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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 |

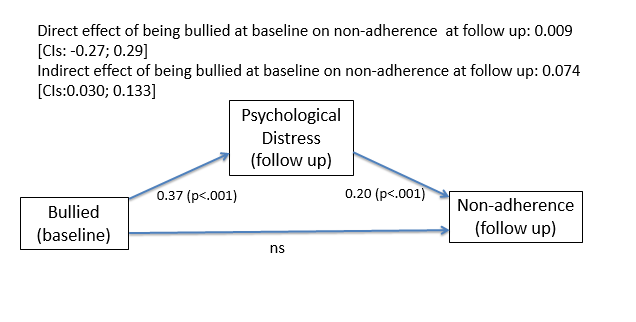
*\* Regressions control for age, gender, rural versus urban location, informal housing, mode of infection, orphan status and*

*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