

**Supplemental Table 1.** Comparison of demographic characteristics between children with and without serum specimens available

Characteristic	With specimens (n=191)	Without specimens (n=262)	P-value <sup>1</sup>
Country: n (%)			
Argentina	17 (8.9)	26 (9.9)	<0.0001
Brazil	124 (64.9)	213 (81.3)	
Mexico	22 (11.5)	10 (3.8)	
Peru	28 (14.7)	2 (0.8)	
Jamaica	0	11 (4.2)	
Gestational age at birth: n (%)			
<37	14 (11.3)	28 (14.9)	0.40
≥ 37	110 (88.7)	160 (85.1)	
Missing	67	74	
Gender: n (%)			
Female	80 (41.9)	134 (51.1)	0.06
Male	111 (58.1)	128 (48.9)	
Age at enrollment (months):			
Mean (SD)	26.2 (16.8)	18.1 (16.6)	<0.0001
Median	28.0	9.0	
BMI at four years of age: n (%)			
<-2 SD	9 (4.7)	16 (6.2)	0.69
-2 SD to +2SD	166 (86.9)	217 (83.8)	
>+2 SD	16 (8.4)	26 (10.0)	
Missing	0	3	
HIV status: n (%)			
HIV positive	137 (71.7)	111 (42.4)	<0.0001
HIV negative	54 (28.3)	151 (57.6)	
Immunologic status (CD4 count) at age four years: n (%)			
No suppression (≥1000 cells/mm <sup>3</sup> )	132 (69.5)	176 (69.6)	0.21
Moderate (500-999 cells/mm <sup>3</sup> )	52 (27.4)	60 (23.7)	
Severe (<500 cells/mm <sup>3</sup> )	6 (3.2)	17 (6.7)	
Missing	1	9	
Immunologic status (CD4 count) at age four years: n (%) <b>PHIV ONLY</b>			
No suppression (≥1000 cells/mm <sup>3</sup> )	88 (64.7)	60 (56.6)	0.017
Moderate (500-999 cells/mm <sup>3</sup> )	42 (30.9)	30 (28.3)	
Severe (<500 cells/mm <sup>3</sup> )	6 (4.4)	16 (15.1)	
Missing	1	5	

<b>Characteristic</b>	<b>With specimens (n=191)</b>	<b>Without specimens (n=262)</b>	<b>P-value<sup>1</sup></b>
Immunologic status (CD4 count) at age four years: n (%) <b>HEU ONLY</b>			
No suppression ( $\geq 1000$ cells/mm <sup>3</sup> )	44 (81.5)	116 (78.9)	0.89
Moderate (500-999 cells/mm <sup>3</sup> )	10 (18.5)	30 (20.4)	
Severe (<500 cells/mm <sup>3</sup> )	0	1 (0.7)	
Missing	0	4	
<i>Below Analyses Restricted to HIV Infected</i>			
ARV prescribed at age four years: n (%)			
cART/PI	82 (59.9)	53 (47.7)	0.013
cART/NNRTI	24 (17.5)	18 (16.2)	
No cART	3 (2.2)	13 (11.7)	
No ARV	28 (20.4)	27 (24.3)	
CDC classification at age four years: n (%)			
N	11 (8.0)	14 (12.6)	0.62
A	34 (24.8)	25 (22.5)	
B	38 (27.7)	33 (29.7)	
C	54 (39.4)	39 (35.1)	
Viral Load (copies/mL) at age four years: n (%)			
<500	68 (49.6)	37 (33.3)	0.032
500-10,000	25 (18.2)	21 (18.9)	
10,000<100,000	29 (21.2)	40 (36.0)	
$\geq 100,000$	15 (10.9)	13 (11.7)	

<sup>1</sup> P-values obtained using Fisher's exact test for categorical characteristics and the t-test for continuous measures.