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| **Factor** | **Treatment** | **Control** | **p-value** |
| *Baseline Individual Characteristics* | *N = 1177* | *N = 1187* |  |
| Female gender (0/1) | 795 (67.5%) | 836 (70.4%) | 0.454 |
| Age, mean (SD) | 21.36 (1.93) | 21.28 (1.94) | 0.334 |
| Education level |  |  | 0.448 |
| Primary | 219 (18.6%) | 297 (25.0%) |  |
| Secondary | 790 (67.1%) | 719 (60.6%) |  |
| Higher | 168 (14.3%) | 170 (14.3%) |  |
| Literacy (0/1) | 950 (80.7%) | 880 (74.1%) | 0.104 |
| Married (0/1) | 385 (32.7%) | 451 (38.0%) | 0.366 |
| Has children (0/1) | 552 (48.3%) | 604 (52.6%) | 0.394 |
| Is currently employed (0/1) | 255 (21.7%) | 233 (19.6%) | 0.334 |
| Language survey was conducted in |  |  | 0.516 |
| English | 562 (47.7%) | 518 (43.6%) |  |
| Bemba | 79 (6.7%) | 71 (6.0%) |  |
| Nyanja | 536 (45.5%) | 598 (50.4%) |  |
| Age at first sex, mean (SD) | 17.29 (2.46) | 17.30 (2.32) | 0.944 |
| Lifetime sex partners (n), mean (SD) | 3.54 (6.33) | 3.38 (6.01) | 0.657 |
| Sex partners in last 6 months (n), mean (SD) | 1.29 (1.08) | 1.28 (1.72) | 0.927 |
| Frequency of sex in last month (n), mean (SD) | 3.43 (5.71) | 3.46 (6.08) | 0.936 |
| Has been tested for STIs (0/1) | 939 (79.8%) | 941 (79.4%) | 0.879 |
| Has experienced a male condom break (0/1) | 275 (23.4%) | 224 (18.9%) | 0.033\* |
| Male condom attitudes index, mean (SD) | 0.11 (1.04) | 0.11 (1.05) | 0.959 |
| Used male condom at most recent sex (0/1) | 508 (43.2%) | 458 (38.6%) | 0.348 |
| Contraceptive knowledge index, mean (SD) | -0.36 (0.90) | -0.37 (0.91) | 0.967 |
| Modern contraceptive methods known (n), mean (SD) | 3.43 (2.02) | 3.48 (1.99) | 0.810 |
| Discussed contraceptive use with recent partner (0/1) | 741 (63.1%) | 716 (60.7%) | 0.400 |
| Must travel more than 30 min to get contraceptives (0/1) | 374 (36.3%) | 428 (41.5%) | 0.217 |
| Can identify a female condom (0/1) | 625 (53.1%) | 545 (45.9%) | 0.028\* |
| Would be willing to try a female condom (0/1) | 710 (60.3%) | 677 (57.0%) | 0.202 |
| Female condom attitudes index, mean (SD) | -0.05 (0.86) | 0.05 (0.88) | 0.214 |
| Has ever used a female condom (0/1) | 67 (5.7%) | 59 (5.0%) | 0.405 |
| Used a female condom in last 6 months (0/1) | 21 (1.8%) | 30 (2.5%) | 0.193 |
| Used a female condom at most recent sex (0/1) | 7 (0.6%) | 19 (1.6%) | 0.021\* |
| *Ward-Level Characteristics* | *N = 20* | *N = 20* |  |
| Ward Percentage of Population Living Below the Poverty Line |  |  | 0.41 |
| Less than 10% | 3 (15%) | 4 (20%) |  |
| 10%-20% | 9 (45%) | 5 (25%) |  |
| More than 20% | 8 (40%) | 11 (55%) |  |
| Ward Population Density, mean (SD) | 5881.10 (6733.93) | 9564.00 (10541.79) | 0.20 |
| *Joint Test for Balance* |  |  |  |
| F-statistic |  |  |  |

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|  |  |  | **Crude** |  |  |  | **Adjusted** |  |  |  |
| **Outcome** | **Control** | **Treatment** | **RD** | **95% CI** | **OR** | **95% CI** | **RD** | **95% CI** | **OR** | **95% CI** |
| Male condom attitudes index | 0.07 (1.03) | 0.04 (0.97) | -0.031 | (-0.167, 0.106) |  |  | 0.011 | (-0.103, 0.125) |  |  |
