# Supplemental Table 3. Effectiveness of HIV Prevention Interventions in the Goals Model

| **Intervention** | **Effectiveness**  | **Indicator** | **Source** |
| --- | --- | --- | --- |
| Condom use | 78%-83% (35%-94%)  | Reduction in transmission per act | [1-3] |
| Voluntary medical male circumcision | 60% (51%-64%) | Reduction in transmission per act | [4-6] |
| ART with viral suppression | 100% | Reduction in transmission per act | [7-9] |
| Oral PrEP Overall High adherence (>70%) Medium adherence (40%-70%) Low adherence (<40%) MSM | 54% (34%-67%)73% (61%-81%)49% (30%-62%)7% (0%-28%)76% (46%-89%) | Reduction in transmission per act | [10][11] |
| PEP | 81% (48%-94%) | Reduction in transmission per episode | [12, 13] |
| NSEP | 42% (22%-81%) | Reduction in force of infection | [14] |
| OST | 37% (9%-57%)60% (42%-85%) | Reduction in force of infectionReduction in risk of HIV | [15][16] |
| PMTCT On ART before pregnancy Started ART during current pregnancy | 0.26% 0.0023%1.40%0.11% | Probability of peripartum transmissionMonthly probability of breastfeeding transmissionProbability of peripartum transmissionMonthly probability of breastfeeding transmission | [17] |
| Sex worker outreach | 40% (29%-50%) | OR for change in condomless sex | Author’s analysis |
| MSM outreach | 34% (10%-58%) | OR for change in condomless sex | Author’s analysis |

|  |  |  |  |
| --- | --- | --- | --- |
| Economic empowerment | 26%0%0% | Reduction in condomless sexReduction in risk behaviors (sexual debut, sexual activity, non-marital partners, alcohol use)Reduction in condomless sex | [18][19][20] |
| Comprehensive sexuality education | 15%1.34 | Reduction in condomless sexOR for condom use | [18] [21]  |

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