**SUPPLEMENTARRY MATERIAL**

**Table S1 :** Participants’ baseline sociodemographic and clinical data according to randomisation group.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Deferred ART (N=1028)** | **Early ART (N=1033)** | **p** |
| **Sex** | |  | **0.163** |
| Men | 235 (22.9%) | 210 (20.3%) |  |
| Women | 793 (77.1%) | 823 (79.7%) |  |
| **Age** | 35 [30 – 42] | 35 [30 – 42] | **0.563** |
| **Educational level** | | | **0.385** |
| None | 245 (23.8%) | 276 (26.7%) |  |
| Primary | 301 (29.3%) | 293 (28.4%) |  |
| Secondary | 342 (33.3%) | 341 (33.0%) |  |
| >Secondary | 140 (13.6%) | 123 (11.9%) |  |
| **Religion** | | | **0.620** |
| None | 39 (3.8%) | 35 (3.4%) |  |
| Muslim | 258 (25.1%) | 263 (25.5%) |  |
| Christian | 720 (70.0%) | 729 (70.6%) |  |
| Other | 11 (1.1%) | 6 (0.6%) |  |
| **Nationality** | | | **0.693** |
| Ivorian | 916 (89.1%) | 926 (89.6%) |  |
| Other | 112 (10.9%) | 107 (10.4%) |  |
| **WHO clinical stage** |  |  | **0.866** |
| 1 | 673 (65.5%) | 665 (64.4%) |  |
| 2 | 264 (25.7%) | 272 (26.3%) |  |
| 3 | 91 (8.8%) | 96 (9.3%) |  |
| **CD4 count cell (/mm3)** | 459 [360 - 568] | 466 [373 - 578] | **0.202** |

Counts (%) and Chi2 p-values are presented for categorical measures. Percent are computed as a fraction of non-missing observations. Medians (interquartile ranges) and t-test p-values are presented for quantitative measures.

**Table S2 :** Levels of social indicators 24 months after inclusion according to ART strategy.

|  |  |  |
| --- | --- | --- |
|  | At M24 | |
|  | OR Early/Deferred ART | [CI 95%] |
| Living alone | 1.16 | [0.80 ; 1.70] |
| In union | 1.10 | [0.92 ; 1.32] |
| HIV disclosure inside the household | 1.07 | [0.86 ; 1.32] |
| HIV disclosure outside the household | 1.09 | [0.88 ; 1.35] |
| Lack of regular professional activity | 0.98 | [0.78 ; 1.24] |
| Experience of HIV-related discrimination in the last 12 months | 1.11 | [0.57 ; 2.18] |

Odds Ratio have been estimated using Generalized Estimating Equations (GEE) accounting for ART group, time period, and an interaction term. OR: Odds Ratio; CI: Confidence Interval; M24: 24 months after inclusion.

**Table S3 :** Time trends in social indicators**.**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model with interaction term1 | | | | | | |  | Model without interaction term1 | |
|  | Deferred ART | |  | Early ART | |  | Interaction p |  | Overall | |
|  | ORM24/M0 | [CI 95%] |  | ORM24/M0 | [CI 95%] |  |  | ORM24/M0 | [CI 95%] |
| Living alone | 1.34 | [0.84 ; 2.14] |  | 1.72 | [1.08 ; 2.74] |  | 0.582 |  | 1.52 | [1.09 ; 2.12] |
| In union | 0.81 | [0.70 ; 0.94] |  | 0.89 | [0.77 ; 1.03] |  | 0.534 |  | 0.85 | [0.77 ; 0.94] |
| HIV disclosure inside the household | 1.28 | [1.04 ; 1.57] |  | 1.08 | [0.88 ; 1.32] |  | 0.404 |  | 1.18 | [1.02 ; 1.36] |
| HIV disclosure outside the household | 1.15 | [0.94 ; 1.40] |  | 1.44 | [1.19 ; 1.75] |  | 0.245 |  | 1.29 | [1.13 ; 1.48] |
| Lack of regular professional activity | 0.82 | [0.62 ; 1.07] |  | 0.84 | [0.65 ; 1.10] |  | 0.928 |  | 0.83 | [0.69 ; 1.01] |
| Experience of HIV-related discrimination in the last 12 months | 0.71 | [0.35 ; 1.42] |  | 0.61 | [0.33 ; 1.13] |  | 0.253 |  | 0.65 | [0.41 ; 1.04] |

1 Interaction terms between ART group and time period.

OR: Odds Ratio; CI: Confidence Interval; M0: At inclusion; M24: 24 months after inclusion.