| Used male condom at most recent sex (0/1) | 528 (43.07%) | 540 (44.85%) | 0.018 | (-0.065, 0.101) | 1.08 | (0.77, 1.50) | -0.002 | (-0.046, 0.041) | 0.98 | (0.77, 1.23) |
| Contraceptive knowledge index | 0.34 (0.98) | 0.37 (0.94) | 0.029 | (-0.090, 0.148) |  |  | 0.029 | (-0.068, 0.125) |  |  |
| Modern contraceptive methods known (n) | 5.87 (2.52) | 5.84 (2.58) | -0.033 | (-0.332, 0.265) |  |  | -0.020 | (-0.327, 0.287) |  |  |
| Discussed contraceptive use with recent partner (0/1) | 890 (72.89%) | 881 (73.72%) | 0.008 | (-0.056, 0.072) | 1.04 | (0.75, 1.45) | -0.012 | (-0.065, 0.040) | 0.94 | (0.72, 1.24) |
| Can identify a female condom (0/1) | 678 (55.30%) | 724 (60.13%) | 0.048 | (-0.014, 0.111) | 1.22 | (0.94, 1.57) | 0.048+ | (0.001, 0.096) | 1.23\* | (1.00, 1.52) |
| Would be willing to try a female condom (0/1) | 714 (58.24%) | 715 (59.39%) | 0.011 | (-0.037, 0.060) | 1.05 | (0.86, 1.28) | -0.006 | (-0.054, 0.043) | 0.98 | (0.80, 1.20) |
| Female condom attitudes index | 0.01 (0.88) | -0.02 (0.86) | -0.031 | (-0.155, 0.093) |  |  | -0.000 | (-0.111, 0.111) |  |  |
| Has ever used a female condom (0/1) | 71 (5.79%) | 86 (7.14%) | 0.014 | (-0.005, 0.032) | 1.25 | (0.92, 1.71) | 0.013 | (-0.005, 0.032) | 1.25 | (0.91, 1.73) |
| Used a female condom in last 6 months (0/1) | 28 (2.28%) | 34 (2.82%) | 0.005 | (-0.006, 0.017) | 1.24 | (0.78, 1.98) | 0.007 | (-0.004, 0.018) | 1.33 | (0.86, 2.05) |
| Used a female condom at most recent sex (0/1) | 8 (0.65%) | 9 (0.75%) | 0.001 | (-0.006, 0.008) | 1.15 | (0.43, 3.09) | 0.005 | (-0.003, 0.012) | 2.02 | (0.66, 6.22) |

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|  | **Male** |  |  |  | **Female** |  |  |  |  |
| **Outcome** | **RD** | **95% CI** | **OR** | **95% CI** | **RD** | **95% CI** | **OR** | **95% CI** | **P-value** |
| Male condom attitudes index | 5.18% | (-13.55%, 23.92%) |  |  | -0.33% | (-11.54%, 10.87%) |  |  | 0.526 |
| Used male condom at most recent sex (0/1) | 5.59% | (-2.68%, 13.85%) | 1.28 | (0.85, 1.94) | -2.24% | (-6.37%, 1.89%) | .88 | (0.70, 1.10) | 0.063 |
| Contraceptive knowledge index | 3.23% | (-11.55%, 18.00%) |  |  | 2.74% | (-7.52%, 13.00%) |  |  | 0.949 |
| Modern contraceptive methods known (n) | 1.12% | (-48.26%, 50.50%) |  |  | -3.10% | (-35.76%, 29.57%) |  |  | 0.869 |
| Discussed contraceptive use with recent partner (0/1) | 1.55% | (-5.03%, 8.13%) | 1.1 | (0.76, 1.60) | -2.19% | (-8.37%, 3.99%) | .9 | (0.66, 1.23) | 0.365 |
| Can identify a female condom (0/1) | 7.20%\* | (0.84%, 13.56%) | 1.45\* | (1.04, 2.02) | 4.05% | (-0.99%, 9.08%) | 1.18 | (0.96, 1.46) | 0.194 |
| Would be willing to try a female condom (0/1) | -2.02% | (-10.42%, 6.38%) | .92 | (0.63, 1.34) | -0.06% | (-5.77%, 5.64%) | 1 | (0.79, 1.26) | 0.716 |
| Female condom attitudes index | 0.62% | (-17.23%, 18.48%) |  |  | -0.34% | (-13.01%, 12.34%) |  |  | 0.926 |
| Has ever used a female condom (0/1) | 1.25% | (-2.55%, 5.05%) | 1.13 | (0.74, 1.72) | 1.36% | (-0.71%, 3.42%) | 1.34 | (0.87, 2.07) | 0.556 |
