

Supplement:

Table 1. Demographic characteristics and Serological Markers Among a Sickle Cell Disease Cohort in Brazil (n=2,779)

	HCV + n=69 (%)	Syphilis + n=34 (%)	HTLV + n=17 (%)	HBV + n=13 (%)	Chagas + n=13 (%)	HIV + n=8 (%)	Any infectious disease marker n=144 (%)	Negative for these markers n=2,635 (%)
Blood center	‡						‡	‡
Hemominas HB	7 (0.9)	7 (0.9)	3 (0.4)	6 (0.8)	4 (0.5)	1 (0.1)	26 (3.3)	754 (96.7)
Hemominas JF	4 (1.5)	5 (1.9)	1 (0.4)	1 (0.4)	0 (0.0)	1 (0.4)	11 (4.0)	262 (96.0)
Hemominas MO	2 (0.6)	3 (0.9)	0 (0.0)	1 (0.3)	7 (2.0)	1 (0.3)	14 (3.9)	349 (96.1)
Hemope	22 (4.1)	6 (1.2)	9 (1.7)	3 (0.6)	2 (0.4)	1 (0.2)	41 (7.5)	509 (92.5)
Hemorio	34 (4.9)	13 (1.9)	4 (0.6)	2 (0.3)	0 (0.0)	4 (0.6)	52 (7.3)	658 (92.7)
Instituto da Criança (children only)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	103 (100.0)
Gender								
Male	28 (2.2)	9 (0.7)	6 (0.5)	8 (0.6)	6 (0.5)	2 (0.2)	57 (4.4)	1,250 (95.6)
Female	41 (2.9)	25 (1.8)	11 (0.8)	5 (0.4)	7 (0.5)	6 (0.4)	87 (5.9)	1,385 (94.1)
SCD genotype*								
SS/SB ⁰ /SDL	60 (3.0)	23 (1.2)	15 (0.8)	12 (0.6)	8 (0.4)	7 (0.4)	117 (5.6)	1,973 (94.4)
SC	8 (1.3)	11 (1.8)	2 (0.3)	0 (0.0)	5 (0.8)	1 (0.2)	25 (3.9)	617 (96.1)
SB+/SHPFH	1 (2.2)	0 (0.0)	0 (0.0)	1 (2.2)	0 (0.0)	0 (0.0)	2 (4.3)	45 (95.7)
Education (1,231 Adults only)								
Never attended	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	2 (20.0)	0 (0.0)	2 (20.0)	8 (80)
Elementary/Middle School	50 (5.3)	30 (3.3)	10 (1.1)	10 (1.1)	9 (1.0)	6 (0.7)	108 (10.8)	892 (89.2)
Adult Literacy/Technical school	9 (11.8)	0 (0.0)	2 (2.9)	1 (1.5)	2 (2.9)	0 (0.0)	13 (16.3)	67 (83.8)
Bachelors, Masters or Doctorate College Degree	9 (6.8)	3 (2.4)	4 (3.1)	0 (0.0)	0 (0.0)	1 (0.8)	15 (10.8)	124 (89.2)
Missing/ Unknown	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	2 (0.2)
Race								
Asian	3 (3.3)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	3 (3.3)	87 (96.7)
Black	25 (3.5)	9 (1.3)	7 (1.0)	2 (0.3)	3 (0.4)	2 (0.3)	45 (6.0)	699 (94)
Indigenous	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	14 (100)
Mixed	38 (2.4)	21 (1.3)	8 (0.5)	10 (0.6)	9 (0.6)	6 (0.4)	85 (5.2)	1,546 (94.8)
White	3 (1.0)	4 (1.4)	2 (0.7)	1 (0.4)	1 (0.4)	0 (0.0)	11 (3.7)	284 (96.3)
Missing/ Unknown	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	5 (0.2)
Age	‡	§	‡	§	§		‡	‡
<15	1 (0.1)	1 (0.1)	1 (0.1)	1 (0.1)	0 (0.0)	1 (0.1)	5 (0.4)	1,260 (99.6)
15-24	1 (0.1)	5 (0.7)	1 (0.1)	2 (0.3)	0 (0.0)	2 (0.3)	11 (1.6)	668 (98.4)
25-34	16 (4.2)	6 (1.6)	3 (0.8)	4 (1.1)	2 (0.5)	2 (0.5)	32 (8.1)	365 (91.9)
35-44	23 (10.0)	13 (5.9)	5 (2.4)	3 (1.4)	7 (3.3)	2 (1.0)	48 (18.9)	206 (81.1)
45-54	15 (13.8)	4 (4.1)	7 (6.9)	3 (3.1)	2 (2.1)	1 (1.1)	28 (23.0)	94 (77.0)

50+	13 (23.6)	5 (10.6)	0 (0.0)	0 (0.0)	2 (4.5)	0 (0.0)	20 (32.3)	42 (67.7)
Marital status (1,231 Adults only)	‡						‡	‡
Single	18 (2.7)	16 (2.4)	7 (1.1)	4 (0.6)	6 (0.9)	5 (0.8)	53 (7.6)	645 (92.4)
Living together/married	34 (7.8)	14 (3.4)	8 (2.0)	6 (1.5)	5 (1.2)	2 (0.5)	63 (45.7)	402 (86.5)
Separated/Divorced/Widower	16 (26.7)	3 (6.4)	1 (2.2)	1 (2.2)	2 (4.3)	0 (0.0)	22 (15.9)	44 (66.7)
Missing/ Unknown	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	2 (0.2)
Monthly Income (1,231 Adults only)†								
<=R\$1400	46 (6.0)	26 (3.5)	8 (1.1)	6 (0.8)	7 (1.0)	4 (0.6)	94 (11.6)	717 (88.4)
>R\$1401	20 (5.8)	6 (1.8)	8 (2.4)	5 (1.5)	5 (1.5)	3 (0.9)	41 (11.2)	325 (88.8)
Missing/unknown	2 (0.03)	1 (0.0)	0 (0.0)	0 (0.0)	1 (7.7)	0 (0.0)	3 (2.2)	51 (4.7)

*More severe SCD genotypes such as homozygous SS, Sβ0-thalassemia(Sβ0) and S-D Los Angeles (SDL) were combined into one category while less severe genotypes such as Sβ+-thalassemia(Sβ+) and S-hereditary persistence of fetal hemoglobin (SHPFH) were combined into a separate category. †Monthly income was collected in Brazilian Reais. in 2014, R\$1400 was equivalent to approximately \$527 US dollars; ‡p<0.0001; §p<0.001; ||p<0.05