

**ANNEX: Table 4** Regression poisson analysis crude of associated factors with sexualized use in the first use for recreational drugs and for chemsex drugs.

|                                                                 | Sexualized use in the first use for recreational drugs <sup>1</sup> |          | Sexualized use in the first use for chemsex drugs <sup>2</sup> |          |
|-----------------------------------------------------------------|---------------------------------------------------------------------|----------|----------------------------------------------------------------|----------|
|                                                                 | cPR*                                                                | CI 95%** | cPR*                                                           | CI 95%** |
| <b>Recruitment</b>                                              |                                                                     |          |                                                                |          |
| <b>City of testing</b>                                          |                                                                     |          |                                                                |          |
| Madrid                                                          | 1,0                                                                 |          | 1,0                                                            |          |
| Barcelona                                                       | <b>1,5</b>                                                          | 1.1-2.0  | 1,1                                                            | 0.9-1.4  |
| <b>Kind of testing program</b>                                  |                                                                     |          |                                                                |          |
| Community program                                               | 1,0                                                                 |          | 1,0                                                            |          |
| STI diagnostic center                                           | 1,2                                                                 | 0.9-1.6  | <b>1,6</b>                                                     | 1.3-1.9  |
| <b>Sociodemographics</b>                                        |                                                                     |          |                                                                |          |
| <b>Age (years)</b>                                              |                                                                     |          |                                                                |          |
| <25                                                             | 1,0                                                                 |          | 1,0                                                            |          |
| 25-39                                                           | <b>2,1</b>                                                          | 1.2-3.5  | <b>1,5</b>                                                     | 1.1-2.2  |
| ≥40                                                             | 1,6                                                                 | 0.9-2.9  | 1,3                                                            | 0.9-1.8  |
| <b>Country of birth</b>                                         |                                                                     |          |                                                                |          |
| Spain                                                           | 1,0                                                                 |          | 1,0                                                            |          |
| Latin America                                                   | <b>2,0</b>                                                          | 1.4-2.7  | 1,2                                                            | 1.0-1.6  |
| Others                                                          | <b>1,6</b>                                                          | 1.0-2.5  | 1,1                                                            | 0.8-1.5  |
| <b>Size of city of residence (last 12 months)</b>               |                                                                     |          |                                                                |          |
| < 1 million                                                     | 1,0                                                                 |          | 1,0                                                            |          |
| ≥ 1 million                                                     | 0,9                                                                 | 0.7-1.3  | 1,2                                                            | 1.0-1.6  |
| <b>Level of education</b>                                       |                                                                     |          |                                                                |          |
| University                                                      | 1,0                                                                 |          | 1,0                                                            |          |
| Not university                                                  | 1,1                                                                 | 0.8-1.4  | 1,2                                                            | 1.0-1.5  |
| <b>Employment status (last 12 months)***</b>                    |                                                                     |          |                                                                |          |
| Employed                                                        | 1,1                                                                 | 0.5-2.4  | <b>0,6</b>                                                     | 0.4-0.8  |
| Unemployed                                                      | 1,0                                                                 |          | 1,0                                                            |          |
| Others                                                          | 0,6                                                                 | 0.2-1.6  | <b>0,3</b>                                                     | 0.2-0.5  |
| <b>Economic situation (last 12 months)</b>                      |                                                                     |          |                                                                |          |
| Comfortable/ It is OK                                           | 1,0                                                                 |          | 1,0                                                            |          |
| Tight/Difficult/Very difficult                                  | 1,0                                                                 | 0.8-1.4  | 1,0                                                            | 0.8-1.3  |
| <b>Cohabitation (last 12 months)***</b>                         |                                                                     |          |                                                                |          |
| Alone                                                           | 1,0                                                                 |          | 1,0                                                            |          |
| With some people                                                | 1,0                                                                 | 0.7-1.6  | 1,2                                                            | 0.9-1.6  |
| <b>Sexual behavior</b>                                          |                                                                     |          |                                                                |          |
| <b>Gender of sex partners (ever)</b>                            |                                                                     |          |                                                                |          |
| Men & women                                                     | 1,0                                                                 |          | 1,0                                                            |          |
