|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Academic delay (≥ 1 year) or dropout** |  | **Bivariate analysis** |  | **Main multivariable analysis** |  | **Sensitivity analyses** |
|  | **No****N=1046**N (%) / Median (IQR) | **Yes****N=342**N (%) / Median (IQR) |  | **Academic delay** **(≥ 1 year) or dropout** |  | **Academic delay (≥ 1 year) or dropout** |  | **Academic delay (≥ 2 years) or dropout** |  | **Age-grade delay** |
|  |  |  | **ORB (IC95%)** |  | **ORA (IC95%)** | **p-value**† |  | **ORA (IC95%)** | **p-value**† |  | **ORA (IC95%)** | **p-value**† |
| Sex |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Girl |  | 628 (79.6) | 161 (20.4) |  | 1 |  | 1 |  |  | 1 |  |  | 1 |  |
| Boy |  | 418 (69.8) | 181 (30.2) |  | 1.69 [1.32-2.16] |  | 1.76 [1.32-2.35] | <0.001 |  | 1.72 [1.25-2.38] | <0.001 |  | 1.70 [1.26-2.29] | <0.001 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Age (years) |  | 14.6 (3.4) | 15.2 (3.8) |  | 1.19 [1.11-1.26] |  | 1.22 [1.13-1.31] | <0.001 |  | 1.20 [1.11-1.31] | <0.001 |  | 1.22 [1.13-1.32] | <0.001 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Living circumstances |  |  |  |  |  |  |  |  |  |  |  |  |
| With parents or grandparents | 765 (85.9) | 126 (14.1) |  | 1 |  | 1 |  |  | 1 |  |  | 1 |  |
| With other family members  | 172 (74.1) | 60 (25.9) |  | 2.12 [1.49-3.00] |  | 1.49 [1.03-2.15] | 0.03 |  | 1.32 [0.86-2.00] | 0.20 |  | 1.50 [1.02-2.20] | 0.04 |
| Institution |  | 100 (39.5) | 153 (60.5) |  | 9.29 [6.78-12.72] |  | 10.98 [7.72-15.80] | <0.001 |  | 4.68 [3.23-6.80] | <0.001 |  | 12.6 [8.83-18.27] | <0.001 |
|  |  | *9 NA* | *3 NA* |  |  |  |  |  |  |  |  |  |  |  |
| Previous hospitalizations (reported by the adolescents) |
| No |  | 567 (79.9) | 143 (20.1) |  | 1 |  | 1 |  |  | 1 |  |  | 1 |  |
| Yes |  | 479 (70.8) | 198 (29.2) |  | 1.64 [1.28-2.10] |  | 1.46 [1.09-1.97] | 0.01 |  | 1.43 [1.03-2.00] | 0.03 |  | 1.34 [0.99-1.82] | 0.06 |
|  |  |  | *1 NA* |  |  |  |  |  |  |  |  |  |  |  |
| HIV status |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Uninfected |  | 605 (87.8) | 84 (12.2) |  | 1 |  | 1 |  |  | 1 |  |  | 1 |  |
| Born with HIV |  | 441 (63.1) | 258 (36.9) |  | 4.21 [3.20-5.55] |  | 5.15 [3.72-7.23] | <0.001 |  | 5.65 [3.85-8.46] | <0.001 |  | 5.05 [3.60-7.19] | <0.001 |

**Additional file 1. Determinants of school trajectories disruption among all adolescents surveyed: bivariate, multivariable analysis and sensitivity analyses**

$^{†}$: Wald test