

Supplemental Digital Content 1: Distribution of Background Characteristics from All Visits by Age at Adherence Evaluation (N=1190 evaluations from 379 youth)

Characteristics		Age at Adherence Evaluation			
		8 - 11 (N ^a =172) n(%)	12 - 14 (N ^a =383) n(%)	15 - 17 (N ^a =432) n(%)	18 - 22 (N ^a =203) n(%)
Individual					
Sex: Male	No	98 (57)	210 (55)	221 (51)	96 (47)
	Yes	74 (43)	173 (45)	211 (49)	107 (53)
Race: Black	No	42 (24)	88 (23)	104 (24)	44 (22)
	Yes	128 (74)	289 (75)	314 (73)	145 (71)
	Unknown	2 (1)	6 (2)	14 (3)	14 (7)
Ethnicity:Latinx	No	137 (80)	305 (80)	328 (76)	156 (77)
	Yes	35 (20)	78 (20)	104 (24)	47 (23)
Nadir CD4% prior to or at enrollment	> 25%	44 (26)	92 (24)	78 (18)	26 (13)
	15% - 25%	93 (54)	187 (49)	169 (39)	68 (33)
	< 15%	35 (20)	104 (27)	185 (43)	109 (54)
ART regimen	PI-containing cART	122 (71)	272 (71)	299 (69)	139 (68)
	NNRTI-containing cART	35 (20)	81 (21)	95 (22)	52 (26)
	NRTI-containing cART	3 (2)	18 (5)	21 (5)	4 (2)
	Non-cART	12 (7)	12 (3)	17 (4)	8 (4)
Single dose ART regimen		31 (18)	128 (33)	192 (44)	107 (53)
Distressing physical symptoms, caregiver-reported	No	113 (66)	272 (71)	299 (69)	86 (42)
	Yes	45 (26)	87 (23)	102 (24)	46 (23)
	Unknown	14 (8)	24 (6)	31 (7)	71 (35)
Distressing physical symptoms, youth-reported	No	0 (0)	234 (61)	271 (63)	105 (52)
	Yes	0 (0)	75 (20)	129 (30)	87 (43)
	Unknown	172 (100)	74 (19)	32 (7)	11 (5)
Perceived ART side effects	Never/Rarely	164 (95)	354 (92)	387 (90)	176 (87)
	Sometimes/often	8 (5)	29 (8)	45 (10)	27 (13)
Youth aware of HIV status	No	85 (49)	40 (10)	11 (3)	1 (0)
	Yes	87 (51)	343 (90)	421 (97)	202 (100)

		Age at Adherence Evaluation			
		8 - 11 (N ^a =172)	12 - 14 (N ^a =383)	15 - 17 (N ^a =432)	18 - 22 (N ^a =203)
Characteristics		n(%)	n(%)	n(%)	n(%)
Alcohol use, past 3 months	No	96 (56)	302 (79)	295 (68)	91 (45)
	Yes	1 (1)	26 (7)	95 (22)	100 (49)
	Unknown	75 (44)	55 (14)	42 (10)	12 (6)
Emotional problem	Clinically significant	4 (2)	7 (2)	13 (3)	13 (6)
	At risk	13 (8)	18 (5)	34 (8)	11 (5)
	Normal	141 (82)	324 (85)	356 (82)	166 (82)
	Unknown	14 (8)	34 (9)	29 (7)	13 (6)
Behavioral problem	Clinically significant	7 (4)	6 (2)	23 (5)	6 (3)
	At risk	18 (10)	32 (8)	51 (12)	11 (5)
	Normal	138 (80)	312 (81)	313 (72)	90 (44)
	Unknown	9 (5)	33 (9)	45 (10)	96 (47)
Family					
Household annual income	≤ \$10,000	39 (23)	71 (19)	85 (20)	35 (17)
	> \$10,000 – 40,000	94 (55)	221 (58)	240 (56)	116 (57)
	> \$40,000	37 (22)	89 (23)	101 (23)	47 (23)
Caregiver education	< High school	35 (20)	89 (23)	120 (28)	42 (21)
	High school/GED	67 (39)	140 (37)	162 (38)	85 (42)
	> High school	70 (41)	154 (40)	150 (35)	76 (37)
Caregiver marital status	Married	69 (40)	162 (42)	177 (41)	73 (36)
	Separated/divorced/widowed	53 (31)	105 (27)	120 (28)	73 (36)
	Single, never married	50 (29)	116 (30)	135 (31)	57 (28)
Caregiver living with partner/spouse	Yes	92 (53)	205 (54)	220 (51)	87 (43)
	No	80 (47)	178 (46)	212 (49)	116 (57)
Number of caregiver functional limitations	0	96 (56)	216 (56)	219 (51)	50 (25)
	1 - 2	34 (20)	71 (19)	95 (22)	24 (12)
	≥ 3	26 (15)	55 (14)	78 (18)	28 (14)
	Unknown	16 (9)	41 (11)	40 (9)	101 (50)
Personal adjustment	Clinically significant	6 (3)	7 (2)	8 (2)	7 (3)
	At risk	23 (13)	21 (5)	49 (11)	18 (9)

