## Table 1: Socio demographic characteristics of 624 perinatally HIV -infected adolescent in Uganda

|  |  |  |  |
| --- | --- | --- | --- |
| **Characteristics** |  | **Frequency (n)** | **Per cent (%)** |
| **Gender** | Females  Males | 370  254 | 59.3  40.7 |
| **Age groups** | 10 – 14 years  15 – 19 years | 114  510 | 18.3  81.4 |
| **Religion**\* | Catholic  Protestant  Muslim  Born again  Other | 260  252  44  58  7 | 41.8  40.4  7.1  9.3  1.1 |
| **Education status** | Out of school  In school | 166  458 | 26.6  73.4 |
| **Level of education**\* | No formal education  Primary level  Secondary level | 30  356  231 | 4.8  57.1  37.1 |
| **Highest level of education hoped to complete** | Primary  Secondary  Tertiary  Did not know | 12  40  378  28 | 2.6  8.7  82.4  6.1 |
| **Occupation**\* | Students  Employed  employed | 462  49  86 | 74  7.9  13.7 |
| **Region** | Western  Eastern  Northern | 231  173  220 | 37  27.7  35.3 |
| **Distance to clinic** | Within 5km  More than 5km | 197  427 | 31.5  68.6 |
| **Parenthood status (living status)** \* | Both parents  One parent (one dead)  One parent (other alive)  Guardian/siblings (parents dead)  Staying alone | 105  196  51  245  19 | 16.8  31.4  8.2  39.3  3.0 |

\* **Some responses were missing / unknown.**

**Table 2: Sexual and other behaviours of perinatally HIV- infected adolescents with HIV in Uganda**

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Total (N)** |  | **n(%)** |
| Currently on ARVs | 624 | Yes | 519 (83.2) |
| Ever had Intimate relationship | 624 | Yes | 396 (63.5) |
| Currently in intimate relationship | 624 | Yes | 206 (33.0) |
| Ever had sex | 624 | Yes | 213 (34.1) |
| Had sex in the last 6 months? | 213 | Yes | 136 (63.9) |
| ¥How often has sex: | 136 | ≥3 times a week | 17 (12.5) |
| Once week | 41 (30.2) |
| Once a month | 78 (57.4) |
| Number of sexual partners(last six months) | 213 | 1 | 179 (84.0) |
| More than 1 partner | 34 (16.0) |
| Ω Used a condom at last sex | 213 | No | 93 (43.7) |
| Ω Consistent condom use | 213 | No | 165(77.5) |
| ∑Ever been pregnant | 144 | Yes | 82(56.9) |
| ∑Ever made someone pregnant | 69 | Yes | 23(33.3) |
| Aware of HIV status of partner and disclosed | 396 | No | 223(56.3) |
| Partner HIV + | 173 | Yes | 86(49.7) |
| Disclosed HIV status | 396 | No | 196(49.5%) |
| **Ω** Ever lived with boy/girlfriend? | 213 | Yes | 95 (44.6) |
| **Ω** Ever been married? | 213 | Yes | 46 (21.6) |
| **Sexually transmitted infections** |  |  |  |
| Been treated for an STD/STI? | 624 | Yes | 101 (16.2) |
| Ever suffered from the following symptoms | 101 | Genital sores  Genital itching  Genital discharge  Lower abdominal pain | 15 (14.8)  28 (27.7)  11 (10.9)  17 (16.8) |
| Advised partner to seek treatment | 101 | Yes | 65 (61.9) |
| **Peer influence** | N |  | n (%) |
| Ever smoked cigarette? | 624 | Yes | 18 (2.9) |
| Ever drunk alcohol? | 624 | Yes | 81 (12.0) |
| Has any friend taking alcohol? | 624 | Yes | 92 (14.7) |
| Ever been Influenced to smoke/take alcohol | 624 | Yes | 110 (17.6) |
| **Sexuality** | N |  | Mean(SD) |
| Age when had first boy/girlfriend (years) | 396 |  | 15.67 (1.5) |
| **Ω** Age when had first sex (years) | 213 |  | 15.83 (1.7) |
| Age when got married (years) | 46 |  | * 1. 1.1) |

An intimate relationship is an interpersonal relationship that involves physical or emotional intimacy. Physical intimacy is characterized by romantic or passionate attachment or sexual activity.

