# 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 infection  Reduction 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 transmission  Monthly probability of breastfeeding transmission  Probability of peripartum transmission  Monthly 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 sex  Reduction 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 sex  OR for condom use | [18]  [21] |

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