Characteristics		Age at Adherence Evaluation			
		8 - 11 (N ^a =172)	12 - 14 (N ^a =383)	15 - 17 (N ^a =432)	18 - 22 (N ^a =203)
		n(%)	n(%)	n(%)	n(%)
	Normal	129 (75)	321 (84)	346 (80)	165 (81)
	Unknown	14 (8)	34 (9)	29 (7)	13 (6)
Social					
Buddy system adherence reminder	No	120 (70)	281 (73)	343 (79)	168 (83)
	Yes	52 (30)	102 (27)	89 (21)	35 (17)
Youth has a boyfriend/girlfriend	No	61 (35)	122 (32)	68 (16)	18 (9)
	Yes	39 (23)	207 (54)	322 (75)	173 (85)
	Unknown	72 (42)	54 (14)	42 (10)	12 (6)
Concern about inadvertent disclosure	Never/Rarely	169 (98)	358 (93)	384 (89)	173 (85)
	Sometimes/often	3 (2)	25 (7)	48 (11)	29 (14)
	Unknown	0 (0)	0 (0)	0 (0)	1 (0)
Structural					
Any violence exposure	No	89 (52)	184 (48)	182 (42)	83 (41)
	Yes	63 (37)	174 (45)	198 (46)	66 (33)
	Unknown	20 (12)	25 (7)	52 (12)	54 (27)
Direct violence victimization	No	134 (78)	294 (77)	290 (67)	117 (58)
	Yes	18 (10)	64 (17)	90 (21)	32 (16)
	Unknown	20 (12)	25 (7)	52 (12)	54 (27)
Indirect violence exposure	No	98 (57)	205 (54)	213 (49)	95 (47)
	Yes	54 (31)	153 (40)	167 (39)	54 (27)
	Unknown	20 (12)	25 (7)	52 (12)	54 (27)
Number of stressful life events, caregiver- reported	0	77 (45)	185 (48)	201 (47)	59 (29)
	1	48 (28)	86 (22)	104 (24)	45 (22)
	2	16 (9)	56 (15)	52 (12)	13 (6)
	≥ 3	18 (10)	36 (9)	53 (12)	25 (12)
	Unknown	13 (8)	20 (5)	22 (5)	61 (30)
Number of stressful life events, youth-reported	0	0 (0)	145 (38)	189 (44)	80 (39)
	1	0 (0)	83 (22)	93 (22)	51 (25)

Characteristics		Age at Adherence Evaluation			
		8 - 11 (N ^a =172)	12 - 14 (N ^a =383)	15 - 17 (N ^a =432)	18 - 22 (N ^a =203)
		n(%)	n(%)	n(%)	n(%)
	2	0 (0)	44 (11)	64 (15)	23 (11)
	≥ 3	0 (0)	37 (10)	54 (13)	38 (19)
	Unknown	172 (100)	74 (19)	32 (7)	11 (5)

^aNumber of evaluations/records from participants within each age group. The number of unique participants within each age group is: 103 in 8-11; 211 in 12-14; 250 in 15-17; and 122 in the 18 - 22 age group.

Abbreviations: ART=Antiretroviral therapy; PI=Protease inhibitor; NNRTI=Non-nucleoside reverse transcriptase inhibitor; NRTI=Nucleoside reverse transcriptase inhibitor.

