

Supplemental Table 1. Baseline characteristics of adolescents 10-16 years-old enrolling in the Coptic Hope Center for Infectious Diseases by availability of oxygen saturation

| | Oxygen saturation <i>missing</i> (<i>n</i> = 56) | Oxygen saturation <i>recorded</i> (<i>n</i> = 202) |
|--|---|---|
| Age (years), median (IQR) | 12.4 (11.0 – 15.4) | 13.0 (11.4 – 14.5) |
| Male, <i>n</i> (%) | 24 (43%) | 103 (51%) |
| Tachypnea, <i>n</i> (%) | 38 (68%) | 105 (52%) |
| HIV-related variables, <i>n</i> (%) | | |
| WHO stage 3/4 | 19 (35%) | 67 (33%) |
| Current co-trimoxazole use | 25 (45%) | 106 (52%) |
| Current ART use | 16 (29%) | 57 (28%) |
| CD4+ cell count <200 cells/ μ L | 21 (38%) | 64 (32%) |
| BMI-for-age Z-score <-2, <i>n</i> (%) [*] | 7 (14%) | 38 (20%) |
| Height-for-age Z-score <-2, <i>n</i> (%) [*] | 29 (54%) | 69 (36%) |
| Indoor biofuel burning (wood, charcoal, paraffin), <i>n</i> (%) [‡] | 3 (60%) | 47 (52%) |
| Monthly household earnings \leq 2,000 Ksh, <i>n</i> (%) [§] | 22 (88%) | 114 (80%) |
| Living in Kibera, <i>n</i> (%) [*] | 0 | 19 (14%) |

^{*}BMI- and height-for-age Z-scores available for *n* = 50 with missing oxygen saturation and *n* = 190 with recorded oxygen saturation

[‡]Information about indoor biofuel burning available for *n* = 5 with missing oxygen saturation and *n* = 90 with recorded oxygen saturation

[§]Earning data available for *n* = 25 with missing oxygen saturation and *n* = 143 with recorded oxygen saturation

^{*}Region of residence available for *n* = 18 with missing oxygen saturation and *n* = 133 with recorded oxygen saturation