

**Table I. Main characteristics of the study sample at baseline (ANRS-IPERGAY<sup>1</sup>, n=361)**

| Median [IQR] or n (%)                                                     | Study population (n=361) |
|---------------------------------------------------------------------------|--------------------------|
| <i>Sociodemographic characteristics</i>                                   |                          |
| Age (n=351) <sup>1</sup>                                                  | 37 [30-44]               |
| Educational level (n=355)                                                 |                          |
| <= High school                                                            | 31 (8.7)                 |
| > High school                                                             | 324 (91.3)               |
| Active employment (n=356)                                                 |                          |
| No                                                                        | 60 (16.9)                |
| Yes                                                                       | 26 (83.1)                |
| Housing comfort (n=356)                                                   |                          |
| Not Comfortable                                                           | 26 (7.3)                 |
| Comfortable                                                               | 330 (92.7)               |
| Main partner (n=355)                                                      |                          |
| No                                                                        | 208 (58.6)               |
| Yes                                                                       | 147 (41.4)               |
| Quality of living environment of life (n=356)                             |                          |
| Socioeconomically deprived neighbourhood                                  | 25 (7.0)                 |
| Not socioeconomically deprived neighbourhood                              | 331 (93.0)               |
| Anxiolytics (n=352)                                                       |                          |
| No                                                                        | 259 (73.6)               |
| Yes                                                                       | 93 (26.4)                |
| Antidepressants (n=351)                                                   |                          |
| No                                                                        | 299 (85.2)               |
| Yes                                                                       | 52 (14.8)                |
| Recreational drugs use during the previous 12 months (n=356)              |                          |
| No                                                                        | 199 (55.9)               |
| Yes                                                                       | 157 (44.1)               |
| <i>Sexual behaviours</i>                                                  |                          |
| Median number of sexual intercourses (n=339) (previous 4 weeks)           | 9.5 [5-15]               |
| Median number of sexual partners (n=353) (previous 2 months) <sup>8</sup> | 7 [3-15]                 |
| Knew most recent partner's serology(n=361)                                |                          |
| No                                                                        | 219 (60.7)               |

Yes

142 (39.3)

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1 Data collected at baseline for 332 participants enrolled in both the double-blind and OLE phases, and at baseline of the OLE phase for 29 participants only included in the OLE phase

**Table II. Comparison of main characteristics of participants for each risk perception trajectory (OLE ANRS-IPERGAY<sup>1</sup>, n=361)**

|                                                                    | Low-level risk<br>perception<br>N=225<br>(62.3%) | Medium-level risk<br>perception<br>N=110<br>(30.5%) | High-level<br>risk<br>perception<br>N=26<br>(7.2%) | P-Value |
|--------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|---------|
| Age-(mean[sd])                                                     | 37.9[9.8]                                        | 37.2[9.8]                                           | 38.9[9.2]                                          | 0.67    |
| Educational level <sup>2</sup>                                     |                                                  |                                                     |                                                    |         |
| > high school                                                      | 204(92.3%)                                       | 98(90.7%)                                           | 22(84.6%)                                          | 0.41    |
| ≤ high school                                                      | 17(7.7%)                                         | 10(9.3%)                                            | 4(15.4%)                                           |         |
| Active employment <sup>3</sup>                                     |                                                  |                                                     |                                                    |         |
| No                                                                 | 42(19.0%)                                        | 16(14.7%)                                           | 2(7.7%)                                            |         |
| Yes                                                                | 179(81.0%)                                       | 93(85.3%)                                           | 24(92.3)                                           | 0.26    |
| Housing comfort <sup>3</sup>                                       |                                                  |                                                     |                                                    |         |
| Uncomfortable                                                      | 17(7.7%)                                         | 6(5.5%)                                             | 3(11.5%)                                           |         |
| Comfortable                                                        | 204(92.3%)                                       | 103(94.5%)                                          | 23(88.5%)                                          | 0.53    |
| Main partner <sup>2</sup>                                          |                                                  |                                                     |                                                    |         |
| No                                                                 | 121(54.8%)                                       | 67(62.1%)                                           | 20(76.9%)                                          |         |
| Yes                                                                | 100(45.3%)                                       | 41(37.9%)                                           | 6(23.1%)                                           | 0.06    |
| Quality of living environment                                      |                                                  |                                                     |                                                    |         |
| Not socioeconomically deprived<br>neighbourhood                    | 204(92.3%)                                       | 102(93.6%)                                          | 25(96.2%)                                          | 0.73    |
| Socioeconomically deprived neighbourhood                           | 17(7.7%)                                         | 7(6.4%)                                             | 1(3.8%)                                            |         |
| Anxiolytics <sup>4</sup>                                           |                                                  |                                                     |                                                    |         |
| No                                                                 | 168(77.1%)                                       | 75(69.4%)                                           | 16(61.5%)                                          |         |
| Yes                                                                | 50(22.9%)                                        | 33(30.6%)                                           | 10(38.5%)                                          | 0.12    |
| Antidepressants <sup>5</sup>                                       |                                                  |                                                     |                                                    |         |
| No                                                                 | 188(86.2%)                                       | 90(84.1%)                                           | 21(80.8%)                                          |         |
| Yes                                                                | 30(13.8%)                                        | 17(15.9%)                                           | 5(19.2%)                                           | 0.71    |
| Number of sexual partners in the previous 2<br>months-(means[sd])  | 9.5[10.5]                                        | 15.1[24.5]                                          | 17.2[15.3]                                         | 0.004   |
| Number of sexual intercours in the previous<br>4 weeks-(means[sd]) | 11.6[11.4]                                       | 12.9[16.5]                                          | 12.3[10.1]                                         | 0.70    |
| Most recent sexual intercourse in outdoor<br>location              |                                                  |                                                     |                                                    |         |
| No                                                                 | 183(83.2%)                                       | 88(80.0%)                                           | 18(72.0%)                                          |         |
| Yes                                                                | 37(16.8%)                                        | 22(20.0%)                                           | 7(28.0%)                                           | 0.36    |
| Drugs use during the previous 12 months<br>(n=356) <sup>6</sup>    |                                                  |                                                     |                                                    |         |