**Supplemental Digital Content 2: Unadjusted Associations of Covariates with Self-reported Nonadherence at Different Age Stages
(N=1190 Evaluations of 379 Youth)**

Covariates	Age (years) at Time of Nonadherence Evaluation							
	8 - 11 (N ^a =172)		12 - 14 (N ^a =383)		15 - 17 (N ^a =432)		18 - 22 (N ^a =203)	
	OR (95% CI)	P- value	OR (95% CI)	P- value	OR (95% CI)	P- value	OR (95% CI)	P- value
Sex: Male	0.85 (0.40, 1.78)	0.66	0.91 (0.55, 1.50)	0.70	0.75 (0.46, 1.20)	0.23	0.89 (0.44, 1.79)	0.75
Race: Black (ref: White, Asian/Pacific Islander, Native American, or Alaskan Native)	1.02 (0.43, 2.41)	0.96	2.36 (1.22, 4.56)	0.01	1.41 (0.79, 2.50)	0.24	1.12 (0.48, 2.64)	0.79
Ethnicity:Latinx	0.50 (0.19, 1.34)	0.16	0.60 (0.31, 1.17)	0.13	0.89 (0.51, 1.56)	0.69	0.77 (0.34, 1.75)	0.52
Nadir CD4% prior to or at enrollment								
15% - 25% (ref: > 25%)	0.75 (0.32, 1.76)	0.50	0.94 (0.51, 1.75)	0.86	1.82 (0.89, 3.70)	0.10	1.61 (0.52, 5.01)	0.41
< 15% (ref: > 25%)	0.49 (0.16, 1.50)	0.21	0.57 (0.28, 1.18)	0.13	1.86 (0.92, 3.75)	0.08	1.35 (0.46, 3.97)	0.58
ART regimen: PI-containing cART	0.88 (0.40, 1.95)	0.75	0.97 (0.56, 1.68)	0.92	1.31 (0.78, 2.19)	0.30	1.17 (0.56, 2.42)	0.68
Multidose ART regimen (ref: single dose)	0.66 (0.27, 1.62)	0.36	0.62 (0.37, 1.03)	0.06	1.14 (0.72, 1.83)	0.57	1.21 (0.61, 2.39)	0.58
Distressing physical symptoms, caregiver-reported ^b (ref: 0)	1.28 (0.58, 2.82)	0.54	1.26 (0.71, 2.24)	0.42	1.59 (0.93, 2.71)	0.09	0.95 (0.42, 2.12)	0.89
Distressing physical symptoms, youth-reported ^c (ref: 0)			1.49 (0.80, 2.79)	0.21	1.20 (0.72, 2.00)	0.49	2.01 (1.01, 3.99)	0.05
Perceived ART side effects (ref: Never/Rarely)	20.63 (2.17, 195.97)	0.01	2.32 (1.01, 5.37)	0.05	5.64 (2.61, 12.21)	< 0.001	3.76 (1.29, 10.93)	0.02
Youth aware of HIV status	1.15 (0.56, 2.35)	0.70	0.83 (0.39, 1.79)	0.64	5.57 (0.64, 48.80)	0.12		
Alcohol use, past 3 months ^d			0.69 (0.24, 1.92)	0.47	2.29 (1.33, 3.93)	0.003	0.96 (0.49, 1.86)	0.90
Emotional problem: (ref: Normal)	0.26 (0.05, 1.23)	0.09	1.98 (0.77, 5.09)	0.16	1.81 (0.88, 3.70)	0.11	1.60 (0.55, 4.71)	0.39