| Only men                                                        | 0,9                                                                 | 0.7-1.2  | <b>0,8</b>                                                     | 0.6-1.0  |
| <b>Age at first sexual intercourse with another men (years)</b> |                                                                     |          |                                                                |          |
| < 16                                                            | <b>1,5</b>                                                          | 1.0-2.1  | <b>1,4</b>                                                     | 1.1-1.8  |
| ≥ 16                                                            | 1,0                                                                 |          | 1,0                                                            |          |
| <b>Lives sex life wiht men...</b>                               |                                                                     |          |                                                                |          |
| Not Openly                                                      | 1,0                                                                 |          | 1,0                                                            |          |
| Openly                                                          | <b>1,6</b>                                                          | 1.2-2.2  | <b>1,8</b>                                                     | 1.4-2.3  |
| <b>Place where the largest number of partnes were found</b>     |                                                                     |          |                                                                |          |
| Discos/bars-saunas-private parties                              | <b>2,0</b>                                                          | 1.5-2.6  | <b>2,1</b>                                                     | 1.7-2.6  |
| Others                                                          | 1,0                                                                 |          | 1,0                                                            |          |
| <b>Risk behavior</b>                                            |                                                                     |          |                                                                |          |
| <b>Number of men who had penetrated you (ever)</b>              |                                                                     |          |                                                                |          |
| None-One                                                        | 1,0                                                                 |          | 1,0                                                            |          |
| 2-20                                                            | <b>5,5</b>                                                          | 1.7-17.5 | <b>4,1</b>                                                     | 1.8-9.4  |
| >20                                                             | <b>8,7</b>                                                          | 2.7-27.2 | <b>9,7</b>                                                     | 4.3-21.8 |
| <b>Ever been paid for sex</b>                                   |                                                                     |          |                                                                |          |
| No                                                              | 1,0                                                                 |          | 1,0                                                            |          |
| Yes                                                             | <b>2,0</b>                                                          | 1.5-2.7  | <b>2,1</b>                                                     | 1.7-2.7  |
| <b>Ever paid for sex</b>                                        |                                                                     |          |                                                                |          |
| No                                                              | 1,0                                                                 |          | 1,0                                                            |          |
| Yes                                                             | <b>1,4</b>                                                          | 1.0-2.0  | 1,2                                                            | 0.9-1.6  |
| <b>Ever injected drugs</b>                                      |                                                                     |          |                                                                |          |
| No                                                              | 1,0                                                                 |          | 1,0                                                            |          |
| Yes                                                             | <b>3,1</b>                                                          | 1.8-5.5  | <b>6,9</b>                                                     | 5.1-9.2  |
| <b>Ever injected steroids</b>                                   |                                                                     |          |                                                                |          |
| No                                                              | 1,0                                                                 |          | 1,0                                                            |          |
| Yes                                                             | <b>2,5</b>                                                          | 1.6-3.8  | <b>2,8</b>                                                     | 2.1-3.7  |
| <b>History of HIV and other STI testing</b>                     |                                                                     |          |                                                                |          |
| <b>Time since last HIV test</b>                                 |                                                                     |          |                                                                |          |
| Never tested before                                             | 1,0                                                                 |          | 1,0                                                            |          |
| < 6 months                                                      | <b>3,5</b>                                                          | 1.3-9.6  | <b>3,9</b>                                                     | 1.6-8.4  |
| > 6 months                                                      | 2,3                                                                 | 0.8-6.3  | <b>2,5</b>                                                     | 1.2-5.3  |
| <b>HIV diagnosis in the recruitmen consultation</b>             |                                                                     |          |                                                                |          |
| No                                                              | 1,0                                                                 |          | 1,0                                                            |          |
| Yes                                                             | 0,6                                                                 | 0.1-2.3  | 1,5                                                            | 0.8-2.8  |
| <b>Ever diagnosed with an STI</b>                               |                                                                     |          |                                                                |          |
| No                                                              | 1,0                                                                 |          | 1,0                                                            |          |
| Yes                                                             | <b>2,0</b>                                                          | 1.42.7   | <b>2,8</b>                                                     | 2.2-3.6  |

<sup>1</sup> Amphetamine, cocaine or ecstasy

<sup>2</sup> Ketamine, GHB/GBL, methamphetamine or mephedrone

\* Crude Prevalence Ratio

\*\* 95% Confidence Interval

\*\*\* These questions were not included in Barcelona