, 1.40)	<0.001	1.33 (1.23, 1.43)	<0.001
Unknown smoking status vs. Never smoker	1.25 (1.17, 1.34)	<0.001	1.23 (1.15, 1.32)	<0.001
Asthma	1.01 (0.93, 1.10)	0.74	1.09 (1.00, 1.18)	0.05
Autoimmune disease	1.11 (1.04, 1.18)	0.002	1.20 (1.13, 1.27)	<0.001
Cancer	1.07 (1.00, 1.14)	0.05	1.08 (1.02, 1.15)	0.02
Cardiovascular disease	1.53 (1.46, 1.61)	<0.001	1.55 (1.47, 1.63)	<0.001
Cerebrovascular	1.04 (0.98, 1.10)	0.22	1.04 (0.98, 1.10)	0.24
Chronic kidney disease	1.58 (1.51, 1.67)	<0.001	1.59 (1.51, 1.67)	<0.001
Chronic lung disease	1.40 (1.32, 1.47)	<0.001	1.49 (1.42, 1.58)	<0.001
Diabetes	1.80 (1.71, 1.89)	<0.001	1.78 (1.69, 1.87)	<0.001
Hemoglobin disorder	1.02 (0.66, 1.58)	0.93	1.02 (0.66, 1.59)	0.92
HIV/AIDS	1.65 (1.15, 2.36)	0.007	1.64 (1.15, 2.35)	0.007
Hypertension	1.48 (1.37, 1.59)	<0.001	1.50 (1.39, 1.62)	<0.001
Liver disease	1.81 (1.44, 2.28)	<0.001	1.80 (1.43, 2.27)	<0.001
Neurologic disease	2.71 (2.57, 2.86)	<0.001	2.67 (2.53, 2.81)	<0.001
Obesity	1.27 (1.20, 1.35)	<0.001	1.29 (1.22, 1.36)	<0.001
Solid organ transplant	1.33 (1.05, 1.69)	0.02	1.56 (1.24, 1.96)	<0.001
Pregnancy	2.16 (1.32, 3.53)	0.002	2.18 (1.33, 3.57)	0.002

Systemic corticosteroids	1.76 (1.67, 1.86)	<0.001		
DMARDS	1.13 (0.96, 1.33)	0.14		
TNF-alpha inhibitors	0.79 (0.48, 1.30)	0.35		
IL-6 inhibitors	1.24 (0.31, 4.98)	0.76		
Other biologics	0.73 (0.42, 1.26)	0.25		
Other immunosuppressive drugs	1.18 (0.88, 1.58)	0.26		

P-values calculated from Cox proportional hazards models. Reference groups for comorbidities and medications are the group of patients without the given disease or without a prescription for the given medication. HR=hazard ratio; CI=confidence interval; HIV=human immunodeficiency virus; AIDS=acquired immunodeficiency syndrome; DMARDs=disease-modifying anti-rheumatic drugs; TNF-alpha=tumor necrosis factor alpha; IL-6=interleukin 6.