**Table S4:** Social indicators according to ART strategy and time since inclusion (among women, men, and both sex).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Deferred ART | | | |  | Early ART | | | |  | Interaction p1 |
|  | Timing |  | % | ORM24/M0 | 95%CI | p |  | % | ORM24/M0 | 95%CI | p |  |  |
| **Women** | |  |  |  |  |  |  |  |  |  |  |  |  |
| Living alone | |  |  |  |  |  |  |  |  |  |  |  | 0,605 |
|  | M0 |  | 3.1 | - | - | - |  | 3 | - | - | - |  |  |
|  | M24 |  | 4.1 | 1,28 | [0,68 ; 2,40] | 0,447 |  | 5.1 | 1,85 | [1,00 ; 3,44] | 0,051 |  |  |
| In union | |  |  |  |  |  |  |  |  |  |  |  | 0,379 |
|  | M0 |  | 47.1 | - | - | - |  | 47.4 | - | - | - |  |  |
|  | M24 |  | 39.2 | 0,76 | [0,65 ; 0,90] | 0,001 |  | 41.6 | 0,88 | [0,75 ; 1,03] | 0,101 |  |  |
| HIV disclosure inside the household | | | | |  |  |  |  |  |  |  |  | 0,550 |
|  | M0 |  | 60.5 | - | - | - |  | 68.2 | - | - | - |  |  |
|  | M24 |  | 63.5 | 1,17 | [0,93 ; 1,46] | 0,176 |  | 65.5 | 1,02 | [0,82 ; 1,28] | 0,833 |  |  |
| HIV disclosure outside the household | | | | |  |  |  |  |  |  |  |  | 0,169 |
|  | M0 |  | 68 | - | - | - |  | 59.8 | - | - | - |  |  |
|  | M24 |  | 69.3 | 1,16 | [0,92 ; 1,47] | 0,195 |  | 72.5 | 1,58 | [1,27 ; 1,96] | 0,000 |  |  |
| Lack of regular professional activity | | | | |  |  |  |  |  |  |  |  | 0,856 |
|  | M0 |  | 39.0 | - | - | - |  | 35.3 | - | - | - |  |  |
|  | M24 |  | 33.3 | 0,76 | [0,55 ; 1,03] | 0,077 |  | 31.3 | 0,82 | [0,60 ; 1,10] | 0,188 |  |  |
| Experience of HIV-related discrimination in the last 12 months | | | | | | |  |  |  |  |  |  | 0,392 |
|  | M0 |  | 2.8 | - | - | - |  | 4.1 | - | - | - |  |  |
|  | M24 |  | 2.2 | 0,81 | [0,38 ; 1,72] | 0,592 |  | 2.3 | 0,60 | [0,32 ; 1,15] | 0,122 |  |  |

1 Interaction terms between ART group and time period.

Odds Ratio have been estimated using Generalized Estimating Equations (GEE) accounting for ART group, time period, and an interaction term.

OR: Odds Ratio; CI: Confidence Interval; M0: At inclusion; M24: 24 months after inclusion.

**Table S4 (continued):** Social indicators according to ART strategy and time since inclusion (among women, men, and both sex).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Deferred ART | | | |  | Early ART | | | |  | Interaction p1 |
|  | Timing |  | % | ORM24/M0 | 95%CI | p |  | % | ORM24/M0 | 95%CI | p |  |  |
| **Men** | |  |  |  |  |  |  |  |  |  |  |  |  |
| Living alone | |  |  |  |  |  |  |  |  |  |  |  | 0,751 |
|  | M0 |  | 9.1 | - | - | - |  | 9.5 | - | - | - |  |  |
|  | M24 |  | 12.8 | 1,51 | [0,75 ; 3,07] | 0,25 |  | 14.1 | 1,35 | [0,65 ; 2,79] | 0,424 |  |  |
| In union |  |  |  |  |  |  |  |  |  |  |  |  | 0,837 |
|  | M0 |  | 60.6 | - | - | - |  | 71.6 | - | - | - |  |  |
|  | M24 |  | 61.7 | 1,03 | [0,74 ; 1,44] | 0,852 |  | 65.8 | 0,88 | [0,60 ; 1,30] | 0,529 |  |  |
| HIV disclosure inside the household | | | | |  |  |  |  |  |  |  |  | 0,705 |
|  | M0 |  | 60.0 | - | - | - |  | 66.1 | - | - | - |  |  |
|  | M24 |  | 75.0 | 1,94 | [1,19 ; 3,16] | 0,008 |  | 74.8 | 1,04 | [0,66 ; 1,62] | 0,870 |  |  |
| HIV disclosure outside the household | | | | |  |  |  |  |  |  |  |  | 0,576 |
|  | M0 |  | 53.2 | - | - | - |  | 56.4 | - | - | - |  |  |
|  | M24 |  | 59.8 | 1,07 | [0,72 ; 1,59] | 0,732 |  | 59.1 | 1,42 | [0,82 ; 2,44] | 0,207 |  |  |
| Lack of regular professional activity | | | | |  |  |  |  |  |  |  |  | 0,989 |
|  | M0 |  | 25.0 | - | - | - |  | 30.9 | - | - | - |  |  |
|  | M24 |  | 26.7 | 1,02 | [0,58 ; 1,81] | 0,931 |  | 31.5 | 0,96 | [0,54 ; 1,72] | 0,905 |  |  |
| Experience of HIV-related discrimination in the last 12 months2 | | | | | | |  |  |  |  |  |  |  |
|  | M0 |  | 2.0 | - | - | - |  | 1.4 | - | - | - |  |  |
|  | M24 |  | 0.5 | - | - | - |  | 1.1 | - | - | - |  |  |

