

1 Supplemental Table 4. Association of ART core classes with incident anaemia (haemoglobin<10
2 g/dL) and severe anaemia (haemoglobin<7.5 g/dL) including time-updated adjustment for for
3 regimens including abacavir/3TC.

ART Regimen	Unadjusted	Minimally adjusted ^a	With time-updated abacavir adjustment ^b
Incident anaemia			
NNRTI (REF)	1.00	1.00	1.00
PI	1.26 (1.05-1.52)	1.09 (0.90, 1.32)	1.07 (0.88-1.30)
INSTI	1.39 (1.11-1.75)	1.26 (1.00, 1.58)	1.23 (0.97, 1.56)
Multiple core classes	2.02 (1.65-3.48)	1.39 (1.13, 1.70)	1.36 (1.09, 1.68)
Incident severe anaemia			
NNRTI (REF)	1.00	1.00	1.00
PI	1.37 (1.02-1.83)	1.09 (0.81, 1.47)	1.10 (0.80-1.50)
INSTI	1.96 (1.40-2.75)	1.51 (1.07, 2.11)	1.52 (1.07, 2.15)
Multiple core classes	2.70 (1.99-3.67)	1.30 (0.95, 1.78)	1.31 (0.95, 1.81)

4 ^aMinimally adjusted model includes adjustment for: age, sex, race, site, hepatitis C co-infection,
5 CD4 category, VL, eGFR category and haemoglobin at baseline.

6 ^bModel includes adjustment variables in minimally adjusted model plus a term for time-updated
7 abacavir/3TC backbone regimen use. The other backbone regimens largely consisted of tenofovir
8 /3TC or other complex backbone combinations, NRTI-sparing regimens and salvage therapies.

2

1