|                                                                               |            |           |           |      |
|-------------------------------------------------------------------------------|------------|-----------|-----------|------|
| No                                                                            | 136(61.5%) | 50(45.9%) | 13(50.0%) | 0.02 |
| Yes                                                                           | 85(38.5%)  | 59(54.1)  | 13(50.0%) |      |
| Cannabis use during the most recent sexual intercourse                        |            |           |           |      |
| No                                                                            | 201(89.3%) | 96(87.3%) | 24(92.3%) | 0.72 |
| Yes                                                                           | 24(10.7%)  | 14(12.7%) | 2(7.7%)   |      |
| Alcohol use during the most recent sexual intercourse                         |            |           |           |      |
| No                                                                            | 197(87.6%) | 97(88.2%) | 23(88.5%) | 0.98 |
| Yes                                                                           | 28(12.4%)  | 13(11.8%) | 3(11.5%)  |      |
| Recreational drugs use during the most recent sexual intercourse <sup>7</sup> |            |           |           |      |
| No                                                                            | 149(66.2%) | 58(52.7%) | 16(61.5%) | 0.06 |
| Yes                                                                           | 76(33.8%)  | 52(47.3%) | 10(38.5%) |      |
| Receptive anal position during the most recent sexual intercourse             |            |           |           |      |
| No                                                                            | 103(46.8%) | 51(46.8%) | 10(40.0%) | 0.80 |
| Yes                                                                           | 117(53.2%) | 58(53.2%) | 15(60.0%) |      |

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Pvalue: ANOVA for continue variables and Chi-square test for categorical variables

1 Data collected at baseline for 332 participants enrolled in both the double-blind and OLE phases, and at baseline of the OLE phase for 29 participants only included in the OLE phase

