

Tab. 1c Adjusted Odds Ratios from a multivariable logistic regression for self-reported HIV positive serostatus

| HIV positive serostatus | Odds Ratio | p-value | 95% CI | |
|--|-------------|---------|--------|-------|
| Age group | | | | |
| 18-20 | ref. | | | |
| 21-30 | 1.73 | 0.470 | 0.39 | 7.71 |
| 31-40 | 3.79 | 0.076 | 0.87 | 16.56 |
| 41-50 | 6.58 | 0.015 | 1.44 | 30.01 |
| >50 | 9.45 | 0.007 | 1.86 | 47.89 |
| Number of sexual male partners in the last 12 months | | | | |
| 1 | ref. | | | |
| 2-4 | 1.85 | 0.154 | 0.79 | 4.30 |
| 5-12 | 1.40 | 0.483 | 0.55 | 3.58 |
| >12 | 3.58 | 0.004 | 1.50 | 8.54 |
| Frequency of visiting gay clubs, bars, discos to meet sexual partners | | | | |
| Many times | ref. | | | |
| Sometimes | 0.41 | 0.039 | 0.18 | 0.95 |
| Rarely | 1.15 | 0.720 | 0.54 | 2.42 |
| Doesn't visit | 1.02 | 0.963 | 0.43 | 2.42 |
| Condom use in last sex intercourse | | | | |
| No | ref. | | | |
| Yes | 1.35 | 0.383 | 0.69 | 2.63 |
| Popper use before or during last sex intercourse | | | | |
| No | ref. | | | |
| Yes | 2.07 | 0.059 | 0.97 | 4.41 |
| Alcohol use before or during last sex intercourse | | | | |
| No | ref. | | | |
| Yes | 0.66 | 0.186 | 0.35 | 1.23 |

Tab. 2c Adjusted Odds Ratios from a multivariable MIXED EFFECT logistic regression for self-reported HIV positive serostatus with age group as a random effect

| HIV positive serostatus | Odds Ratio | p-value | 95% CI | |
|--|-------------|---------|--------|------|
| FIXED EFFECT | | | | |
| Number of sexual male partners in the last 12 months | | | | |
| 1 | ref. | | | |
| 2-4 | 1.85 | 0.153 | 0.80 | 4.30 |
| 5-12 | 1.42 | 0.468 | 0.55 | 3.62 |
| >12 | 3.69 | 0.003 | 1.54 | 8.81 |
| Frequency of visiting gay clubs, bars, discos to meet sexual partners | | | | |
| Many times | ref. | | | |
| Sometimes | 0.42 | 0.045 | 0.18 | 0.98 |
| Rarely | 1.18 | 0.661 | 0.56 | 2.50 |
| Doesn't visit | 1.09 | 0.842 | 0.46 | 2.58 |
| Condom use in last sex intercourse | | | | |
| No | ref. | | | |
| Yes | 1.33 | 0.399 | 0.68 | 2.60 |
| Popper use before or during last sex intercourse | | | | |
| No | ref. | | | |
| Yes | 2.02 | 0.067 | 0.95 | 4.29 |
| Alcohol use before or during last sex intercourse | | | | |
| No | ref. | | | |
| Yes | 0.66 | 0.189 | 0.35 | 1.23 |
| RANDOM EFFECT | | | | |
| AGE GROUP (var) | 0.40 | | 0.07 | 2.42 |

Tab. 3c Adjusted Odds Ratios from a multivariable MIXED EFFECT logistic regression for self-reported HIV positive serostatus with number of sexual male partners in the last 12 months as a random effect

| HIV positive serostatus | Odds Ratio | p-value | 95% CI | |
|--|-------------|---------|--------|-------|
| FIXED EFFECT | | | | |
| Age group | | | | |
| 18-20 | ref. | | | |
| 21-30 | 1.80 | 0.439 | 0.41 | 8.01 |
| 31-40 | 4.03 | 0.064 | 0.92 | 17.60 |
| 41-50 | 6.93 | 0.012 | 1.52 | 31.56 |
| >50 | 9.80 | 0.006 | 1.94 | 49.60 |
| Frequency of visiting gay clubs, bars, discos to meet sexual partners | | | | |
| Many times | ref. | | | |
| Sometimes | 0.41 | 0.038 | 0.18 | 0.95 |
| Rarely | 1.10 | 0.796 | 0.52 | 2.33 |
| Doesn't visit | 0.91 | 0.824 | 0.38 | 2.14 |
| Condom use in last sex intercourse | | | | |
| No | ref. | | | |
| Yes | 1.45 | 0.276 | 0.74 | 2.81 |
| Popper use before or during last sex intercourse | | | | |
| No | ref. | | | |
| Yes | 2.24 | 0.036 | 1.05 | 4.78 |
| Alcohol use before or during last sex intercourse | | | | |
| No | ref. | | | |
| Yes | 0.66 | 0.197 | 0.36 | 1.24 |
| RANDOM EFFECT | | | | |
| Number of sexual male partners in the last 12 months (var) | 0.14 | | 0.02 | 1.21 |

Tab. 4c Adjusted Odds Ratios from a multivariable MIXED EFFECT logistic regression for self-reported HIV positive serostatus with frequency of visiting gay clubs, bars, discos to meet sexual partners as a random effect

| HIV positive serostatus | Odds Ratio | p-value | 95% CI | |
|--|-------------|---------|--------|-------|
| FIXED EFFECT | | | | |
| Age group | | | | |
| 18-20 | ref. | | | |
| 21-30 | 1.71 | 0.482 | 0.38 | 7.59 |
| 31-40 | 3.72 | 0.080 | 0.85 | 16.22 |
| 41-50 | 6.55 | 0.015 | 1.44 | 29.86 |
| >50 | 9.43 | 0.007 | 1.87 | 47.53 |
| Number of Partner | | | | |
| 1 | ref. | | | |
| 2-4 | 1.82 | 0.165 | 0.78 | 4.22 |
| 5-12 | 1.34 | 0.539 | 0.53 | 3.39 |
| >12 | 3.32 | 0.006 | 1.41 | 7.83 |
| Condom use last sex intercourse | | | | |
| No | ref. | 0.757 | 0.61 | 2.00 |
| Yes | 1.32 | 0.411 | 0.68 | 2.57 |
| Popper use last sex intercourse | | | | |
| No | ref. | | | |
| Yes | 2.05 | 0.061 | 0.97 | 4.35 |
| Alcohol use last sex intercourse | | | | |
| No | ref. | | | |
| Yes | 0.63 | 0.149 | 0.34 | 1.18 |
| RANDOM EFFECT | | | | |
| Frequency of visiting gay clubs, bars, discos to meet sexual partners (var) | 0.09 | | 0.01 | 1.02 |