Boyfriend and girlfriend means a regular female/ male companion with whom a person has a romantic as well as sexual relationship.

**Ω These refer to those 213 had ever had sex.**

**¥ These refer to those 136 who had sex in the last six months.**

**∑ These refer to the females or males who had ever been sexually active.**

**Table 3: Stratified analysis comparing young adolescents and older adolescent’s sexual behaviour among perinatally HIV-infected adolescents.**

|  |  |  |  |
| --- | --- | --- | --- |
| **VARIABLES** | **10-14 years**  **N (%)** | **15-19 years**  **N (%)** | **Total** |
| **Ever had sex** |  |  |  |
| Yes | 6(2.8) | 207(97.2) | 213(100 |
| No | 108(27.3) | 303(73.7) | 411(100) |
| **Age at first sex** |  |  |  |
| 10-14 | 6 (21.4) | 22(78.6) | 28(100) |
| 15-19 | - | 185 (100) | 185 (100) |
| **Condom use at last sex** |  |  |  |
| Yes | 3(2.5) | 117(97.5) | 120(100) |
| No | 3(3.3) | 90(96.7) | 93(100) |
| **Number of partners** |  |  |  |
| One | 6(3.4) | 173(96.6) | 179(100) |
| >one partner | - | 34(100) | 34(100) |

**Table 3: Likelihood of ever having had sex by socio demographic factor for perinatally HIV-infected adolescents in Uganda (2013/2014)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variables** |  | **Sexually active** |  | **Unadjusted** | **P-value**† |
|  |  | **Yes** | **No** | **OR (95% CI)** |  |
|  |  | **N (%)** | **N (%)** |  |  |
| **Sex** | Male  Female | 69 (32.39)  144 (67.61) | 185 (45.01)  226 (54.99) | 1  1.71 (1.21 – 2.42) | 0.001 |
| **Age groups** | 10 – 14 years  15 – 19 years | 6 (2.82)  207 (97.18) | 108 (26.41)  301 (73.59) | 1  12.38 (5.34-28.70) | 0.001 |
| **Religion** | Catholic  Protestant  Muslim  Born again | 88 (41.90)  83 (39.52)  19 (9.05)  17 (8.10) | 172 (41.85)  169 (41.12)  25 (6.08)  41 (9.98) | 1  0.96 (0.66 – 1.39)  1.49 (0.78 – 2.84)  0.81 (0.44 – 1.51) | 0.83  0.23  0.51 |
| **Education status** | Out of school  In school | 110 (51.64)  103 (47.89) | 52(12.65)  356 (86.62) | 1  0.14 (0.10 – 0.21) | 0.001 |
| **Level of education** | None  Primary level  Secondary level | 13 (6.10)  109 (51.17)  91 (42.72) | 17 (4.21)  247 (61.14)  140 (34.65) | 1  0.58 (0.27 – 1.23)  0.85 (0.39 – 1.83) | 0.15  0.68 |
| **Education level hoped to complete** | Primary  Secondary  Tertiary | 30 (17.96)  38 (22.75)  99 (59.28) | 35 (9.07)  72 (18.65)  279 (72.28) | 1  0.62 (0.33 – 1.15)  0.41 (0.24 – 0.71) | 0.13  0.001 |
| **Occupation** | Students  Volunteers(employed)  Stay home | 102 (52.04)  33 (16.84)  61 (31.12) | 360 (89.78)  16 (3.99)  25 (6.23) | 1  7.28 (3.85-13.75)  8.61(5.15- 14.41) | 0.001  0.001 |
| **Region** | Western  Eastern  Northern | 65 (30.52)  72 (33.80)  76 (35.68) | 166 (40.39)  101 (24.57)  144 (35.04) | 1  1.82 (1.20 – 2.76)  1.35 (0.90 – 2.01) | 0.001  0.14 |
| **Living situation** | Both parents  One parent (one dead)  One parent (other alive)  Guardian/siblings | 36 (17.39)  60 (28.99)  19 (9.18)  78 (37.68) | 69 (16.87)  136 (33.25)  32 (7.82)  167 (40.83) | 1  0.85 (0.51 – 1.40)  1.14 (0.57 – 2.28)  0.90 (0.55 – 1.45) | 0.52  0.72  0.65 |

