**Supplementary Table 1. Association between fertility desire and exploratory self-reported behavioral outcomes and STIs, stratified by use of modern non-barrier contraceptive methods**

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| **Outcome** | **Visits with fertility desire** | **Visits without fertility desire** | **RR (95% CI)** | **p-value** | **aRR (95% CI)** | **p-value** |
| *Visits when women reported not using any modern non-barrier contraceptive method* |
|  No sex in past week1 | 342/878 (39.0) | 1,222/2,338 (52.3) | 0.75 (0.55, 1.01) | 0.06 | 0.74 (0.54, 1.00)2 | 0.05 |
|  100% condom use in past week3 | 406/536 (75.8) | 917/1,116 (82.2) | 0.92 (0.79, 1.08) | 0.30 | 0.92 (0.79, 1.07) | 0.29 |
|  ≥3 sex acts in past week3  | 140/536 (35.5) | 279/1,116 (25.0) | 1.42 (0.95, 2.12) | 0.09 | 1.38 (0.95, 2.01) | 0.09 |
|  ≥2 sexual partners in past week3  | 224/536 (41.8) | 374/1,116 (33.5) | 1.25 (0.84, 1.84) | 0.27 | 1.24 (0.83, 1.85) | 0.30 |
|  Any STI4 | 30/383 (7.8) | 106/1,007 (10.5) | 0.74 (0.45, 1.22) | 0.24 | 0.80 (0.48, 1.34) | 0.41 |
| *Visits when women reported using any modern non-barrier contraceptive method* |
|  No sex in past week | 55/180 (30.6) | 493/1,252 (39.4) | 0.78 (0.51, 1.05) | 0.36 | 0.94 (0.55, 1.62)5 | 0.83 |
|  100% condom use in past week6 | 79/125 (63.2) | 659/760 (86.7) | 0.73 (0.51, 1.05) | 0.09 | 0.74 (0.52, 1.05) | 0.09 |
|  ≥3 sex acts in past week6 | 43/125 (34.4) | 231/760 (30.4) | 1.13 (0.58, 2.22) | 0.72 | 0.99 (0.55, 1.81) | 0.99 |
|  ≥2 sexual partners in past week6 | 57/125 (45.6) | 293/760 (38.6) | 1.18 (0.61, 2.29) | 0.62 | 1.10 (0.59, 2.05) | 0.76 |
|  Any STI4 | 2/77 (2.6) | 51/573 (9.5) | 0.27 (0.07, 1.12) | 0.07 | 0.20 (0.05, 0.80) | 0.02 |

RR, Relative Risk; aRR, adjusted Relative Risk; PSA, prostate specific antigen test; STI, sexually transmitted infection

1 All secondary behavioral outcomes collected monthly.

2 Final models in visits with no modern contraceptive use or condoms only were adjusted for age (continuous), number of live births at enrollment (continuous), and included 196 women and 1,383 examination visits.

3 Continuous outcomes were dichotomized at the median. Restricted to visits at which women reported being sexually active during the past week, and included 171 women and 1,639 visits.

4 STI testing was performed quarterly. Binary results were any laboratory confirmed Chlamydia trachomatis, Neisseria gonorrhoeae, or Trichomonas vaginalis.

5 Final models in visits with any modern non-barrier contraceptive use were adjusted for age (continuous), number of live births at enrollment, and age of first sex (binary), and included 100 women and 613 examination visits.

6 Continuous outcomes were dichotomized at the median. Restricted to visits at which women reported being sexually active during the past week, and included 92 women and 855 visits.