**Supplement Table 1.** Summary of receptive anal intercourse and receptive vaginal intercourse frequency and condom use, as reported in face-to-face interviews and by audio computer-assisted self-interview at enrollment and three-month follow-up.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Enrollment, face-to-face interviews** | **Enrollment, ACASI** | **Three-month follow-up, face-to-face interviews** | **Three-month follow-up, ACASI** |
| Number of RAI acts, median (IQR)1 | 1.5 (1.0, 3.0) | 1.5 (1.0, 4.0) | -- | 2.0 (1.0, 4.0) |
| Number of RAI acts, total | 1303 | 1,0863 | -- | 9483 |
| Last RAI act condom-protected, *n* (%) | 35 (64.8) | 210 (62.9) | -- | 168 (62.2) |
| Number of RVI acts, median (IQR)2 | 20.0 (7.0, 36.0)3 | -- | 3.0 (2.0, 4.0)4 | -- |
| Number of RVI acts, total | 69,3373 | -- | 7,0364 | -- |
| Last RVI act condom-protected, *n* (%) | 1,499 (57.4) | -- | 1,058 (54.8) | -- |

1 Calculated from among women reporting any RAI acts

2 Calculated from among women reporting any RVI acts

3 Acts were reported for the prior three months

4 Acts were reported for the prior seven days

RAI = receptive anal intercourse; RVI = receptive vaginal intercourse; ACASI = audio computer-assisted self-interview

**Supplement Table 2**. Efficacy of the dapivirine-containing vaginal ring and RAI interaction effect in primary and sensitivity analyses.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Analysis** | **Hazard ratio of DPV ring****(95% CI)1** | ***p*** | **Interaction effect of RAI and DPV ring,****Hazard ratio (95% CI)1** | ***p*** |
| Any RAI at baseline or month three, *n* = 2,4782 | 0.73 (0.51, 1.05) | 0.089 | 1.12 (0.53, 2.35) | 0.770 |
| Excluding Isipingo and Tongaat sites, *n* = 2,2772 | 0.62 (0.42, 0.91) | 0.016 | 1.23 (0.53, 2.85) | 0.625 |
| Excluding women < 25 years, *n* = 1,5282 | 0.51 (0.30, 0.88) | 0.015 | 0.78 (0.18, 3.35) | 0.739 |
| Total number of RAI acts at baseline and month three, *n* = 2,4163 | 0.68 (0.49, 0.96) | 0.026 | 1.09 (0.97, 1.23) | 0.137 |

1 Estimates and *p*-values are obtained from Cox proportional hazards models stratified by site and adjusted for baseline report of transactional sex, education level, and use of hormonal injectable contraception.

2 Women missing responses to RAI items at both baseline and month three, or reporting no RAI at one time point and missing a response at the other, are excluded.

3 Women missing responses to RAI items at either baseline or month three are excluded.

RAI = receptive anal intercourse; DPV = dapivirine