Covariates	Age (years) at Time of Nonadherence Evaluation							
	8 - 11 (N ^a =172)	P- value	12 - 14 (N ^a =383)	P- value	15 - 17 (N ^a =432)	P- value	18 - 22 (N ^a =203)	P- value
	OR (95% CI)		OR (95% CI)		OR (95% CI)		OR (95% CI)	
Behavioral problem: (ref: Normal)	0.60 (0.20, 1.75)	0.34	1.43 (0.65, 3.14)	0.37	1.11 (0.59, 2.09)	0.74	3.42 (0.96, 12.20)	0.06
Annual household income (ref: > \$40,000)								
> \$10,000 – \$40,000 (ref: > \$40,000)	0.96 (0.39, 2.38)	0.93	1.35 (0.72, 2.51)	0.35	1.32 (0.72, 2.41)	0.37	2.17 (0.92, 5.12)	0.08
≤ \$10,000 (ref: > \$40,000)	0.50 (0.16, 1.58)	0.23	1.02 (0.46, 2.28)	0.96	1.56 (0.74, 3.28)	0.24	2.94 (0.97, 8.89)	0.06
Caregiver education								
High school/GED (ref: < High school)	0.84 (0.31, 2.29)	0.73	0.96 (0.49, 1.87)	0.91	0.95 (0.52, 1.74)	0.87	1.02 (0.41, 2.57)	0.96
> High school (ref: < High school)	1.08 (0.40, 2.89)	0.88	0.90 (0.47, 1.73)	0.74	1.13 (0.62, 2.08)	0.69	0.55 (0.22, 1.41)	0.21
Caregiver marital status								
Separated/divorced/widowed (ref: Married)	0.75 (0.30, 1.87)	0.53	1.27 (0.68, 2.37)	0.45	1.47 (0.81, 2.68)	0.21	1.55 (0.68, 3.55)	0.30
Single, never married (ref: Married)	1.56 (0.65, 3.76)	0.31	1.54 (0.85, 2.80)	0.16	2.55 (1.44, 4.51)	0.001	1.11 (0.46, 2.66)	0.81
Caregiver not living with partner/spouse	0.72 (0.34, 1.50)	0.37	1.63 (0.99, 2.70)	0.06	1.74 (1.08, 2.81)	0.02	1.50 (0.74, 3.02)	0.25
Number of caregiver functional limitations								
1 – 2 (ref: 0)	0.98 (0.38, 2.56)	0.97	0.86 (0.45, 1.64)	0.64	1.43 (0.79, 2.57)	0.23	1.27 (0.43, 3.77)	0.66
≥ 3 (ref: 0)	1.87 (0.66, 5.30)	0.23	0.96 (0.47, 1.95)	0.90	1.73 (0.92, 3.27)	0.09	1.25 (0.43, 3.61)	0.67
Personal adjustment: at risk/clinically significant (ref: Normal)	0.76 (0.29, 2.00)	0.57	1.14 (0.44, 2.91)	0.79	1.70 (0.88, 3.29)	0.11	1.19 (0.43, 3.26)	0.74
Buddy system ART reminder	2.88 (1.36, 6.11)	0.01	1.70 (0.99, 2.91)	0.05	1.52 (0.88, 2.63)	0.13	1.47 (0.63, 3.44)	0.37
Concern about inadvertent disclosure	0.88 (0.06, 12.11)	0.92	1.37 (0.55, 3.39)	0.50	4.18 (2.07, 8.44)	< 0.001	2.56 (0.98, 6.70)	0.06
Youth has a boyfriend/girlfriend ^d	1.87 (0.72, 4.88)	0.19	1.46 (0.84, 2.56)	0.18	2.97 (1.42, 6.24)	0.004	1.58 (0.47, 5.24)	0.45

