

SUPPLEMENTAL DIGITAL CONTENT 1

Table S1. Association of Demographic, Behavioral, Virologic, and Clinical Factors with HIV-1 Genital Shedding Frequency Among 62 Women with 3 or More Visits With Detectable Plasma Viral Load.^a

Factor ^b	HIV-1 genital shedding category ^c			Univariate models ^d		Models adjusted for log ₁₀ plasma HIV-1 RNA level ^e	
	Never Shedder (N=20)	Intermittent Shedder (N=24)	Persistent Shedder (N=18)	OR (95% CI)	P	OR (95% CI)	P
Plasma HIV-1 RNA level, copies/mL							
401-3,999	9 (45)	7 (29)	2 (11)	Ref			
4,000-19,999	8 (40)	4 (17)	2 (11)	0.83 (0.21-3.27)	0.79		
≥20,000	3 (15)	13 (54)	14 (78)	7.28 (2.17-24.39)	0.001^f		
Per log ₁₀ increase				4.09 (1.96-8.55)	<0.001		
CD4 cell count, cells/mm ³							
0-200	7 (35)	6 (26)	2 (11)	3.35 (0.90-12.50)	0.07	1.10 (0.25-4.83)	0.90
201-350	4 (20)	4 (17)	3 (17)	2.49 (0.69-8.97)	0.16	1.73 (0.44-6.83)	0.43
351-500	5 (25)	7 (30)	6 (33)	1.75 (0.41-7.48)	0.45	1.95 (0.44-8.70)	0.38
>500	4 (20)	6 (26)	7 (39)	Ref		Ref	
Unknown	0	1	0				
Alcohol consumption							
Abstainer	14 (70)	11 (46)	5 (28)	Ref		Ref	
Light (<3 drinks/week)	3 (15)	7 (29)	4 (22)	2.53 (0.77-8.25)	0.12	3.96 (1.12-14.02)	0.03
Moderate (3-13 drinks/week)	1 (5)	3 (13)	2 (11)	3.15 (0.63-15.90)	0.16	5.03 (0.75-33.62)	0.10
Heavy (14 or more drinks/week)	2 (10)	3 (13)	7 (39)	6.72 (1.69-26.68)	0.007^f	6.58 (1.56-27.72)	0.01^f
Any	6 (30)	13 (54)	13 (72)	3.62 (1.37-9.58)	0.01	4.92 (1.71-14.14)	0.003
Marijuana/hashish use (past 6 months)							
No	20 (100)	20 (83)	14 (78)	Ref		Ref	
Yes	0 (0)	4 (17)	4 (22)	3.97 (1.00-15.84)	0.05	2.30 (0.53-9.94)	0.26
Squamous metaplasia							
Absent	10 (50)	8 (33)	4 (22)	Ref		Ref	
Present	10 (50)	16 (67)	14 (78)	2.47 (0.92-6.64)	0.07	1.97 (0.70-5.58)	0.20
Candidiasis							
Absent	20 (100)	22 (92)	13 (72)	Ref		Ref	
Present	0 (0)	2 (8)	5 (28)	9.07 (1.63-50.42)	0.01	15.14 (1.98-116.10)	0.009
Herpes simplex virus type 2							
Absent	5 (25)	4 (17)	2 (11)	Ref		Ref	
Present	15 (75)	19 (83)	16 (89)	2.00 (0.59-6.79)	0.27	4.44 (1.10-17.90)	0.04
Unknown	0	1	0				

NOTE. Data are no. (%) of population, unless otherwise indicated. Boldface type indicates statistical significance. CI, confidence interval; Ref, reference.

^a Data is restricted to participants with a minimum of 3 and a maximum of 6 evaluated consecutive visits; only at most 1 consecutive visit can be skipped.

^b All factors were evaluated but only those with associations where $P < 0.10$ are included in the table.

^c Genital shedding is defined as HIV RNA in CVL > 80 copies/mL. Shedding categories are defined as: never shedder, shed at 0 visits; intermittent, shed at 1 or 2 visits; and persistent shedder, shed at 3 or more visits.

^d Ordinal logistic regressions are used to estimate odds ratios, 95% confidence intervals and P -values where data from the first evaluated visit contributes to the model.

^e Adjusted models control for plasma log₁₀ HIV RNA level.

^f P -trend < 0.01.