2 Six missing values

3 Five missing values

4 Nine missing values

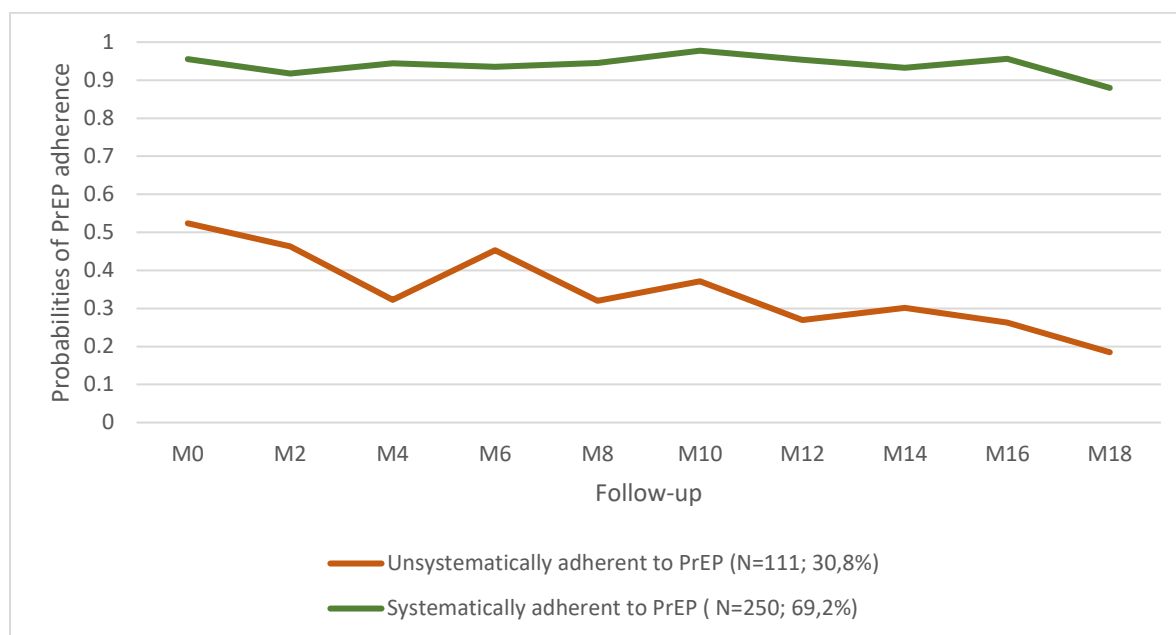
5 Ten missing values

6 Two missing values

7 Ecstasy, cocaine, poppers, GHB/GBL, Ketamine, Viagra

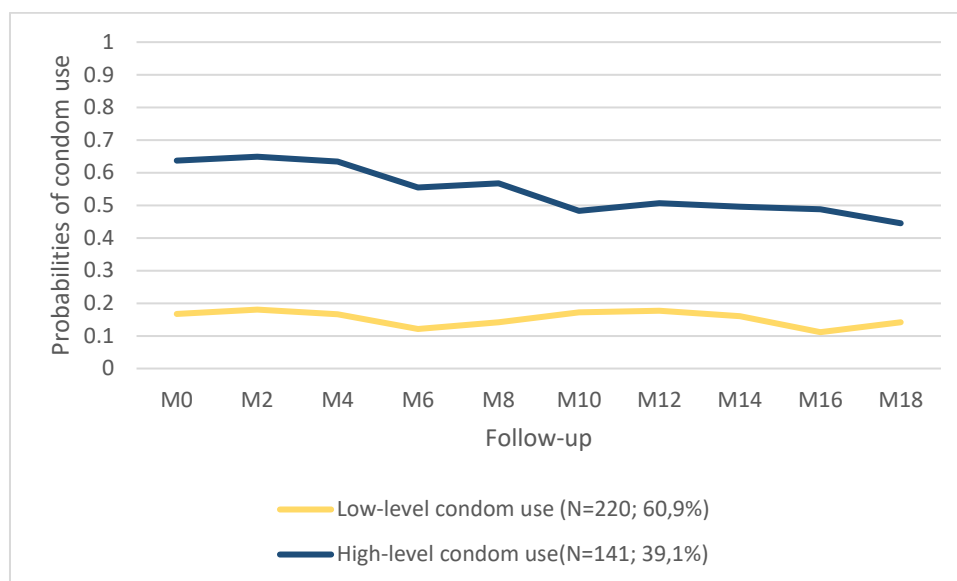
8 Seven missing values

**Figure I. Evolution of probabilities of PrEP adherence trajectories during the OLE phase of the ANRS-IPERGAY trial<sup>1</sup> (n=361)**



<sup>1</sup>The average posterior probability of belonging to the “systematically adherent to PrEP” trajectory was 0.91, and 0.88 for the “unsystematic adherent to PrEP” trajectory.

**Figure II. Evolution of probabilities of condom use trajectories during the OLE phase of the ANRS-IPERGAY trial<sup>1</sup> (n=361)**



<sup>1</sup>The average posterior probability of belonging to the “low-level condom use” trajectory was 0.87, and 0.89 for the “high-level condom use” trajectory

