Supplemental Digital Content 1. Derivation of Study Population

Missing a pre-treatment viral load measurement

(n=42)

**PESS2 Cohort (n=397)**

**Visits prior to 12th birthday (n=384)**

**Participants with at least 6 months of follow-up (n=296)**

**Participants receiving ART consistent with national guidelines**

**(n=283)**

**Final Analytic Sample (n=241)**

With visits after 12th birthday (n=13)

Without at least 6 months of follow-up after starting ART (n=88)

ART regimen was different from guidelines or missing

(n=13)