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| --- |
| **Table S1. Multiple logistic regression analyses testing associations between self-reported ART adherence and undetectable viral load\*** |
|  |  | Odds ratio | Lower CI | Higher CI | p-value |
| Baseline(n=650) | Self-reported adherence  | 1.457 | 1.024 | 2.075 | 0.037 |
| Follow-up(n=598) | Self-reported adherence  | 1.447 | 1.009 | 2.074 | 0.045 |

*\* Regressions control for age, gender, rural versus urban location, informal housing, mode of infection, orphan status and*

*self-reported health.*

*CI - confidence interval*

|  |
| --- |
| **Table S2: Frequencies and bivariate tests by mode of infection and gender** |
| **Variables**  | **Mode of infection** | ***p -*value** | **Gender** | ***p -*value** |
|  | Vertical (769)(n, %) | Horizontal (203)(n, %) |  | Female (539)(n, %) | Male (440)(n, %) |  |
| Age *Above 15-19**Below 10-14* | 202 (26.3)567 (73.7) | 156 (76.8)47 (23.2) | 0.000 | 232 (43)307 (57) | 130 (29.5)310 (70.5) | 0.000 |
| Gender *Female**Male* | 390 (50.7)379 (49.3) | 144 (70.9)59 (29.1) | 0.000 | -- | -- | -- |
| Location *Rural**Urban* | 194 (25.3)574 (74.7) | 65 (32.2)137 (67.8) | 0.050 | 150 (27.9)388 (72.1) | 111 (25.3)328 (74.7) | 0.383 |
| Socio-economic status *Informal housing* *Formal housing* | 134 (17.4)634 (82.6) | 46 (22.7)157 (77.3) | 0.104 | 108 (20)431 (80) | 75 (17.1)364 (82.9) | 0.249 |
| Mode of transmission*Vertical**Horizontal* | -- | -- | -- | 390 (73)144 (27) | 379 (86.5)59 (13.5) | 0.000 |
| Time on Treatment*More than a year**Less than a year* | 696 (90.5)73 (9.5) | 106 (52.2)97 (47.8) | 0.000 | 422 (52.2)117 (21.7) | 386 (87.7)54 (12.3) | 0.000 |
| Bullied at baseline*Bullied**Not bullied* | 451 (58.6)318 (41.4) | 122 (60.1)81 (39.9) | 0.749 | 323 (59.9)216 (40.1) | 257 (58.4)183 (41.6) | 0.648 |
| Adherence at baseline*Adherent**Non-adherent* | 532 (69.2)237 (30.8) | 111 (54.7)92 (45.3) | 0.000 | 330 (61.2)209 (38.8) | 314 (71.4)126 (28.6) | 0.001 |
| Adherence at follow up*Adherent**Non-adherent* | 517 (67.2)252 (32.8) | 113 (55.7)90 (44.3) | 0.003 | 350 (64.9) 189 (35.1) | 257 (58.4)183 (41.6) | 0.648 |
| Psychological distress at follow up (mean, SD) |  1.5 (2.6) | 2.3 (3.6) | 0.006 | 1.9 (3.0) | 1.4 (2.6) | 0.004 |
| \*\*\* *p*<0.001; \*\* *p*<0.01; \* *p*<0.05 |

**Figure S1:** Results of mediation analysis (PROCESS model 4; n=969)



**Figure S2:** Interaction plot for the bullied x age interaction predicting psychological distress

*Gradient of slope for Younger (10-14): -0,038 Gradient of slope for Older (15-19): 0,843*

*t-value of slope for Younger: -0,129 t-value of slope for Older: 2,191*

*p-value of slope for Younger: 0,898 p-value of slope for Older: 0,029*

**Figure S3:** Interaction plot for the psychological distress x parental monitoring interaction predicting non-adherence