Covariates	Age (years) at Time of Nonadherence Evaluation							
	8 - 11 (N ^a =172)		12 - 14 (N ^a =383)		15 - 17 (N ^a =432)		18 - 22 (N ^a =203)	
	OR (95% CI)	P- value	OR (95% CI)	P- value	OR (95% CI)	P- value	OR (95% CI)	P- value
Any violence exposure ^e	1.48 (0.68, 3.18)	0.31	1.89 (1.12, 3.20)	0.02	3.87 (2.26, 6.61)	< 0.001	1.01 (0.44, 2.34)	0.98
Direct violence victimization ^e	1.44 (0.46, 4.56)	0.52	1.25 (0.64, 2.44)	0.52	1.94 (1.06, 3.55)	0.03	1.01 (0.36, 2.81)	0.99
Indirect violence exposure ^e	1.15 (0.52, 2.54)	0.72	1.63 (0.96, 2.77)	0.07	3.32 (1.96, 5.62)	< 0.001	0.86 (0.36, 2.05)	0.73
Number of stressful life events, caregiver-reported ^b								
1 (ref: 0)	1.34 (0.57, 3.16)	0.50	0.97 (0.52, 1.79)	0.91	0.87 (0.49, 1.57)	0.65	0.98 (0.41, 2.38)	0.97
2 (ref: 0)	2.87 (0.88, 9.42)	0.08	1.05 (0.51, 2.16)	0.89	2.03 (1.01, 4.09)	0.05	0.51 (0.13, 1.98)	0.32
≥ 3 (ref: 0)	1.86 (0.57, 6.03)	0.30	2.13 (0.96, 4.76)	0.06	2.07 (1.02, 4.22)	0.04	0.55 (0.18, 1.66)	0.28
Number of stressful life events, youth-reported ^c								
1 (ref: 0)			0.93 (0.47, 1.85)	0.84	1.36 (0.74, 2.48)	0.32	1.11 (0.49, 2.55)	0.79
2 (ref: 0)			1.83 (0.82, 4.09)	0.14	1.64 (0.84, 3.20)	0.15	1.02 (0.34, 3.08)	0.97
≥ 3 (ref: 0)			1.35 (0.55, 3.29)	0.51	1.80 (0.88, 3.69)	0.11	1.52 (0.60, 3.81)	0.37

Abbreviations: ART=Antiretroviral therapy; PI=Protease inhibitor; NNRTI=Non-nucleoside reverse transcriptase inhibitor; NRTI=Nucleoside reverse transcriptase inhibitor; OR=Odds Ratio of self-reported nonadherence for participants with vs. without a specific characteristic; CI=Confidence interval

^aNumber of records within each age group. The number of unique participants within each age group is: 103 in 8-11; 211 in 12-14; 250 in 15-17; and 122 in the 18-22 age group.

^bData were collected at ≥ 1-year visits. ^cData were collected at ≥ 1-year visits for age 12 or older; variable was excluded from analysis for age 8 - 11. ^dData were collected for age 10 or older; variable was excluded from analysis for age 8 - 11.

^eData were collected at ≥ 1-year visits for ages 8-15.

**Supplemental Digital Content 3: Unadjusted Associations of Unsuppressed Viral Load with Covariates at Different Age Stages
(N=1257 Measurements from 381 Youth)**

Covariates	Age (years) at Time of Viral Load Measure							
	8 - 11 (N ^a =178)		12-14 (N ^a =391)		15 - 17 (N ^a =462)		18 - 22 (N ^a =226)	
	OR (95% CI)	P- value	OR (95% CI)	P- value	OR (95% CI)	P- value	OR (95% CI)	P- value
Sex: Male	1.09 (0.41, 2.92)	0.86	0.97 (0.54, 1.74)	0.93	0.53 (0.31, 0.89)	0.02	0.66 (0.30, 1.43)	0.29
Race: Black (ref: White, Asian/Pacific Islander, Native American, or Alaskan Native)	0.53 (0.18, 1.55)	0.24	1.11 (0.56, 2.21)	0.77	1.45 (0.77, 2.73)	0.25	2.66 (1.00, 7.06)	0.05
Ethnicity:Latinx	2.30 (0.74, 7.12)	0.15	1.73 (0.87, 3.45)	0.12	0.70 (0.37, 1.34)	0.28	0.45 (0.17, 1.18)	0.10
Nadir CD4% prior to or at enrollment								
15% - 25% (ref: > 25%)	1.02 (0.30, 3.46)	0.98	0.84 (0.40, 1.76)	0.63	1.83 (0.85, 3.95)	0.12	1.40 (0.37, 5.34)	0.62
< 15% (ref: > 25%)	1.74 (0.42, 7.19)	0.44	1.59 (0.72, 3.51)	0.25	1.93 (0.90, 4.13)	0.09	3.08 (0.87, 10.88)	0.08
ART regimen: PI-containing cART	1.49 (0.51, 4.34)	0.46	1.19 (0.64, 2.22)	0.58	0.63 (0.38, 1.06)	0.08	1.19 (0.56, 2.54)	0.65
Multidose ART regimen (ref: single dose)	0.40 (0.14, 1.14)	0.08	1.08 (0.57, 2.06)	0.81	0.94 (0.55, 1.61)	0.83	0.75 (0.33, 1.72)	0.49
Distressing physical symptoms, caregiver-reported ^b	1.07 (0.36, 3.20)	0.90	1.45 (0.76, 2.78)	0.25	0.99 (0.55, 1.78)	0.98	0.90 (0.36, 2.24)	0.82
Distressing physical symptoms, youth-reported ^c			1.10 (0.56, 2.17)	0.77	2.00 (1.16, 3.43)	0.01	2.47 (1.13, 5.41)	0.02
Perceived ART side effects	7.02 (1.48, 33.45)	0.02	1.50 (0.55, 4.14)	0.43	7.06 (3.06, 16.28)	< 0.001	4.83 (1.57, 14.83)	0.01
Youth aware of HIV status	1.18 (0.47, 3.00)	0.72	0.35 (0.16, 0.78)	0.01	1.18 (0.24, 5.69)	0.84		
Alcohol use, past 3 months ^d			1.15 (0.40, 3.31)	0.80	1.57 (0.90, 2.74)	0.11	1.39 (0.68, 2.87)	0.36
Emotional problem (ref: Normal)	1.62 (0.40, 6.51)	0.49	0.87 (0.27, 2.77)	0.81	0.99 (0.44, 2.22)	0.98	1.22 (0.36, 4.09)	0.74