1 Interaction terms between ART group and time period.

2 GEE were impossible to fit due to insufficient numbers.

Odds Ratio have been estimated using Generalized Estimating Equations (GEE) accounting for ART group, time period, and an interaction term.

OR: Odds Ratio; CI: Confidence Interval; M0: At inclusion; M24: 24 months after inclusion.

**Table S4 (continued):** Social indicators according to ART strategy and time since inclusion (among women, men, and both sex).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Deferred ART | | | |  | Early ART | | | |  | Interaction p1 |
|  | Timing |  | % | ORM24/M0 | 95%CI | p |  | % | ORM24/M0 | 95%CI | p |  |  |
| **Both sex** | |  |  |  |  |  |  |  |  |  |  |  |  |
| Living alone | |  |  |  |  |  |  |  |  |  |  |  | 0,605 |
|  | M0 |  | 4.6 | - | - | - |  | 4.2 | - | - | - |  |  |
|  | M24 |  | 6.1 | 1,85 | [1,00 ; 3,44] | 0,051 |  | 7.1 | 1,28 | [0,68 ; 2,40] | 0,447 |  |  |
| In union |  |  |  |  |  |  |  |  |  |  |  |  | 0,379 |
|  | M0 |  | 49.2 | - | - | - |  | 49.2 | - | - | - |  |  |
|  | M24 |  | 44.1 | 0,88 | [0,75 ; 1,03] | 0,101 |  | 46.4 | 0,76 | [0,65 ; 0,90] | 0,001 |  |  |
| HIV disclosure inside the household | | | | |  |  |  |  |  |  |  |  | 0,55 |
|  | M0 |  | 58.9 | - | - | - |  | 64.5 | - | - | - |  |  |
|  | M24 |  | 64.7 | 1,02 | [0,82 ; 1,28] | 0,833 |  | 66.2 | 1,17 | [0,93 ; 1,46] | 0,176 |  |  |
| HIV disclosure outside the household | | | | |  |  |  |  |  |  |  |  | 0,169 |
|  | M0 |  | 64.6 | - | - | - |  | 61.2 | - | - | - |  |  |
|  | M24 |  | 67.7 | 1,58 | [1,27 ; 1,96] | 0,000 |  | 69.5 | 1,16 | [0,92 ; 1,47] | 0,195 |  |  |
| Lack of regular professional activity | | | | |  |  |  |  |  |  |  |  | 0,856 |
|  | M0 |  | 36.3 | - | - | - |  | 35.2 | - | - | - |  |  |
|  | M24 |  | 31.9 | 0,82 | [0,60 ; 1,10] | 0,188 |  | 31.5 | 0,76 | [0,55 ; 1,03] | 0,077 |  |  |
| Experience of HIV-related discrimination in the last 12 months1 | | | | | | |  |  |  |  |  |  | 0,392 |
|  | M0 |  | 2.6 | - | - | - |  | 3.4 | - | - | - |  |  |
|  | M24 |  | 1.9 | 0,60 | [0,32 ; 1,15] | 0,122 |  | 2.1 | 0,81 | [0,38 ; 1,72] | 0,592 |  |  |

1 Interaction terms between ART group and time period.

Odds Ratio have been estimated using Generalized Estimating Equations (GEE) accounting for ART group, time period, and an interaction term.

OR: Odds Ratio; CI: Confidence Interval; M0: At inclusion; M24: 24 months after inclusion.