

Multimedia appendix 6: Mixed-effects models for comparison of study outcomes with an adjustment of baseline characteristics

| Primary outcomes | Group × Time Effect β (95% CI) | P value^{a, b} |
|---|--|-------------------------------|
| The Self-Efficacy for Sexual Safety Scale | 2.12 (0.67 to 3.57) | 0.004 |
| The Condom Self-Efficacy Scale | | |
| Total score | 4.53 (2.03 to 7.02) | <0.001 |
| Consistent Use Subscale | 1.08 (0.45 to 1.72) | 0.001 |
| Correct Use Subscale | 1.65 (0.54 to 2.75) | 0.004 |
| Communication Subscale | 1.80 (0.79 to 2.81) | 0.001 |
| The Drug Avoidance Self-Efficacy Scale | 6.93 (1.69 to 12.17) | 0.010 |
| Secondary outcomes | Group × Time Effect odds ratio (95% CI) | P value^{a, c} |
| Had chemsex in the last 3 months | 0.23 (0.10 to 0.53) | 0.001 |
| Intended to have chemsex in the last 3 months | 0.37 (0.18 to 0.79) | 0.010 |
| Underwent HIV testing in the last 3 months ^d | 3.09 (1.72 to 5.56) | <0.001 |
| Underwent other STI testing in the last 3 months | 1.47 (0.78 to 2.76) | 0.234 |
| Had condomless sex during non-chemsex in the last 3 months (n=31) | N/A ^e | N/A ^e |
| Had condomless sex during chemsex in the last 3 months (n=31) | N/A ^e | N/A ^e |
| <p>^a Only relationship status was adjusted in the models because there was a statistically significant difference in relationship status between the intervention group and control group at baseline assessment.</p> <p>^b P values were obtained by linear mixed-effects models. The control group was the reference category in the models.</p> <p>^c P values were obtained by generalized linear mixed-effects models with logit link. The control group was the reference category in the models.</p> <p>^d Participants who reported HIV-positive at the baseline assessment were excluded from the analysis.</p> <p>^e Due to the small number of participants who engaged in chemsex in the last 3 months (n=31), the adjusted analysis was not conducted for the outcomes.</p> <p>Abbreviations: CI: confidence interval; HIV: human immunodeficiency virus; STI: sexually transmitted infection</p> | | |