| Used a female condom in last 6 months (0/1) | 1.34% | (-1.46%, 4.14%) | 1.3 | (0.75, 2.26) | 0.48% | (-0.64%, 1.59%) | 1.36 | (0.64, 2.88) | 0.924 |
| Used a female condom at most recent sex (0/1) | 0.48% | (-1.81%, 2.78%) | 1.77 | (0.38, 8.30) | 0.46% | (-0.27%, 1.19%) | 2.49 | (0.42, 14.88) | 0.781 |

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|  | **Unmarried** |  |  |  | **Married** |  |  |  |  |
| **Outcome** | **RD** | **95% CI** | **OR** | **95% CI** | **RD** | **95% CI** | **OR** | **95% CI** | **P-value** |
| Male condom attitudes index | 1.85% | (-10.96%, 14.67%) |  |  | -0.40% | (-17.69%, 16.88%) |  |  | 0.816 |
| Used male condom at most recent sex (0/1) | 2.75% | (-3.05%, 8.55%) | 1.11 | (0.85, 1.43) | -6.26%\*\* | (-10.62%, -1.89%) | .55\*\* | (0.36, 0.85) | 0.004 |
| Contraceptive knowledge index | 2.84% | (-8.58%, 14.26%) |  |  | 2.92% | (-11.40%, 17.23%) |  |  | 0.993 |
| Modern contraceptive methods known (n) | 5.69% | (-31.57%, 42.94%) |  |  | -17.92% | (-54.07%, 18.24%) |  |  | 0.299 |
| Discussed contraceptive use with recent partner (0/1) | 1.00% | (-4.50%, 6.51%) | 1.07 | (0.78, 1.47) | -5.79% | (-13.08%, 1.50%) | .77 | (0.56, 1.06) | 0.058 |
| Can identify a female condom (0/1) | 6.71%\* | (1.18%, 12.24%) | 1.35\* | (1.05, 1.74) | 0.92% | (-6.48%, 8.32%) | 1.04 | (0.76, 1.41) | 0.161 |
| Would be willing to try a female condom (0/1) | -0.89% | (-6.09%, 4.32%) | .96 | (0.77, 1.21) | 0.10% | (-7.63%, 7.82%) | 1 | (0.73, 1.37) | 0.814 |
| Female condom attitudes index | 2.60% | (-8.69%, 13.89%) |  |  | -6.85% | (-26.60%, 12.89%) |  |  | 0.340 |
| Has ever used a female condom (0/1) | 1.20% | (-1.05%, 3.44%) | 1.19 | (0.84, 1.69) | 1.60% | (-1.66%, 4.86%) | 1.44 | (0.69, 3.02) | 0.649 |
| Used a female condom in last 6 months (0/1) | 0.83% | (-0.68%, 2.34%) | 1.33 | (0.80, 2.21) | 0.44% | (-0.96%, 1.84%) | 1.32 | (0.45, 3.90) | 0.995 |
| Used a female condom at most recent sex (0/1) | 0.59% | (-0.38%, 1.55%) | 2.25 | (0.68, 7.42) | 0.21% | (-0.71%, 1.14%) | 1.19 | (0.11, 13.45) | 0.619 |

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|  | **Control** | **Treatment** | **CACE** |  |  |  |
| **Outcome** |  |  | **RD** | **95% CI** | **OR** | **95% CI** |
| Male condom attitudes index | 0.11 | 0.10 | 0.06 | (-0.18, 0.31) |  |  |
| Used male condom at most recent sex (0/1) | 0.41 | 0.45 | -0.03 | (-0.14, 0.09) | 0.90 | (0.56, 1.43) |
| Contraceptive knowledge index | -0.36 | 0.38 | 0.74\*\*\* | (0.52, 0.97) |  |  |
| Modern contraceptive methods known (n) | 3.46 | 5.95 | 2.52\*\*\* | (1.88, 3.17) |  |  |
| Discussed contraceptive use with recent partner (0/1) | 0.62 | 0.88 | 0.25\*\*\* | (0.17, 0.34) | 4.32\*\*\* | (2.26, 17.13) |
| Can identify a female condom (0/1) | 0.50 | 0.83 | 0.34\*\*\* | (0.25, 0.43) | 5.22\*\*\* | (3.01, 12.69) |
| Would be willing to try a female condom (0/1) | 0.59 | 0.65 | 0.06 | (-0.06, 0.17) | 1.27 | (0.77, 2.27) |
| Female condom attitudes index | 0.00 | 0.10 | 0.16 | (-0.10, 0.42) |  |  |
| Has ever used a female condom (0/1) | 0.05 | 0.18 | 0.13\*\* | (0.03, 0.22) | 3.90\*\* | (1.67, 6.72) |
