

Supplement table 1: Mean (SD) values for specific laboratory tests for the identified cohort of sickle cell disease

	SCD group with COVID (N = 281)		SCD group without COVID (N = 4873)	
	Hb SS/Sβ ⁰ (N = 219)	Other (N = 62)	Hb SS/Sβ ⁰ (N = 3758)	Other (N = 1115)
Hemoglobin (mass/volume, g/dL)	8.7 (1.8) ^{a1}	10.2 (1.8) ^{b1}	8.9 (2.5) ^{c1}	10.8 (2.6) ^{d1}
Reticulocyte (%)	9.9 (7.5) ^{a2}	5.8 (7.1) ^{b2}	11.5 (8.6) ^{c2}	6.5 (7.9) ^{d2}
Platelet (#/volume, 10 ³ /uL)	347.1 (143.5) ^{a3}	275.2 (137.2) ^{b3}	352.5 (170.6) ^{c3}	283.5 (130.4) ^{d3}
Leukocytes (#/volume, 10 ³ /uL)	11.4 (6.1) ^{a4}	10.3 (7.1) ^{b4}	11.3 (6.1) ^{c4}	9.5 (6.4) ^{d4}

Other includes SCD not classified as Hb SS/Sβ⁰

a1 – 4: missing values for 26, 93, 34 and 32 individuals respectively

b1 – 4: missing values for 10, 36, 12 and 11 individuals respectively

c1 – 4: missing values for 453, 1476, 677 and 578 individuals respectively

d1 – 4: missing values for 134, 625, 202 and 163 individuals respectively

Supplemental table 2: Diagnoses codes used to identify the VTE outcome

ICD 10 code	Description
I80.1	Phlebitis and thrombophlebitis of femoral vein
I80.2	Phlebitis and thrombophlebitis of other and unspecified deep vessels of lower extremities
I80.3	Phlebitis and thrombophlebitis of lower extremities, unspecified
I80.8	Phlebitis and thrombophlebitis of other sites
I80.9	Phlebitis and thrombophlebitis of unspecified site
I81	Portal vein thrombosis
I82.0	Budd-Chiari syndrome
I82.1	Thrombophlebitis migrans
I82.2	Embolism and thrombosis of vena cava and other thoracic veins
I82.3	Embolism and thrombosis of renal vein
I82.4	Acute embolism and thrombosis of deep veins of lower extremity
I82.6	Acute embolism and thrombosis of veins of upper extremity

I82.A	Embolism and thrombosis of axillary vein
I82.B	Embolism and thrombosis of subclavian vein
I82.C	Embolism and thrombosis of internal jugular vein
I82.8	Embolism and thrombosis of other specified veins
I82.9	Embolism and thrombosis of unspecified vein
I26.0	Pulmonary embolism with acute cor pulmonale
I26.9	Pulmonary embolism without acute cor pulmonale
O08.2	Embolism following ectopic and molar pregnanc
O87.1	Deep phlebothrombosis in the puerperium
O87.3	Cerebral venous thrombosis in the puerperium
O88.2	Obstetric thromboembolism
O22.3	Deep phlebothrombosis in pregnancy