**Supplemental Digital Content 1**

Table S1. Multiple logistic regression models of the association between age-disparate partnerships and HIV status among 15-24 year old women presented in Table 2, Column 3.

|  |  |  |  |
| --- | --- | --- | --- |
|  | (1) | (2) | (3) |
|  | HIV+ | HIV+ | HIV+ |
|  | aOR(95%CI) | aOR(95%CI) | aOR(95%CI) |
|  |  |  |  |
| Age disparate: last partner | 1.51\*\*\* | - | - |
|  | (1.15 - 1.99) | - | - |
| Age disparate: last 3 partners | - | 1.58\*\*\* | - |
|  | - | (1.20 - 2.09) | - |
| Age disparate: 1st or last 3 partners | - | - | 1.56\*\* |
|  | - | - | (1.08 - 2.26) |
| Age | 1.25\*\*\* | 1.26\*\*\* | 1.25\*\*\* |
|  | (1.15 - 1.36) | (1.16 - 1.36) | (1.14 - 1.36) |
| Grade 12 completed (ref = not completed) | 0.69\*\* | 0.69\*\* | 0.66\* |
|  | (0.49 - 0.98) | (0.49 - 0.97) | (0.43 - 1.01) |
| Always lived in study area | 0.81 | 0.80 | 0.83 |
|  | (0.54 - 1.23) | (0.53 - 1.20) | (0.53 - 1.31) |
| Household assets (0-14) | 0.94 | 0.95 | 0.99 |
|  | (0.86 - 1.03) | (0.87 - 1.04) | (0.89 - 1.10) |
| Household monthly income (ref: <R500) |  |  |  |
| R501-R2500 | 0.92 | 0.89 | 0.84 |
|  | (0.59 - 1.45) | (0.56 - 1.41) | (0.46 - 1.52) |
| R2501-R6000 | 0.88 | 0.88 | 0.87 |
|  | (0.52 - 1.49) | (0.54 - 1.44) | (0.49 - 1.56) |
| >R6000 | 1.11 | 0.99 | 0.98 |
|  | (0.43 - 2.84) | (0.42 - 2.33) | (0.39 - 2.48) |
| Missing data | 0.91 | 0.87 | 0.98 |
|  | (0.47 - 1.75) | (0.46 - 1.67) | (0.44 - 2.19) |
| Number of lifetime sexual partners (ref=1) |  |  |  |
| Two | 1.44 | 1.42 | 1.42 |
|  | (0.91 - 2.30) | (0.89 - 2.25) | (0.84 - 2.39) |
| Three | 2.18\*\*\* | 2.11\*\*\* | 1.78\* |
|  | (1.32 - 3.60) | (1.28 - 3.50) | (0.99 - 3.21) |
| Four or more | 2.15\*\*\* | 2.30\*\*\* | 2.50\*\*\* |
|  | (1.25 - 3.71) | (1.33 - 3.96) | (1.33 - 4.69) |
| Missing data | 1.51 | 1.51 | 1.98 |
|  | (0.83 - 2.75) | (0.83 - 2.75) | (0.33 - 11.72) |
| Ever tested for HIV | 0.90 | 0.91 | 0.79 |
|  | (0.54 - 1.49) | (0.56 - 1.50) | (0.40 - 1.58) |
| Sources of HIV information (0-16) | 0.93 | 0.93 | 0.93 |
|  | (0.81 - 1.06) | (0.82 - 1.06) | (0.80 - 1.08) |
|  |  |  |  |
| Observations | 1,432 | 1,453 | 1,067 |

Notes: \*\*\* p<0.01, \*\* p<0.05, \* p<0.1. aOR: Adjusted odds ratios; 95%CI: 95% Confidence interval.

Robust standard errors, clustered at the enumeration area level.

**Supplemental Digital Content 2**

Table S2. Multiple logistic regression analysis of the association between age and (1) self-reported HIV-positive and (2) self-reported ART use among HIV-positive men in our sample.

|  |  |  |
| --- | --- | --- |
|  | (1) | (2) |
| VARIABLES | Self-reported HIV+ | Self-reported ART use |
|  |  |  |
| Age | 1.12\*\*\* | 1.13\*\*\* |
|  | (1.06 - 1.19) | (1.06 - 1.21) |
| Grade 12 completed (ref = no) | 0.28\*\*\* | 0.37\*\* |
|  | (0.13 - 0.60) | (0.14 - 0.98) |
| Always lived in study area | 1.33 | 1.25 |
|  | (0.56 - 3.16) | (0.44 - 3.54) |
| Household assets (0-14) | 1.33\*\* | 1.13 |
|  | (1.07 - 1.66) | (0.87 - 1.46) |
| Household monthly income (ref: <R500) | |  |
| R501-R2500 | 0.74 | 2.44 |
|  | (0.30 - 1.83) | (0.66 - 9.06) |
| R2501-R6000 | 0.61 | 2.29 |
|  | (0.18 - 2.07) | (0.42 - 12.52) |
| >R6000 | 0.15\* | 0.77 |
|  | (0.02 - 1.19) | (0.05 - 11.03) |
| Missing data | 1.22 | 4.70\* |
|  | (0.32 - 4.60) | (0.82 - 27.08) |
| Constant | 0.01\*\*\* | 0.00\*\*\* |
|  | (0.00 - 0.09) | (0.00 - 0.03) |
|  |  |  |
| Observations | 170 | 171 |

Notes: \*\*\* p<0.01, \*\* p<0.05, \* p<0.1. Adjusted odds ratios with 95% CI in parentheses.

Robust standard errors, clustered at the enumeration area level