| Used a female condom in last 6 months (0/1) | 0.02 | 0.09 | 0.07\* | (0.00, 0.14) | 4.94\* | (1.11, 9.39) |

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|  | **OLS, Clustered SEs** |  | **OLS, Pooled** |  | **GEE** |  | **HLM, Ward Intercepts** |  |
| **Outcome** | **RD** | **95% CI** | **RD** | **95% CI** | **RD** | **95% CI** | **RD** | **95% CI** |
| Male condom attitudes index | 0.011 | (-0.103, 0.125) | 0.014 | (-0.101, 0.130) | 0.011 | (-0.097, 0.119) | 0.011 | (-0.099, 0.120) |
| Used male condom at most recent sex (0/1) | -0.002 | (-0.046, 0.041) | -0.006 | (-0.047, 0.036) | -0.002 | (-0.044, 0.040) | -0.002 | (-0.044, 0.039) |
| Contraceptive knowledge index | 0.029 | (-0.068, 0.125) | 0.059 | (-0.061, 0.179) | 0.029 | (-0.071, 0.129) | 0.029 | (-0.072, 0.129) |
| Modern contraceptive methods known (n) | -0.020 | (-0.327, 0.287) | -0.040 | (-0.386, 0.305) | -0.015 | (-0.306, 0.276) | -0.015 | (-0.307, 0.277) |
| Discussed contraceptive use with recent partner (0/1) | -0.012 | (-0.065, 0.040) | -0.021 | (-0.078, 0.035) | -0.011 | (-0.064, 0.042) | -0.011 | (-0.064, 0.042) |
| Can identify a female condom (0/1) | 0.048+ | (0.001, 0.096) | 0.057+ | (0.001, 0.112) | 0.048+ | (-0.003, 0.099) | 0.048+ | (-0.003, 0.099) |
| Would be willing to try a female condom (0/1) | -0.006 | (-0.054, 0.043) | 0.005 | (-0.056, 0.066) | -0.006 | (-0.051, 0.040) | -0.006 | (-0.051, 0.040) |
| Female condom attitudes index | -0.000 | (-0.111, 0.111) | 0.068 | (-0.063, 0.198) | 0.002 | (-0.102, 0.107) | 0.003 | (-0.104, 0.109) |
| Has ever used a female condom (0/1) | 0.013 | (-0.005, 0.032) | 0.019 | (-0.005, 0.042) | 0.013 | (-0.004, 0.031) | 0.013 | (-0.007, 0.034) |
| Used a female condom in last 6 months (0/1) | 0.007 | (-0.004, 0.018) | 0.011 | (-0.003, 0.024) | 0.007 | (-0.005, 0.019) | 0.007 | (-0.006, 0.020) |
| Used a female condom at most recent sex (0/1) | 0.005 | (-0.003, 0.012) | 0.006 | (-0.003, 0.015) | 0.005 | (-0.002, 0.012) | 0.005 | (-0.003, 0.012) |

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|  | **Logit, Clustered SEs** |  | **GEE, Binomial** |  | **HLM Logit, Ward Intercepts** |  |
| **Outcome** | **OR** | **95% CI** | **OR** | **95% CI** | **OR** | **95% CI** |
| Used male condom at most recent sex (0/1) | 0.98 | (0.77, 1.23) | 0.98 | (0.79, 1.23) | 0.97 | (0.78, 1.21) |
| Discussed contraceptive use with recent partner (0/1) | 0.94 | (0.72, 1.24) | 0.94 | (0.71, 1.25) | 0.96 | (0.72, 1.28) |
| Can identify a female condom (0/1) | 1.23\* | (1.00, 1.52) | 1.23+ | (0.99, 1.55) | 1.23+ | (0.98, 1.55) |
| Would be willing to try a female condom (0/1) | 0.98 | (0.80, 1.20) | 0.98 | (0.81, 1.19) | 0.98 | (0.81, 1.19) |
| Has ever used a female condom (0/1) | 1.25 | (0.91, 1.73) | 1.26 | (0.91, 1.73) | 1.25 | (0.88, 1.78) |
| Used a female condom in last 6 months (0/1) | 1.33 | (0.86, 2.05) | 1.32 | (0.79, 2.21) | 1.33 | (0.77, 2.29) |
| Used a female condom at most recent sex (0/1) | 2.02 | (0.66, 6.22) | 2.03 | (0.72, 5.74) | 2.02 | (0.67, 6.07) |