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| **Supplementary Table 13.** Combined Gonorrhea and Chlamydia (NG/CT) Incidence, Percent of Infections Averted (PIA), Per-Capita Number of Times Infected, and Percentages of Partners Provided with EPT Medication Who Have a Prevalent Undiagnosed HIV and Do Not Have NG/CT Infection Across Varying EPT Treatment Success among Men Who Have Sex with Men | | | | | |
|  | **Incidence**  *(Median, IQR)* | **Cumulative PIA** *(Median, IQR)* | **Per-Capita Times Infected** *(Median, IQR)* | **Percentage of Partners Provided With Undiagnosed HIV**  *(Median, IQR)* | **Percentage of Partners Provided Without STI** *(Median, IQR)* |
| **Reference Model** | 11.46 (9.55, 14.17) | --- | 1.18 (1.05, 1.34) | --- | --- |
| **EPT Treatment Success** |  |  |  |  |  |
| 100% | 6.05 (4.79, 7.73) | 0.27 (0.13, 0.39) | 0.87 (0.79, 1.00) | 4.16 (3.65, 4.66) | 53.57 (52.39, 54.80) |
| 90% | 6.12 (4.85, 7.91) | 0.26 (0.14, 0.40) | 0.88 (0.76, 0.99) | 4.13 (3.56, 4.77) | 53.68 (52.44, 55.04) |
| 80% | 6.97 (5.45, 8.35) | 0.22 (0.09, 0.35) | 0.93 (0.81, 1.04) | 4.15 (3.68, 4.71) | 53.58 (52.48, 54.92) |
| 70% | 7.34 (5.87, 8.82) | 0.21 (0.08, 0.32) | 0.95 (0.85, 1.05) | 4.09 (3.56, 4.62) | 53.76 (52.62, 54.67) |
| 60% | 7.69 (6.34, 9.34) | 0.20 (0.05, 0.31) | 0.98 (0.86, 1.08) | 4.21 (3.69, 4.74) | 53.80 (52.81, 54.80) |
| 50% | 7.95 (6.14, 9.94) | 0.19 (0.01, 0.32) | 1.00 (0.86, 1.12) | 4.17 (3.69, 4.65) | 53.73 (52.46, 54.93) |
| 40% | 8.79 (6.82, 11.00) | 0.15 (-0.01, 0.28) | 1.02 (0.91, 1.15) | 4.27 (3.72, 4.81) | 53.69 (52.71, 54.94) |
| 30% | 9.30 (7.61, 11.41) | 0.10 (-0.07, 0.23) | 1.07 (0.96, 1.19) | 4.21 (3.76, 4.80) | 53.53 (52.15, 54.73) |
| 20% | 9.98 (8.24, 11.89) | 0.07 (-0.09, 0.22) | 1.11 (1.00, 1.24) | 4.14 (3.76, 4.63) | 53.83 (52.60, 54.80) |
| 10% | 10.58 (8.46, 12.53) | 0.05 (-0.11, 0.19) | 1.13 (1.00, 1.28) | 4.13 (3.74, 4.63) | 53.68 (52.67, 54.74) |
| 0% | 11.46 (9.36, 13.36) | 0.01 (-0.19, 0.18) | 1.18 (1.06, 1.33) | 4.05 (3.67, 4.58) | 53.68 (52.77, 54.83) |
| IQR: interquartile range (25% and 75% percentiles) of the simulation outcomes; Incidence expressed per 100 person-years at risk at final year of simulation; All outcomes are compared to the reference model. Assumed that EPT Coverage among Index Patients is 20%. | | | | | |