

## Supplementary Tables

### Sensitivity Analysis Documentation

**Table S1.** Stability of Key Associations in Multicollinearity-Adjusted Models

<b>Excluded Variable(s)</b>	<b>ART Duration: 10-15y</b>	<b>ART Duration: ≥16y</b>	<b>Missed ART Doses</b>
	<b>PR (95% CI); p-value</b>	<b>PR (95% CI); p-value</b>	<b>PR (95% CI); p-value</b>
<b>None (Full Model)</b>	1.36 (1.18-1.58); <0.001	1.36 (1.17-1.57); <0.001	0.88 (0.80-0.97); 0.007
<b>Sex</b>	1.38 (1.19-1.60); <0.001	1.35 (1.17-1.57); <0.001	0.85 (0.78-0.93); <0.001
<b>Education</b>	1.38 (1.19-1.59); <0.001	1.35 (1.16-1.56); <0.001	0.85 (0.78-0.93); <0.001
<b>Alcohol</b>	1.38 (1.19-1.59); <0.001	1.35 (1.16-1.56); <0.001	0.84 (0.77-0.91); <0.001
<b>Sex + Education</b>	1.38 (1.19-1.59); <0.001	1.35 (1.16-1.56); <0.001	0.84 (0.77-0.91); <0.001

**Table S2:** Multicollinearity diagnostics (VIF/tolerance)

<b>Variable</b>	<b>Collinearity Statistics</b>	
	<b>Tolerance</b>	<b>VIF</b>
Sex	0.121	8.247
Age	0.383	2.603
Education	0.149	6.692
Marital status	0.518	1.93
Duration of ART	0.302	3.311
Missed ART doses	0.635	1.574
Unsuppressed	0.69	1.449
Alcohol use	0.194	5.163

Abbreviation: ART, Antiretroviral Therapy, VIF, Variance Inflation Factor