

Supplemental Figure 1. Directed Acyclic Graph (DAG) to distinguish between confounders, mediators, and covariates in a regression model to assess the association between ART exposure and decayed teeth

Supplemental Table 1. HIV disease severity (history of, and current) among 209 perinatally HIV-infected (PHIV) youth participating in the Oral Health study in the AMP/PHACS¹

HIV disease severity	n (%)	Median (Q1, Q3)
Life time history:		
% RNA measurement > 400 copies/mL ²		45.3 (19.6; 69.8)
CD4 cell count nadir (cells/mm ³)		300 (152; 448)
CD4 cell count nadir < 200 cells/mm ³	70 (33)	
History of AIDS-defining illness	51 (24)	
Current ³ :		
HIV RNA (copies/mL)		40 (20; 1760)
HIV RNA > 400 copies/mL	66 (32)	
CD4 cell count (cells/mm ³)		626 (441; 825)
CD4 cell count < 350 cells/mm ³	38 (18)	

¹ Adolescent Master Protocol (AMP) of the Pediatric HIV/AIDS Cohort Study (PHACS) ² % among lifetime number of VL assays measured as part of AMP/PHACS; 1 missing value
³ Clinical indicator measured at or within 90 days of the AMP/PHACS oral study visit

Supplemental Table 2. Among 143 perinatally HIV-infected youth participating in the Oral Health study in the AMP/PHACS¹ and having received the same cART² for the past year prior to oral health study entry: Exposure to non–nucleoside reverse transcriptase inhibitors (NNRTI) as part of cART regimen by periodontal outcomes

	cART no NNRTI	cART with NNRTI	Total	P-value
	N=100	N=43		
Periodontal disease				
N (%)				
- None	15 (15)	14 (33)	29 (20)	0.06^{3}
- Gingivitis	41 (41)	18 (42)	59 (41)	
- Mild Periodontitis	18 (18)	7 (16)	25 (17)	
 Moderate Periodontitis 	23 (23)	4 (9)	27 (19)	
- Missing	3 (3)	0	3 (2)	
Teeth with 2-6 BOP sites ⁴				
- Mean (SD)	10.0 (7.7)	7.9 (7.3)	5.1 (4.5)	0.09^{5}
- Median (Q1, Q3)	9 (3; 15)	5 (2; 14)	4 (1; 8)	

¹ Adolescent Master Protocol (AMP) of the Pediatric HIV/AIDS Cohort Study (PHACS)

² cART was defined as any regimen containing at least three drugs from at least two drug classes.

³ Chi-Square Test

⁴ BOP: bleeding on probing is measured on 6 sites per tooth. This variable represents number of teeth with at least 2 sites exhibiting BOP. 3 participants on cART without NNRTI missing information

⁵ Wilcoxon Rank Sum Test