Covariates	Age (years) at Time of Viral Load Measure							
	8 - 11 (N ^a =178)	P- value	12-14 (N ^a =391)	P- value	15 - 17 (N ^a =462)	P- value	18 - 22 (N ^a =226)	P- value
	OR (95% CI)		OR (95% CI)		OR (95% CI)		OR (95% CI)	
Behavioral problem: (ref: Normal)	1.81 (0.53, 6.15)	0.34	0.36 (0.11, 1.15)	0.08	1.36 (0.71, 2.61)	0.35	1.79 (0.56, 5.67)	0.31
Household annual income								
> \$10,000 – \$40,000 (ref: > \$40,000)	11.08 (1.26, 97.11)	0.03	1.81 (0.83, 3.95)	0.14	2.99 (1.48, 6.03)	0.002	1.31 (0.49, 3.53)	0.59
≤ \$10,000 (ref: > \$40,000)	5.13 (0.48, 54.89)	0.17	3.26 (1.30, 8.16)	0.01	3.56 (1.53, 8.28)	0.003	5.17 (1.53, 17.51)	0.01
Caregiver education								
High school/GED (ref: < High school)	0.65 (0.20, 2.12)	0.47	0.76 (0.36, 1.58)	0.46	0.78 (0.41, 1.48)	0.44	0.41 (0.16, 1.09)	0.07
> High school (ref: < High school)	0.16 (0.04, 0.66)	0.01	0.47 (0.22, 1.00)	0.05	0.60 (0.31, 1.15)	0.12	0.31 (0.11, 0.83)	0.02
Caregiver marital status								
Separated/divorced/widowed (ref: Married)	2.86 (0.85, 9.62)	0.09	1.30 (0.62, 2.73)	0.48	1.45 (0.76, 2.76)	0.26	3.65 (1.41, 9.46)	0.01
Single, never married (ref: Married)	2.22 (0.61, 8.01)	0.22	1.86 (0.93, 3.70)	0.08	1.77 (0.96, 3.27)	0.07	2.92 (1.09, 7.85)	0.03
Caregiver not living with partner/spouse (ref: Living with partner/spouse)	2.45 (0.91, 6.64)	0.08	1.65 (0.92, 2.96)	0.09	1.34 (0.80, 2.24)	0.27	3.73 (1.66, 8.38)	0.002
Number of caregiver functional limitations								
1 - 2 (ref: 0)	0.67 (0.17, 2.58)	0.55	1.10 (0.53, 2.30)	0.79	1.01 (0.54, 1.88)	0.97	1.25 (0.38, 4.17)	0.70
≥ 3 (ref: 0)	1.00 (0.23, 4.33)	1.00	1.04 (0.46, 2.34)	0.92	0.78 (0.40, 1.54)	0.48	1.14 (0.32, 4.00)	0.83
Personal adjustment: at risk/clinically significant (ref: Normal)	2.17 (0.71, 6.67)	0.17	0.85 (0.29, 2.45)	0.76	1.26 (0.61, 2.58)	0.53	0.85 (0.28, 2.61)	0.78

