**Supplement:**

Table 1. The antibody seroconversion and associated factors among PLWH sub-group

|  |  |  |
| --- | --- | --- |
| Variables | nAbs (AOR and 95% CI) | IgG (AOR and 95% CI) |
| Age | 1.33 (0.45-3.99) | 1.44 (0.55-3.81) |
| Male | - | 0.33 (0.04-2.43) |
| Comorbidities | - | 0.87 (0.11-6.69) |
| CD4 count (cells/μL) | 1.22 (0.27-5.63) | 0.44 (0.15-1.41) |