**Supplemental Digital Content 1**

**Table S1: Univariate logistic regression analysis of baseline factors associated with baseline HSV-2 sero-status**

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| --- | --- | --- | --- | --- | --- |
|  Baseline factor | Prevalence of the baseline factor in the study cohort (%) | odds ratio | 95% Lower- bound | 95% Upper- bound | Univariate p-value |
| Male circumcision (circumcised)  | 56 | 0.28 | 0.24 | 0.33 | <0.001 |
| Race (White) | 49 | 0.27 | 0.23 | 0.31 | <0.001 |
| Age younger than 30 years | 53 | 0.32 | 0.28 | 0.37 | <0.001 |
| North America and Australia region | 65 | 0.31 | 0.27 | 0.35 | <0.001 |
| Ad5 titer greater than 18 | 58 | 0.53 | 0.47 | 0.61 | <0.001 |
| STD (yes) | 3 | 0.83 | 0.48 | 1.42 | 0.49 |
| GUD (yes) | 0.7 | 3 | 0.9 | 13.52 | 0.1 |
| Risk behaviors (6 months prior to enrollment) |  |  |  |  |  |
| Any Drug use | 27 | 0.39 | 0.32 | 0.48 | <0.001 |
| POPPERS use | 7 | 0.46 | 0.32 | 0.66 | <0.001 |
| SPEED use | 3 | 0.4 | 0.21 | 0.73 | 0.004 |
| Number of male partners (>4) | 17 | 0.77 | 0.61 | 0.96 | 0.02 |
| Unprotected receptive anal sex with HIV positive partner (yes) | 2 | 0.44 | 0.21 | 0.87 | 0.02 |
| Unprotected receptive anal sex with HIV-negative partner (yes) | 11 | 0.45 | 0.33 | 0.6 | <0.001 |
| Unprotected receptive anal sex with HIV-negative partner (yes) | 11 | 0.71 | 0.53 | 0.94 | 0.02 |
| Unprotected insertive anal sex with HIV positive partner (yes) | 5 | 0.44 | 0.28 | 0.69 | <0.001 |
| Unprotected insertive anal sex with HIV-negative partner (yes) | 13 | 0.32 | 0.24 | 0.43 | <0.001 |
| Unprotected insertive anal sex with HIV-negative partner (yes) | 22 | 0.43 | 0.33 | 0.57 | <0.001 |
| Unprotected receptive anal sex regardless of partners’ HIV sero-status (yes) | 22 | 0.57 | 0.46 | 0.7 | <0.001 |
| Unprotected insertive anal sex regardless of partners’ HIV sero-status (yes) | 27 | 0.36 | 0.3 | 0.44 | <0.001 |