Covariates	Age (years) at Time of Viral Load Measure							
	8 - 11 (N ^a =178)		12-14 (N ^a =391)		15 - 17 (N ^a =462)		18 - 22 (N ^a =226)	
	OR (95% CI)	P- value	OR (95% CI)	P- value	OR (95% CI)	P- value	OR (95% CI)	P- value
Buddy system ART reminder	0.69 (0.23, 2.06)	0.50	0.67 (0.33, 1.37)	0.27	0.51 (0.25, 1.02)	0.06	0.50 (0.17, 1.43)	0.19
Concern about inadvertent disclosure (ref: Never/Rarely)	4.69 (0.45, 48.48)	0.19	3.07 (1.10, 8.56)	0.03	2.17 (1.02, 4.61)	0.04	1.88 (0.66, 5.30)	0.23
Youth has a boyfriend/girlfriend ^d	2.24 (0.65, 7.70)	0.19	0.97 (0.53, 1.78)	0.91	1.27 (0.62, 2.59)	0.51	3.19 (0.72, 14.19)	0.13
Any violence exposure ^e	3.10 (1.13, 8.52)	0.03	1.11 (0.61, 2.03)	0.73	1.41 (0.81, 2.43)	0.22	1.35 (0.57, 3.19)	0.48
Direct violence victimization ^e	0.58 (0.11, 3.21)	0.53	1.39 (0.66, 2.94)	0.39	0.75 (0.38, 1.46)	0.39	0.63 (0.21, 1.89)	0.41
Indirect violence exposure ^e	4.15 (1.50, 11.49)	0.01	1.11 (0.60, 2.03)	0.74	1.73 (1.00, 3.01)	0.05	1.50 (0.62, 3.60)	0.36
Number of stressful life events, caregiver-reported ^b								
1 (ref: 0)	0.60 (0.18, 1.99)	0.39	1.02 (0.52, 2.00)	0.96	1.00 (0.54, 1.85)	1.00	0.49 (0.16, 1.50)	0.21
2 (ref: 0)	0.25 (0.02, 2.52)	0.23	0.53 (0.21, 1.33)	0.18	1.32 (0.64, 2.75)	0.45	1.31 (0.34, 4.99)	0.69
≥ 3 (ref: 0)	0.86 (0.17, 4.35)	0.85	1.06 (0.40, 2.84)	0.91	1.18 (0.55, 2.53)	0.66	1.20 (0.37, 3.91)	0.76
Number of stressful life events, youth-reported ^c								
1 (ref: 0)			1.16 (0.57, 2.34)	0.68	1.25 (0.65, 2.40)	0.50	0.55 (0.21, 1.45)	0.22
2 (ref: 0)			1.14 (0.47, 2.76)	0.77	1.76 (0.85, 3.62)	0.13	0.75 (0.22, 2.53)	0.64
≥ 3 (ref: 0)			0.72 (0.26, 1.99)	0.53	2.69 (1.27, 5.70)	0.01	1.77 (0.67, 4.70)	0.25

Abbreviations: ART=Antiretroviral therapy; PI=Protease inhibitor; NNRTI=Non-nucleoside reverse transcriptase inhibitor; NRTI=Nucleoside reverse transcriptase inhibitor; OR=Odds Ratio of unsuppressed viral load for participants with vs. without a specific characteristic; CI=Confidence interval

^a Number of records overall and within each age group. The number of unique participants within each age group is: 103 in 8-11; 219 in 12-14; 259 in 15-17; and 135 in 18-22 age group.

^b Data were collected at ≥ 1 -year visits.

^c Data were collected at ≥ 1 -year visits for age 12 or older; variable was excluded from analysis for age 8 - 11.

^d Data were collected for age 10 or older; variable was excluded from analysis for age 8 - 11.

^e Data were collected at ≥ 1 -year visits for ages 8-15.