

Tab. 1b Adjusted Odds Ratios from a multivariable logistic regression for self-reported current STI (diagnosed positive)

| Current STI  | Odds Ratio  | p-value | 95% CI |       |
|--|-------------|---------|--------|-------|
| <b>Age group</b>   |             |         |        |       |
| 18-20  | ref.        |         |        |       |
| 21-30  | 0.39        | 0.192   | 0.10   | 1.60  |
| 31-40  | 0.89        | 0.866   | 0.24   | 3.37  |
| 41-50  | <b>3.73</b> | 0.052   | 0.99   | 14.05 |
| >50  | 1.18        | 0.862   | 0.18   | 7.78  |
| <b>Number of sexual male partners in the last 12 months</b>                  |             |         |        |       |
| 1  | ref.        |         |        |       |
| 2-4  | 0.59        | 0.399   | 0.18   | 2.00  |
| 5-12   | 2.26        | 0.126   | 0.80   | 6.41  |
| >12  | 1.79        | 0.297   | 0.60   | 5.38  |
| <b>Frequency of visiting gay clubs, bars, discos to meet sexual partners</b> |             |         |        |       |
| Many times   | ref.        |         |        |       |
| Sometimes  | 3.13        | 0.150   | 0.66   | 14.79 |
| Rarely   | <b>4.38</b> | 0.062   | 0.93   | 20.72 |
| Doesn't visit  | <b>6.06</b> | 0.030   | 1.20   | 30.76 |
| <b>Condom use in last sex intercourse</b>                                    |             |         |        |       |
| No   | ref.        |         |        |       |
| Yes  | 1.72        | 0.260   | 0.67   | 4.44  |
| <b>Popper use before or during last sex intercourse</b>                      |             |         |        |       |
| No   | ref.        |         |        |       |
| Yes  | <b>2.45</b> | 0.081   | 0.89   | 6.71  |
| <b>Alcohol use before or during last sex intercourse</b>                     |             |         |        |       |
| No   | ref.        |         |        |       |
| Yes  | 0.98        | 0.955   | 0.44   | 2.15  |

Tab. 2b Adjusted Odds Ratios from a multivariable MIXED EFFECT logistic regression for self-reported current STI (diagnosed positive) with age group as a random effect

| Current STI  | Odds Ratio  | p-value | 95% CI |       |
|--|-------------|---------|--------|-------|
| <b>FIXED EFFECT</b>  |             |         |        |       |
| <b>Number of sexual male partners in the last 12 months</b>                  |             |         |        |       |
| 1  | ref.        |         |        |       |
| 2-4  | 0.59        | 0.391   | 0.18   | 1.97  |
| 5-12   | 2.25        | 0.125   | 0.80   | 6.36  |
| >12  | 1.85        | 0.269   | 0.62   | 5.52  |
| <b>Frequency of visiting gay clubs, bars, discos to meet sexual partners</b> |             |         |        |       |
| Many times   | ref.        |         |        |       |
| Sometimes  | 3.05        | 0.158   | 0.65   | 14.29 |
| Rarely   | <b>4.25</b> | 0.066   | 0.91   | 19.92 |
| Doesn't visit  | <b>6.05</b> | 0.029   | 1.20   | 30.39 |
| <b>Condom use in last sex intercourse</b>                                    |             |         |        |       |
| No   | ref.        |         |        |       |
| Yes  | 1.70        | 0.270   | 0.66   | 4.37  |
| <b>Popper use before or during last sex intercourse</b>                      |             |         |        |       |
| No   | ref.        |         |        |       |
| Yes  | 2.32        | 0.100   | 0.85   | 6.30  |
| <b>Alcohol use before or during last sex intercourse</b>                     |             |         |        |       |
| No   | ref.        |         |        |       |
| Yes  | 0.97        | 0.936   | 0.44   | 2.12  |
| <b>RANDOM EFFECT</b>   |             |         |        |       |
| <b>AGE GROUP (var)</b>   | <b>0.50</b> |         | 0.10   | 2.43  |

Tab. 3b Adjusted Odds Ratios from a multivariable MIXED EFFECT logistic regression for self-reported current STI (diagnosed positive) with number of sexual male partners in the last 12 months as a random effect

| Current STI  | Odds Ratio  | p-value | 95% CI |       |
|--|-------------|---------|--------|-------|
| <b>FIXED EFFECT</b>  |             |         |        |       |
| <b>Age group</b>   |             |         |        |       |
| 18-20  | ref.        |         |        |       |
| 21-30  | 0.39        | 0.185   | 0.10   | 1.57  |
| 31-40  | 0.93        | 0.909   | 0.25   | 3.45  |
| 41-50  | <b>3.83</b> | 0.045   | 1.03   | 14.18 |
| >50  | 1.18        | 0.864   | 0.18   | 7.63  |
| <b>Frequency of visiting gay clubs, bars, discos to meet sexual partners</b> |             |         |        |       |
| Many times   | ref.        |         |        |       |
| Sometimes  | 3.00        | 0.165   | 0.64   | 14.16 |
| Rarely   | <b>3.84</b> | 0.090   | 0.81   | 18.27 |
| Doesn't visit  | <b>4.78</b> | 0.060   | 0.94   | 24.35 |
| <b>Condom use in last sex intercourse</b>                                    |             |         |        |       |
| No   | ref.        |         |        |       |
| Yes  | 1.90        | 0.177   | 0.75   | 4.83  |
| <b>Popper use before or during last sex intercourse</b>                      |             |         |        |       |
| No   | ref.        |         |        |       |
| Yes  | <b>2.62</b> | 0.057   | 0.97   | 7.06  |
| <b>Alcohol use before or during last sex intercourse</b>                     |             |         |        |       |
| No   | ref.        |         |        |       |
| Yes  | 0.97        | 0.946   | 0.44   | 2.13  |
| <b>RANDOM EFFECT</b>   |             |         |        |       |
| <b>Number of sexual male partners in the last 12 months (var)</b>            | <b>0.10</b> |         | 0.00   | 2.90  |