† Fisher’s exact test was used where we had a cell count less than 5

## Table 4: Likelihood of medical and life style factors associated with ever having had sex among perinatally HIV -infected adolescents

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variables** |  | **Sexually active** |  | **Unadjusted** | **P-value**† |
|  |  | **Yes** | **No** | **OR (95% CI)** |  |
|  |  | **N (%)** | **N (%)** |  |  |
| **Ever been treated for an STD/STI** | Yes  No | 73 (34.43)  139 (65.57) | 28 (6.86)  380 (93.14) | 1  7.1 (4.42 – 11.48) | 0.001 |
| **Ever smoked cigarette** | Yes  No | 15 (7.08)  197 (92.92) | 3 (0.78)  408 (99.27) | 1  0.10 (0.03 – 0.34) | 0.001 |
| **Ever drunk alcohol** | Yes  No | 44 (20.66)  169 (79.34) | 37 (9.00)  374 (91.00) | 1  0.38 (0.24 – 0.61) | 0.001 |
| **Has a friend who is smoking cigarette** | Yes  No | 54 (25.47)  158 (74.53) | 38 (9.29)  371 (90.71) | 1  0.30 (0.19 – 0.47) | 0.001 |
| **Has a friend who is drinking alcohol** | Yes  No | 100 (47.17)  112 (52.83) | 85 (20.68)  326 (79.32) | 1  0.29 (0.20 – 0.42) | 0.001 |
| **Ever been influenced to smoke/drink** | Yes  No | 67 (31.90)  143 (68.10) | 43 (10.49)  367 (89.51) | 1  0.25 (0.16 – 0.38) | 0.001 |

† Fisher’s exact test was used where we had a cell count less than 5

## Table 5: Adjusted effects for predictors of ever having had sex from a multiple logistic regression among perinatally HIV -infected adolescents

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Sexually active** | |  |  |
|  | **Yes** | **No** | **Adjusted** | **P-** |
| **Variables** | **num. (%)** | **num. (%)** | **OR (95% CI)** | **Value** |
| **Age groups**  10 – 14 years  15 – 19 years | 6 (2.82)  207 (97.18) | 108 (26.41)  301 (73.59) | 1  6.28 (2.63 – 14.99) | 0.001 |
| **Education status**  Out of school  In school | 111 (52.11)  102 (47.89) | 55 (13.38)  356 (86.62) | 1  0.20 (0.13 – 0.30) | 0.001 |
| **Parenthood status - Living with**  Both parents  One parent (one dead)  One parent (other alive)  Guardian/siblings  Living alone |  |  |  |  |
| 36 (17.39)  60 (28.99)  19 (9.18)  78 (37.68)  14 (6.76) | 69 (16.87)  136 (33.25)  32 (7.82)  167 (40.83)  5 (1.22) | 1  0.88 (0.48 – 1.61)  1.13 (0.47 – 2.69)  0.86 (0.48 – 1.54)  4.33 (1.13 – 16.62) | 0.68  0.78  0.61  0.03 |
| **Ever been treated for an STD/STI**  Yes  No | 73 (34.43)  139 (65.57) | 28 (6.86)  380 (93.14) | 1  0.19 (0.11 – 0.32) | 0.001 |
| **Ever drunk alcohol**  Yes  No | 44 (20.66)  169 (79.34) | 37 (9.00)  374 (91.00) | 1  0.49 (0.28 –0.87) | 0.02 |

*AOR* adjusted odds ratio, adjusted for variables included in the model